

|             |                  |   |           |                                               |             |   |     |
|-------------|------------------|---|-----------|-----------------------------------------------|-------------|---|-----|
| Course Code |                  | : | BHSSA522C | Quantitative Aptitude and Professional Skills | Semester    | : | V   |
| L:T:P       |                  | : | 2:0:0     |                                               | Course Type | : | AEC |
| Hours/Sem.  | Teaching         | : | 28Hrs     |                                               | CIE Marks   | : | 50  |
|             | Learning (TW+SL) | : | 28Hrs     |                                               | SEE Marks   | : | 50  |
|             | Exam             | : | 04Hrs     |                                               | Total Marks | : | 100 |
|             | Total Hrs.       | : | 60Hrs     |                                               | Credit      | : | 00  |

#### Professional Competency:

Demonstrate competency in enhancing vocabulary, improving verbal ability, analyzing problems systematically, and solving quantitative problems using appropriate language and numerical techniques.

#### Course Out comes :At the end of the course student will be able to

CO1: **Enhance** vocabulary and apply techniques to further improve word usage and language proficiency.  
CO2: **Apply** techniques to improve verbal ability in communication and comprehension tasks.  
CO3: **Analyze** problems step-by-step and **develop** appropriate methods for solving them effectively.  
CO4: **Solve** quantitative problems by applying appropriate concepts and techniques to improve numerical ability.

#### UNIT-I

7Hrs.

**VocabularyDevelopment:**VocabularyBuildingTechniques,RootWords,Antonyms&Synonyms, Sentence Completion, Error Detection & Correction, Reading Comprehension

7Hrs.

**Numbers,Proportion&Finance:**NumberSystem,Factors&Multiples,TheGodofMath–Linear Equations, Ratio-Proportion-Variation, Percentages, Profit & Loss, Interest,Averages &Alligations

#### UNIT-III

7Hrs.

**Time&Probability:**Time&Work,TimeSpeed,&Distance,Permutations&Combinations, Probability

#### UNIT-IV

7Hrs.

**Verbal,Analytical,andVisualReasoning:**HumanRelations,DirectionTests,CodingDecoding, Clocks and Calendars, Visual Reasoning,Analytical Puzzles, Mathematical,Arrangement & Classification Puzzles

#### Reference Books:

1. R.S.Aggarwal,“AModernApproach to Verbal and Non–Verbal Reasoning”,SultanChand and Sons, New Delhi, 2018
2. R. S.Aggarwal, “QuantitativeAptitude”, Sultan Chand and Sons, New Delhi, 2018
3. Chopra,“VerbalandNon–VerbalReasoning”,MacMillanIndia
4. MTyra,“MagicalBookonQuickerMaths”,BSCPUBLICATIONS,2018

5. George J Summers, "The Great Book of Puzzles & Teasers", Jaico Publishing House, 1989
6. Shakuntala Devi, "Puzzles to Puzzle You", Orient Paper Backs, New Delhi, 1976
7. R.S. Aggarwal, "A Modern Approach to Logical Reasoning", Sultan Chand and Sons, New Delhi, 2018
8. Cambridge Advanced Learner's Dictionary, Cambridge University Press.  
Kaplan's GRE guide

## Co Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |          |   |   |   |   |   |   |    |    |
|-----------------|--------------------------|---|----------|---|---|---|---|---|---|----|----|
|                 | 1                        | 2 | 3        | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| CO1             |                          | 3 |          |   |   |   |   |   |   | 2  |    |
| CO2             |                          | 3 |          |   |   |   |   |   |   | 2  |    |
| CO3             |                          |   | 3<br>WK2 |   | 2 |   |   |   |   |    |    |
| CO4             |                          |   | 3<br>WK2 |   | 2 |   |   |   |   |    |    |

|                      |                           |                 |                 |                      |            |
|----------------------|---------------------------|-----------------|-----------------|----------------------|------------|
| <b>Course Code</b> : |                           | <b>BHSA560M</b> | <b>Yoga-III</b> | <b>Semester</b> :    | <b>V</b>   |
| <b>L:T:P</b> :       |                           | <b>0:0:2</b>    |                 | <b>Course Type</b> : | <b>MC</b>  |
| <b>Hours/Sem.</b>    | <b>Practical</b> :        | <b>28Hrs</b>    |                 | <b>CIE Marks</b> :   | <b>100</b> |
|                      | <b>Learning (TW+SL)</b> : | <b>0Hrs</b>     |                 | <b>SEE Marks</b> :   | <b>00</b>  |
|                      | <b>Exam</b> :             | <b>02Hrs</b>    |                 | <b>Total Marks</b> : | <b>100</b> |
|                      | <b>Total Hrs.</b> :       | <b>30Hrs</b>    |                 | <b>Credit</b> :      | <b>00</b>  |

#### Professional Competency:

Demonstrate proficiency in practicing and teaching Yoga techniques, including Suryanamaskar, Asanas, Kapalabhati, and Pranayama, to promote physical, mental, and holistic well-being

#### Course Outcomes:

After completion of the course, student will be able to:

- CO1: Understand the meaning, aims, objectives, and importance of Yoga and explain its relevance in daily life.
- CO2: Perform and Teach Suryanamaskar, demonstrating the correct sequence, technique, and explaining its physical and mental benefits.
- CO3: Identify, Demonstrate, and Teach Various Asanas, including their significance, correct methods of practice, precautions, and benefits for overall well-being.
- CO4: Demonstrate and Teach Kapalabhati and Different Types of Pranayama, explaining their purpose, techniques, safety precautions, therapeutic uses, and health benefits.

#### UNIT-I

7Hrs.

Patanjali's Ashtanga Yoga its need and importance.

Ashtanga Yoga 1.Asana 2.Pranayama 3.Pratyahara

Asana its meaning by name, technique, precautionary measures and benefits of each asana

#### UNIT-II

7Hrs.

Sitting Asanas :1.Ardha Ushtrasana 2.Vakrasana 3.Yogamudra in Padmasana

Standing Asanas:1.UrdhvaHastothanasana,2.Hastapadasana,3.ParivrittaTrikonasana,4.Utkatasana

#### UNIT-III

7Hrs.

Prone line:1.Padangushtha Dhanurasana 2.Poorana Bhujangasana/ Rajakapotasana- It's meaning ,Importance, Rules.

Supine line:1.Sarvangasana 2.Chakraasan 3.Navasana/Noukasana 4.Pavanamuktasana- It's meaning ,Importance, Rules.

#### UNIT-IV

7Hrs.

Kapalabhati Revision of practice 60 strokes/min 3 rounds

Meaning by name, technique, precautionary measures and benefits of each Pranayama

1.Ujjayi 2.Sheetal 3.Shektari

#### Reference Books:

1.Ajitkumar.Yogapravesha (in Kannada).2017

2.Iyengar, B. K. SLight on Yoga. London: Unwin Paperbacks. (1966).

3.Gharote, M. L., & Ganguly, S. K. Teaching methods for yogic practices. Lonavla: Kaivalyadhama S.M.Y.M. Samiti. (1988).

4.SVYASA University. Yoga Instructor Course handbook. Bengaluru: Swami Vivekananda Yoga Anusandhana Samsthana. 2018

5.Muthanna, Y. Yoga for children: Step by step. Mumbai: Vakils, Feffer and Simons Ltd.(2012)

**Web Links and Video Lectures:**

<https://youtu.be/KB-TYlgd1wE>  
<https://youtu.be/aa-TG0Wg1Ls>

**Scheme and Assessment for the course**

| Sl.No.       | Activity                                                                                                                 | Marks      |
|--------------|--------------------------------------------------------------------------------------------------------------------------|------------|
| 1.           | Participation of student in all the modules                                                                              | 20         |
| 2.           | Quizzes–2,each of 15marks                                                                                                | 30         |
| 3.           | Final presentation / exhibition / Participation in competitions/<br>practical on specific tasks assigned to the students | 50         |
| <b>Total</b> |                                                                                                                          | <b>100</b> |

**Co Po Mapping**

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |   |           |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|---|-----------|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6 | 7         | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO2             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO3             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO4             |                          |   | - |   |   |   | 2<br>WK 7 |   |   |    |    |

|                    |                         |   |                 |                                    |                    |   |            |
|--------------------|-------------------------|---|-----------------|------------------------------------|--------------------|---|------------|
| <b>Course Code</b> |                         | : | <b>BHSB560M</b> | <b>National Service Scheme-III</b> | <b>Semester</b>    | : | <b>V</b>   |
| <b>L:T:P</b>       |                         | : | <b>0:0 :2</b>   |                                    | <b>Course Type</b> | : | <b>MC</b>  |
| <b>Hours/Sem.</b>  | <b>Teaching</b>         | : | <b>28Hrs</b>    |                                    | <b>CIE Marks</b>   | : | <b>100</b> |
|                    | <b>Learning (TW+SL)</b> | : | <b>0Hrs</b>     |                                    | <b>SEE Marks</b>   | : | <b>00</b>  |
|                    | <b>Exam</b>             | : | <b>2Hrs</b>     |                                    | <b>Total Marks</b> | : | <b>100</b> |
|                    | <b>Total Hrs.</b>       | : | <b>30Hrs</b>    |                                    | <b>Credit</b>      | : | <b>00</b>  |

#### Professional Competency:

Demonstrate social responsibility, environmental awareness, leadership, and problem-solving skills to contribute effectively to sustainable community development and societal well-being

#### Course Outcomes:

- CO1: Recognize and understand individual roles and responsibilities towards society and contribute positively to its welfare and development.
- CO2: Analyze environmental and societal issues and design practical, innovative, and sustainable solutions for community development.
- CO3: Critically assess existing systems and effectively plan and implement government-led or self-initiated projects for social and sustainable development.
- CO4: Develop the ability to respond to emergencies and natural disasters while fostering national integration, social harmony, unity, and community resilience.

#### Topics/Activities to be Covered

- 1. Developing sustainable water management systems for rural areas and approaches for effective implementation.**
- 2. Contributing to national-level initiatives of the Government of India (e.g., Digital India, Skill India, Swachh Bharat, Atmanirbhar Bharat, Make in India, MUDRA Scheme, Skill Development Programs, etc.).**
- 3. Spreading public awareness under rural outreach programs (minimum of 5 programs).**
- 4. Social connect and responsibilities.**

Pedagogy–Guidelines, it may differ depending on local resources available for the study as well as environment and climatic differences, location and time of execution.

| <b>Sl. No</b> | <b>Topic</b>                                                                                  | <b>Group size</b>         | <b>Location</b>                                                                                 | <b>Activity execution</b>                                                   | <b>Reporting</b>                                                               | <b>Evaluation Of the Topic</b>                                      |
|---------------|-----------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
|               | Developing Sustainable Water management system for rural areas and implementation approaches. | May be individual or team | Villages/City Areas/Grama panchayat/public associations/Government Schemes officers/ campus etc | Site selection /proper consultation/Continuous monitoring/Information board | Report should be submitted by individual to the concerned evaluation authority | Evaluation as per the rubrics Of scheme and syllabus by NSS officer |
| 2.            | Contribution to any national level initiative                                                 | May be individual         | Villages/City Areas/Grama                                                                       | Group selection                                                             | Report should be                                                               | Evaluation as per the rubrics Of                                    |

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
|                                                     | of Government of India. For eg. Digital India, Skill India, Swachh Bharat, Atma nirbhar Bharath, Make in India,Mudra scheme, Skill development programs etc.                                                                                                                                                                                                                                                                                                                                                      | or team                   | panchayat/public associations/Government Schemes officers/ campus etc                                | /proper consultation/Continuous monitoring /Information board                                                                                                                                                                                                                             | submitted by individual to the concerned evaluation authority                  | scheme and syllabus by NSS officer                                  |
| 3.                                                  | Spreading public awareness under rural outreach programs.(minimum5programs)./////Social connect and responsibilities.                                                                                                                                                                                                                                                                                                                                                                                             | May be individual or team | Villages/City Areas/Grama panchayat/public associations/Government Schemes officers/ campus etc..... | Group selection /proper consultation/Continuous monitoring /Information board                                                                                                                                                                                                             | Report should be submitted by individual to the concerned evaluation authority | Evaluation as per the rubrics Of scheme and syllabus by NSS officer |
|                                                     | Plan of Action (Execution of Activities For Each Semester                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Sl. No                                              | Practice Session Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 1                                                   | Lecture session by NSS Officer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 2                                                   | Students Presentation on Topics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 3                                                   | Presentation- 1,Selectionoftopic,PHASE-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 4                                                   | Commencement of activity and its progress-PHASE- 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 5                                                   | Execution of Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 6                                                   | Execution of Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 7                                                   | Execution of Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 8                                                   | Execution of Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 9                                                   | Execution of Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 10                                                  | Case study based Assessment, Individual performance                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 11                                                  | Sector wise study and its consolidation                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| 12                                                  | Video based seminar for 10minutes by each student At the end of semester with Report.                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
|                                                     | <ul style="list-style-type: none"><li>• In every semester from 3<sup>rd</sup> semester to 6<sup>th</sup> semester, each student should carry out activities according to the scheme and syllabus.</li><li>• At the end of every semester, student performance has to be evaluated by the NSS Officer for the assigned activity progress and its completion.</li><li>• Finally, in the 6th semester, a consolidated report of all activities from 3rd to 6th semester, compiled as per the instructions,</li></ul> |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Assessment Details for CIE                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Weightage                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CIE– 100%                 |                                                                                                      | <ul style="list-style-type: none"><li>• Implementation strategies of the project (NSS work).</li><li>• The final report should be signed by the NSS Officer, the HoD, and the Principal.</li><li>• At last, the report should be evaluated by the NSS Officer of the institute.</li></ul> |                                                                                |                                                                     |
| Presentation -1                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15Marks                   |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Selection of topic,PHASE-1                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15Marks                   |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Commencement of activity and its progress – PHASE-2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15Marks                   |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |
| Case study–based assessment                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15Marks                   |                                                                                                      |                                                                                                                                                                                                                                                                                           |                                                                                |                                                                     |

|                                                                                                                                                                                                                                                                                                                                          |                 |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Individual performance                                                                                                                                                                                                                                                                                                                   |                 | • <b>Finally, the consolidated marks sheet should be sent to the University and also made available during the LIC visit.</b> |
| Sector-wise study and its consolidation                                                                                                                                                                                                                                                                                                  | 15Marks         |                                                                                                                               |
| Video-based seminar for 10 minutes by each student at the end of the semester with report.                                                                                                                                                                                                                                               | 40Marks         |                                                                                                                               |
| Total marks for the course in each semester                                                                                                                                                                                                                                                                                              | <b>100Marks</b> |                                                                                                                               |
| <b>“The 100 marks CIE entry will be entered in the CIE marks portal at the end of each semester (3<sup>rd</sup> to 6<sup>th</sup> semester). The report and assessment copies should be maintained semester-wise and made available in the department.”</b>                                                                              |                 |                                                                                                                               |
| "Students should present the progress of the activities as per the schedule in the prescribed practical session in the field. There should be positive progress in the vertical order for the benefit of society in general.                                                                                                             |                 |                                                                                                                               |
| <b>Reference Books</b>                                                                                                                                                                                                                                                                                                                   |                 |                                                                                                                               |
| 1.NSS Cell, VTU Belagavi. (n.d.). <i>NSS course manual</i> (Edition unknown). Published by NSS Cell, VTU Belagavi.<br>2. Government of Karnataka, NSS Cell. (n.d.). <i>Activity reports and manual</i> . Government of Karnataka.<br>3. Government of India, NSS Cell. (n.d.). <i>Activity reports and manual</i> . Government of India. |                 |                                                                                                                               |
| <b>Reference Books</b>                                                                                                                                                                                                                                                                                                                   |                 |                                                                                                                               |
| 1.NSS Cell, VTU Belagavi. (n.d.). <i>NSS course manual</i> (Edition unknown). Published by NSS Cell, VTU Belagavi.<br>2. Government of Karnataka, NSS Cell. (n.d.). <i>Activity reports and manual</i> . Government of Karnataka.<br>3. Government of India, NSS Cell. (n.d.). <i>Activity reports and manual</i> . Government of India. |                 |                                                                                                                               |

#### Co Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |           |   |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|-----------|---|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6         | 7 | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |
| CO2             |                          |   |   |   |   | 3<br>WK 5 |   | 2 | 2 | 1  |    |
| CO3             |                          |   |   |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |
| CO4             |                          |   | - |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |

|             |                  |   |          |                                   |             |   |     |
|-------------|------------------|---|----------|-----------------------------------|-------------|---|-----|
| Course Code |                  | : | BHSC560M | Physical Education and Sports-III | Semester    | : | V   |
| L:T:P       |                  | : | 0:0 :2   |                                   | Course Type | : | MC  |
| Hours/Sem.  | Teaching         | : | 28Hrs    |                                   | CIE Marks   | : | 100 |
|             | Learning (TW+SL) | : | 0Hrs     |                                   | SEE Marks   | : | 00  |
|             | Exam             | : | 2Hrs     |                                   | Total Marks | : | 100 |
|             | Total Hrs.       | : | 30Hrs    |                                   | Credit      | : | 00  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Demonstrate competence in physical education, health, fitness, sports, and athletic activities to promote holistic development and achieve excellence in competitive and professional sports.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>After completion of the course, student will be able to:</b><br>CO1: Understand the fundamental concepts and skills of Physical Education, Health, Food, Nutrition and general fitness<br>CO2: Familiarization of health-related Exercises, Sports for overall growth and development<br>CO3: Create a foundation for the professionals in Physical Education and Sports<br>CO4: Participate in the competition at regional/state / national / international levels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <b>UNIT-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| 7 Hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Fitness<br>Food & Nutrition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| <b>UNIT-II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 7 Hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Agility–Shuttle Run<br>Flexibility–Sit and Reach<br>Cardiovascular Endurance–Harvard step Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>UNIT -III</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| 7 Hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Badminton (Fore hand low/high service, back hand service, smash, drop)<br>Basketball (Dribbling, passing, shooting etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>UNIT -IV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 7 Hrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Athletics (Field events–Throws)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 1. <b>Bandopadhyay, K.</b> <i>Sarir Siksha Parichay</i> . Kolkata: Classic Publishers. (2024)<br>2. <b>Dharma, P. N.</b> <i>Fundamentals of Track and Field</i> . New Delhi: Khel Sahitya Kendra. (2010)<br>3. <b>Dubey, H. C.</b> <i>Basketball</i> . New Delhi: Discovery Publishing House. (2002)<br>4. <b>Jain, N.</b> <i>Play and Learn Basketball</i> . New Delhi: Khel Sahitya Kendra. (2004)<br>5. <b>Jain, R..</b> <i>Play and Learn Cricket</i> . New Delhi: Khel Sahitya Kendra. (2005)<br>6. <b>Petitpas, A. Champagne, D., &amp; Chartrand, J..</b> <i>Athlete's Guide to Career Planning</i> . Champaign, IL: Human Kinetics. (1997)<br>7. <b>Jain, Rachana..</b> <i>Teach Yourself Basketball</i> . New Delhi: Sports Publication. (2003)<br>8. <b>Saha, A. K.</b> <i>Sarir Siksher Ritiniti</i> . Kalyani: Rana Publishing House. (n.d.).<br>9. <b>Thani, V.</b> <i>Coaching Cricket</i> . New Delhi: Khel Sahitya Kendra. (2006). |  |





|                      |                           |                 |                  |                      |            |
|----------------------|---------------------------|-----------------|------------------|----------------------|------------|
| <b>Course Code</b> : |                           | <b>BHSD560M</b> | <b>Music-III</b> | <b>Semester</b> :    | <b>V</b>   |
| <b>L:T:P</b> :       |                           | <b>0:0:2</b>    |                  | <b>Course Type</b> : | <b>MC</b>  |
| <b>Hours/Sem.</b>    | <b>Practical</b> :        | <b>28Hrs</b>    |                  | <b>CIE Marks</b> :   | <b>100</b> |
|                      | <b>Learning (TW+SL)</b> : | <b>0Hrs</b>     |                  | <b>SEE Marks</b> :   | <b>00</b>  |
|                      | <b>Exam</b> :             | <b>02Hrs</b>    |                  | <b>Total Marks</b> : | <b>100</b> |
|                      | <b>Total Hrs.</b> :       | <b>30Hrs</b>    |                  | <b>Credit</b> :      | <b>00</b>  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Demonstrate competency in classifying, analyzing, and understanding the construction, functioning, and acoustic properties of Indian musical instruments across string, wind, percussion, and idiophone categories.                                                                                                                                                                                                                                                                                                                                                                          |               |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
| CO1: Classify Indian musical instruments into string, wind, percussion, and idiophone (Ghana Vaadya) categories based on their sound production methods.<br>CO2: Explain the basic construction and working principles of different types of musical instruments used in Indian music.<br>CO3: Identify and differentiate the structural and functional features of string, wind, percussion, and idiophone instruments through examples.<br>CO4: Demonstrate an understanding of the acoustic and musical properties of various instrument Families and their role in performance practice. |               |
| <b>Content</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>28Hrs.</b> |
| Music Instruments: Classification and construction of string instruments, wind instruments, percussion instruments, Idiophones (Ghana Vaadya), Examples of each class of Instruments                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| <b>Textbooks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| 1. Vidushi Vasantha Madhavi, “ Theory of Music”, Prism Publication, 2007.<br>2. T Sachidevi and T Sharadha (Thirumalai Sisters), Karnataka Sangeetha Dharpana- Vol. 1 (English), Shreenivaas Prakaashana, 2018.                                                                                                                                                                                                                                                                                                                                                                              |               |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
| 1. Lakshminarayana Subramaniam, Viji Subramanaim, “Classical Music of India: A Practical Guige”, Tranqueber 2018.<br>2. R.Rangaramanuja Ayyangar, “History of South Indian (Carnatic) Music”, Vipanci Charitable Trust; Third edition, 2019.<br>3. Ethel Rosenthal, “ The Story of Indian Music and Its Istruments: A Study of the Present and a Record of the Past”, Pilgrims Publishing, 2007.<br>4. Carnatic Music, National Institute of Open Schooling, 2019.<br>178" EC Proceedings dated 17.07.2024 2/2                                                                               |               |

### Scheme and Assessment for the course

| Sl.No.       | Activity                                                                                                              | Marks      |
|--------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| 1.           | Participation of student in all the modules                                                                           | 20         |
| 2.           | Quizzes–2,eachof15marks                                                                                               | 30         |
| 3.           | Final presentation / exhibition / Participation in competitions/ practical on specific tasks assigned to the students | 50         |
| <b>Total</b> |                                                                                                                       | <b>100</b> |

### Co-Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |   |   |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|---|---|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO2             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO3             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO4             |                          |   | - |   |   | 2 |   |   |   |    |    |

|             |                  |   |          |                         |             |   |     |
|-------------|------------------|---|----------|-------------------------|-------------|---|-----|
| Course Code |                  | : | BHSA600C | Indian Knowledge System | Semester    | : | VI  |
| L:T:P       |                  | : | 01:0:0   |                         | Course Type | : | AEC |
| Hours/Sem.  | Teaching         | : | 14Hrs    |                         | CIE Marks   | : | 50  |
|             | Learning (TW+SL) | : | 13Hrs    |                         | SEE Marks   | : | 50  |
|             | Exam             | : | 03Hrs    |                         | Total Marks | : | 100 |
|             | Total Hrs.       | : | 30Hrs    |                         | Credit      | : | 01  |

|                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                      |               |
| Apply the principles of the Indian Knowledge System to appreciate, preserve, and utilize traditional knowledge for addressing contemporary societal and professional challenges.                                                                                                                                                                                                                                     |               |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                              |               |
| <b>After completion of the course, student will be able to:</b><br>CO1: Provide an overview of the concept of the Indian Knowledge System and its importance<br>CO2: Appreciate the need and importance of protecting traditional knowledge.<br>CO3: Recognize the relevance of Traditional knowledge in different domains.<br>CO4: Establish the significance of Indian Knowledge systems in the contemporary world |               |
| <b>UNIT-I</b>                                                                                                                                                                                                                                                                                                                                                                                                        | <b>3 Hrs.</b> |
| <b>Indian Knowledge Systems (IKS)</b><br>Overview, Vedic Corpus, Philosophy in Indian Knowledge system.                                                                                                                                                                                                                                                                                                              |               |
| <b>UNIT-II</b>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4 Hrs.</b> |
| <b>Traditional Knowledge in Mathematics</b><br>Introduction to Indian Mathematics, Unique aspects of Indian Mathematics, Indian Mathematicians and their contribution. Number Systems and Units of Measurement.                                                                                                                                                                                                      |               |
| <b>UNIT-III</b>                                                                                                                                                                                                                                                                                                                                                                                                      | <b>4Hrs.</b>  |
| <b>Traditional Knowledge in Science</b><br>Measurements for time, distance and weight, Astronomy, Indian contributions in astronomy, Astrology, The celestial coordinate system, Elements of the Indian calendar, Notion of years and month, Panchanga – The Indian calendar system                                                                                                                                  |               |
| <b>UNIT-IV</b>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4 Hrs.</b> |
| <b>Traditional Knowledge in Professional domain</b><br>Town Planning and Architecture, Agriculture, Governance and Public Administration                                                                                                                                                                                                                                                                             |               |
| <b>Text Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                   |               |
| 1. Mahadevan. B. Bhat Vinayak Rajat, Nagendra Pavana R.N. “Introduction to Indian Knowledge System: Concepts and Applications”, PHI Learning Private Ltd. Delhi (2022). Pride of India: A Glimpse into India’s Scientific Heritage, Samskrita Bharati, New Delhi                                                                                                                                                     |               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |
| <ol style="list-style-type: none"> <li>1. Sampad and Vijay “The Wonder that is Sanskrit”, Sri Aurobindo Society, Puducherry. (2011).</li> <li>2. Acarya. P.K. Indian Architecture, MunshiramManoharlal Publishers, New Delhi. (1996).</li> <li>3. Kapoor Kapil, Singh Avadhesh “Indian Knowledge Systems Vol – I &amp; II”, Indian Institute of Advanced Study, Shimla, H.P. (2021).</li> <li>4. Dasgupta, S. A History of Indian Philosophy- Volume 1, Motilal Banarsidass, New Delhi. (1975).</li> <li>5. PLofer. K. (1963). Mathematics in India, Princeton University Press, New Jersey, USA"</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |
| <b>Web Links and Video Lectures:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |
| <ol style="list-style-type: none"> <li>1. <a href="https://www.youtube.com/watch?v=LZP1StpYEPM">https://www.youtube.com/watch?v=LZP1StpYEPM</a></li> <li>2. <a href="http://nptel.ac.in/courses/121106003/">http://nptel.ac.in/courses/121106003/</a></li> <li>3. <a href="http://www.iitkgp.ac.in/department/KS;jsessionid=C5042785F727F6EB46CBF432D7683B63">http://www.iitkgp.ac.in/department/KS;jsessionid=C5042785F727F6EB46CBF432D7683B63</a><br/>(Centre of Excellence for Indian Knowledge System, IIT Kharagpur)</li> <li>4. <a href="https://www.wipo.int/pressroom/en/briefs/tk_ip.html">https://www.wipo.int/pressroom/en/briefs/tk_ip.html</a></li> <li>5. <a href="https://unctad.org/system/files/official-document/ditcted10_en.pdf">https://unctad.org/system/files/official-document/ditcted10_en.pdf</a></li> <li>6. <a href="http://nbaindia.org/uploaded/docs/traditionalknowledge_190707.pdf">http://nbaindia.org/uploaded/docs/traditionalknowledge_190707.pdf</a><br/>development goals/?gclid=EAIaIQobChMInpJtb_p8gIVTeN3Ch2</li> <li>7. <a href="https://unfoundation.org/what-we-do/issues/sustainable">https://unfoundation.org/what-we-do/issues/sustainable</a><br/>developmentgoals/?gclid=EAIaIQobChMInp-</li> </ol> |  |  |  |  |  |  |  |  |  |  |  |

| Course Outcomes | Programme Outcomes(POs) |           |           |       |   |       |       |       |        |        |        |
|-----------------|-------------------------|-----------|-----------|-------|---|-------|-------|-------|--------|--------|--------|
|                 | 2 WK1                   | 2 WK2 & 7 | -         | 1 WK4 | - | 2 WK7 | 1     | 3     | -      | 2 WK10 | 2 WK11 |
| CO1             | 1 WK1                   | 2 WK2 & 7 | -         | -     | - | 3 WK7 | 2 WK8 | 3 WK9 | -      | 1 WK10 | 2 WK11 |
| CO2             | 2 WK1                   | 2 WK2 & 7 | 1 WK3 & 8 | -     | 1 | 3 WK7 | 3 WK8 | 3 WK9 | -      | 2 WK10 | 2 WK11 |
| CO3             | 2 WK1                   | 2 WK2 & 7 | 2 WK3 & 8 | -     | 1 | 3 WK7 | 2 WK8 | 3 WK9 | 1 WK10 | 2 WK10 | 3 WK11 |
| CO4             | 2 WK1                   | 2 WK2 & 7 | -         | 1 WK4 | - | 2 WK7 | 1     | 3     | -      | 2 WK10 | 2 WK11 |

|                      |                           |                 |                |                      |            |
|----------------------|---------------------------|-----------------|----------------|----------------------|------------|
| <b>Course Code</b> : |                           | <b>BHSA660M</b> | <b>Yoga-IV</b> | <b>Semester</b> :    | <b>VI</b>  |
| <b>L:T:P</b> :       |                           | <b>0:0:2</b>    |                | <b>Course Type</b> : | <b>MC</b>  |
| <b>Hours/Sem.</b>    | <b>Practical</b> :        | <b>28Hrs</b>    |                | <b>CIE Marks</b> :   | <b>100</b> |
|                      | <b>Learning (TW+SL)</b> : | <b>0Hrs</b>     |                | <b>SEE Marks</b> :   | <b>00</b>  |
|                      | <b>Exam</b> :             | <b>02Hrs</b>    |                | <b>Total Marks</b> : | <b>100</b> |
|                      | <b>Total Hrs.</b> :       | <b>30Hrs</b>    |                | <b>Credit</b> :      | <b>00</b>  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |
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| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |
| Demonstrate proficiency in practicing and teaching Yoga techniques, including Suryanamaskar, Asanas, Kapalabhati, and Pranayama, to promote physical, mental, and holistic well-being                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| <b>After completion of the course, student will be able to:</b><br>CO1: Understand the meaning, aims, objectives, and importance of Yoga and explain its relevance in daily life.<br>CO2: Perform and Teach Suryanamaskar, demonstrating the correct sequence, technique, and explaining its physical and mental benefits.<br>CO3: Identify, Demonstrate, and Teach Various Asanas, including their significance, correct methods of practice, precautions, and benefits for overall well-being.<br>CO4: Demonstrate and Teach Kapalabhati and Different Types of Pranayama, explaining their purpose, techniques, safety precautions, therapeutic uses, and health benefits. |              |
| <b>UNIT-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>7Hrs.</b> |
| Ashtanga Yoga 1. Dharana 2. Dhyana (Meditation) 3. Samadhi<br>Asana by name, technique, precautionary measures and benefits of each asana<br><b>Different types of Asanas</b><br>Sitting Asanas :1.Bakasana 2.Hanumanasana 3.Ekapada Rajakapotasana 4.Yogamudra in Vajrasana- Meaning ,Importance Rules.<br>Standing Asanas :1.Vatayanasana 2.Garudasana- It's meaning ,Importance, Rules.                                                                                                                                                                                                                                                                                    |              |
| <b>UNIT-II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>7Hrs.</b> |
| Balancing:1.Veerabhadrasana 2. Sheershasana It's meaning ,Importance, Rules. -<br>Supine line:1.Setubandha 2.Sarvangasana 3. Shavasanaa (Relaxation poisture).- It's meaning ,Importance, Rules.<br>Revision of Kapalabhati practice 80 strokes/min - 3 rounds                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| <b>UNIT-III</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>7Hrs.</b> |
| Different types. Meaning by name, Technique, Precautionary measures and Benefits of eachPranayama 1. Bhastrika 2. Bhramari- Meaning ,Importance Rules.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |

| UNIT-IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7Hrs. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Meaning, Need, importance of Shatkriya. Different types. Meaning by name, technique, precautionary measures and benefits of each Kriya<br>1. Jalaneti & sutraneti<br>2. Nouli (only formen)<br>3. Sheetkarma Kapalabhati                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |
| . 1.S.K.Kuppasta, 'Samagra yoga darshaini.'Publication :Vivekananda yoga vijnana Kendra ,Bagalkot.2021<br>2.Ajitkumar, A., " <i>Yogapravesha in Kannada</i> ", Karnataka Yoga Publications, 1st Edition, 2012.<br>3.Iyengar, B. K. S., " <i>Light on Yoga</i> ", George Allen & Unwin Ltd., Revised Edition, 1966.<br>4.Gharote, M. L. and Ganguly, S. K., " <i>Teaching Methods for Yogic Practices</i> ", Kaivalyadhama S.M.Y.M. Samiti, 1st Edition, 1980.<br>5.SVYASA University, " <i>Yoga Instructor Course Handbook</i> ", SVYASA University, Edition, 2018.<br>6.Muthanna, Y., " <i>Yoga for Children – Step by Step</i> ", Prasara Publications, 1st Edition, 2015. |       |
| <b>Web Links and Video Lectures:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |
| <a href="https://youtu.be/KB-TYlgd1wE">https://youtu.be/KB-TYlgd1wE</a><br><a href="https://youtu.be/aa-TGOWg1Ls">https://youtu.be/aa-TGOWg1Ls</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |

| Scheme and Assessment for the course |                                                                                                                       |            |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| Sl.No.                               | Activity                                                                                                              | Marks      |
| 1.                                   | Participation of student in all the modules                                                                           | 20         |
| 2.                                   | Quizzes–2,each of 15marks                                                                                             | 30         |
| 3.                                   | Final presentation / exhibition / Participation in competitions/ practical on specific tasks assigned to the students | 50         |
| <b>Total</b>                         |                                                                                                                       | <b>100</b> |

## Co- Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |   |           |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|---|-----------|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6 | 7         | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO2             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO3             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |
| CO4             |                          |   |   |   |   |   | 2<br>WK 7 |   |   |    |    |

|                    |                         |          |                 |                                   |                    |          |            |
|--------------------|-------------------------|----------|-----------------|-----------------------------------|--------------------|----------|------------|
| <b>Course Code</b> |                         | <b>:</b> | <b>BHSB660M</b> | <b>National Service Scheme-IV</b> | <b>Semester</b>    | <b>:</b> | <b>VI</b>  |
| <b>L:T:P</b>       |                         | <b>:</b> | <b>0:0 :2</b>   |                                   | <b>Course Type</b> | <b>:</b> | <b>MC</b>  |
| <b>Hours/Sem.</b>  | <b>Teaching</b>         | <b>:</b> | <b>28Hrs</b>    |                                   | <b>CIE Marks</b>   | <b>:</b> | <b>100</b> |
|                    | <b>Learning (TW+SL)</b> | <b>:</b> | <b>0Hrs</b>     |                                   | <b>SEE Marks</b>   | <b>:</b> | <b>00</b>  |
|                    | <b>Exam</b>             | <b>:</b> | <b>2Hrs</b>     |                                   | <b>Total Marks</b> | <b>:</b> | <b>100</b> |
|                    | <b>Total Hrs.</b>       | <b>:</b> | <b>30Hrs</b>    |                                   | <b>Credit</b>      | <b>:</b> | <b>00</b>  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| Demonstrate social responsibility, environmental awareness, leadership, and problem-solving skills to contribute effectively to sustainable community development and societal well-being                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| CO1: Recognize and understand individual roles and responsibilities towards society and contribute positively to its welfare and development.<br>CO2: Analyze environmental and societal issues and design practical, innovative, and sustainable solutions for community development.<br>CO3: Critically assess existing systems and effectively plan and implement government-led or self-initiated projects for social and sustainable development.<br>CO4: Develop the ability to respond to emergencies and natural disasters while fostering national integration, social harmony, unity, and community resilience.                                                                                                                                                                                                                                                                                                     |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| <b>National Service Scheme (NSS)–Contents</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| 1.Organic Farming and Indian Agriculture (Past, Present, and Future): Connectivity for Marketing<br>2.Waste Management – Role of Public, Private, and Government Organizations; The 5Rs<br>3.Establishing an Information-Imparting Club for Women: Contributions to Social and Economic Issues<br>4.Water Conservation Techniques – Role of Different Stakeholders and Implementation<br>5.Preparing an Actionable Business Proposal for Enhancing Village Income and Its Implementation Approach<br>6.Helping Local Schools Achieve Better Results and Improve Enrollment in Higher/Technical Education<br>7.Developing a Sustainable Water Management System for Rural Areas – Implementation Approaches<br>8.Contribution to Any National-Level Initiative of the Government of India (e.g., Digital India, Skill India, Swachh Bharat, Atmanirbhar Bharat, Make in India, MUDRA Scheme, Skill Development Programs, etc.) |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| <b>Topics/Activities to be Covered</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| 1.Plantation and adoption of plants. Know your plants.<br>2.Organize Nation all integration and social harmony events/workshops/seminars. (Minimum 02 programs).<br>3.Govt.school Rejuvenation and helping them to achieve good infrastructure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                      |                                    |                                                                                                     |                                                                              |                                                           |                                                                     |
| <b>Sl.No</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Topic</b>                                         | <b>Groupsize</b>                   | <b>Location</b>                                                                                     | <b>Activity execution</b>                                                    | <b>Reporting</b>                                          | <b>Evaluation of the Topic</b>                                      |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Plantation and adoption of plants. Know your plants. | May be individual or team activity | Villages/City Areas/Grama panchayat/public associations/Government Schemes officers/campus etc..... | Place selection/proper consultation/Continuous monitoring /Information board | Report should be submitted by individual to the concerned | Evaluation as per the rubrics Of scheme and syllabus by NSS officer |



|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                                                                                                         |                                                                              | evaluation authority                                                               |                                                                     |
| 2.           | Organize National integration and social harmony events /workshops /seminars.(Minimum 02 programs).                                                                                                                                                                                                                                                                                                                                                                                                                                   | May be individual or team | Villages/City Areas/Grama panchayat/public associations/Government Schemes of officers/ campus etc..... | Place selection/proper consultation/Continuous monitoring /Information board | Report should be submitted by the individual to the concerned evaluation authority | Evaluation as per the rubrics Of scheme and syllabus by NSS officer |
| 3.           | Govt. school Rejuvenation and helping them to achieve good infrastructure.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | May be individual or team | Villages/City Areas/Grama panchayat/public associations/Government Schemes officers/ campus etc.....    | Place selection/proper consultation/Continuous monitoring /Information board | Report should be submitted by individual to the concerned evaluation authority     | Evaluation as per the rubrics Of scheme and syllabus by NSS officer |
|              | <b>Plan of Action (Execution of Activities For Each Semester)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>Sl.NO</b> | <b>Practice Session Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>1</b>     | <b>Lecture session by NSS Officer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>2</b>     | <b>Students Presentation on Topics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>3</b>     | <b>Presentation- 1,Selection of topic,PHASE-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>4</b>     | <b>Commencement of activity and its progress-PHASE- 2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>5</b>     | <b>Execution of Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>6</b>     | <b>Execution of Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>7</b>     | <b>Execution of Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>8</b>     | <b>Execution of Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>9</b>     | <b>Execution of Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>10</b>    | <b>Case study based Assessment, Individual performance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>11</b>    | <b>Sector wise study and its consolidation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
| <b>12</b>    | <b>Video based seminar for 10 minutes by each student At the end of semester with Report.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |
|              | <ul style="list-style-type: none"> <li>In every semester from 3<sup>rd</sup> semester to 6<sup>th</sup> semester, each student should carry out activities according to the scheme and syllabus.</li> <li>At the end of every semester, student performance has to be evaluated by the NSS Officer for the assigned activity progress and its completion.</li> <li>Finally, in the 6th semester, a consolidated report of all activities from 3<sup>rd</sup> to 6<sup>th</sup> semester, compiled as per the instructions.</li> </ul> |                           |                                                                                                         |                                                                              |                                                                                    |                                                                     |

| Assessment Details for CIE                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weightage                                                                                                                                                                                                                                                                                                            | CIE– 100% | <ul style="list-style-type: none"><li>● Implementation strategies of the project (NSS work).</li><li>● The final report should be signed by the NSS Officer, the HoD, and the Principal.</li><li>● At last, the report should be evaluated by the NSS Officer of the institute.</li><li>● Finally, the consolidated marks sheet should be sent to the University and also made available during the LIC visit.</li></ul> |
| Presentation -1<br>Selection of topic,PHASE-1                                                                                                                                                                                                                                                                        | 15Marks   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Commencement of activity and its progress – PHASE-2                                                                                                                                                                                                                                                                  | 15Marks   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Case study–based assessment<br>Individual performance                                                                                                                                                                                                                                                                | 15Marks   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sector-wise study and its consolidation                                                                                                                                                                                                                                                                              | 15Marks   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Video-based seminar for 10 minutes by each student at the end of the semester with report.                                                                                                                                                                                                                           | 40Marks   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Total marks for the course in each semester                                                                                                                                                                                                                                                                          | 100Marks  |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| “The 100 marks CIE entry will be entered in the CIE marks portal at the end of each semester (3 <sup>rd</sup> to 6 <sup>th</sup> semester). The report and assessment copies should be maintained semester-wise and made available in the department.”                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| "Students should present the progress of the activities as per the schedule in the prescribed practical session in the field. There should be positive progress in the vertical order for the benefit of society in general.                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reference Books:                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1. NSS Cell, VTU Belagavi.. <i>NSS course manual</i> (Edition unknown). Published by NSS Cell, VTU Belagavi.<br>2. Government of Karnataka, NSS Cell.). <i>Activity reports and manual</i> . Government of Karnataka.<br>3. Government of India, NSS Cell. <i>Activity reports and manual</i> . Government of India. |           |                                                                                                                                                                                                                                                                                                                                                                                                                          |

### Co- Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |           |   |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|-----------|---|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6         | 7 | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |
| CO2             |                          |   |   |   |   | 3<br>WK 5 |   | 2 | 2 | 1  |    |
| CO3             |                          |   |   |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |
| CO4             |                          |   | - |   |   | 1<br>WK 5 |   | 2 | 2 | 1  |    |

|                    |                         |          |                 |                                         |                    |          |            |
|--------------------|-------------------------|----------|-----------------|-----------------------------------------|--------------------|----------|------------|
| <b>Course Code</b> |                         | <b>:</b> | <b>BHSC660M</b> | <b>Physical Education and Sports-IV</b> | <b>Semester</b>    | <b>:</b> | <b>VI</b>  |
| <b>L:T:P</b>       |                         | <b>:</b> | <b>0:0:2</b>    |                                         | <b>Course Type</b> | <b>:</b> | <b>MC</b>  |
| <b>Hours/Sem.</b>  | <b>Teaching</b>         | <b>:</b> | <b>28Hrs</b>    |                                         | <b>CIE Marks</b>   | <b>:</b> | <b>100</b> |
|                    | <b>Learning (TW+SL)</b> | <b>:</b> | <b>0Hrs</b>     |                                         | <b>SEE Marks</b>   | <b>:</b> | <b>00</b>  |
|                    | <b>Exam</b>             | <b>:</b> | <b>2Hrs</b>     |                                         | <b>Total Marks</b> | <b>:</b> | <b>100</b> |
|                    | <b>Total Hrs.</b>       | <b>:</b> | <b>30Hrs</b>    |                                         | <b>Credit</b>      | <b>:</b> | <b>00</b>  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| Demonstrate competence in physical education, health, fitness, sports, and athletic activities to promote holistic development and achieve excellence in competitive and professional sports.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| CO1: Understand the Postural deformities and Stress management in sports and athletics<br>CO2: Participate in the competition at regional/state / national / international levels.<br>CO3: Understand and practice of specific games and athletic Jumping events.<br>CO4: Understand and practice of Aerobics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| <b>UNIT-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>7 Hrs.</b> |
| Postural deformities.<br>Stress management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
| <b>UNIT -II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>7 Hrs.</b> |
| Throw ball<br>Table Tennis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
| <b>UNIT -III</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>7 Hrs.</b> |
| Athletics (Field Events-Jumps)–Any event as per availability of Ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| <b>UNIT -IV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>7 Hrs.</b> |
| Arobics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| <ol style="list-style-type: none"> <li>1. <b>Bandopadhyay, K.</b> <i>Sarir Siksha Parichay</i>. Kolkata: Classic Publishers. (2024)</li> <li>2. <b>Dharma, P. N.</b> <i>Fundamentals of Track and Field</i>. New Delhi: Khel Sahitya Kendra. (2010)</li> <li>3. <b>Dubey, H. C.</b> <i>Basketball</i>. New Delhi: Discovery Publishing House. (2002)</li> <li>4. <b>Jain, N.</b> <i>Play and Learn Basketball</i>. New Delhi: Khel Sahitya Kendra. (2004)</li> <li>5. <b>Jain, R..</b> <i>Play and Learn Cricket</i>. New Delhi: Khel Sahitya Kendra. (2005)</li> <li>6. <b>Petitpas, A. Champagne, D., &amp; Chartrand, J..</b> <i>Athlete's Guide to Career Planning</i>. Champaign, IL: Human Kinetics. (1997)</li> <li>7. <b>Jain, Rachana..</b> <i>Teach Yourself Basketball</i>. New Delhi: Sports Publication. (2003)</li> <li>8. <b>Saha, A. K.</b> <i>Sarir Siksher Ritiniti</i>. Kalyani: Rana Publishing House. (n.d.).</li> <li>9. <b>Thani, V.</b> <i>Coaching Cricket</i>. New Delhi: Khel Sahitya Kendra. (2006).</li> </ol> |               |

| Scheme and Assessment for the course |                                                                                                                       |            |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| Sl.No.                               | Activity                                                                                                              | Marks      |
| 1.                                   | Participation of student in all the modules                                                                           | 20         |
| 2.                                   | Quizzes–2,each of 15 marks                                                                                            | 30         |
| 3.                                   | Final presentation / exhibition / Participation in competitions/ practical on specific tasks assigned to the students | 50         |
|                                      | <b>Total</b>                                                                                                          | <b>100</b> |

### Co- Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |   |   |          |   |    |    |
|-----------------|--------------------------|---|---|---|---|---|---|----------|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8        | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   |   |   | 2<br>WK8 |   |    |    |
| CO2             |                          |   |   |   |   |   |   | 2<br>WK8 |   |    |    |
| CO3             |                          |   |   |   |   |   |   | 2<br>WK8 |   |    |    |
| CO4             |                          |   | - |   |   |   |   | 2<br>WK8 |   |    |    |

|                    |                         |   |                |                 |                    |   |            |
|--------------------|-------------------------|---|----------------|-----------------|--------------------|---|------------|
| <b>Course Code</b> |                         | : | <b>BHS660M</b> | <b>Music-IV</b> | <b>Semester</b>    | : | <b>VI</b>  |
| <b>L:T:P</b>       |                         | : | <b>0:0:2</b>   |                 | <b>Course Type</b> | : | <b>MC</b>  |
| <b>Hours/Sem.</b>  | <b>Practical</b>        | : | <b>28Hrs</b>   |                 | <b>CIE Marks</b>   | : | <b>100</b> |
|                    | <b>Learning (TW+SL)</b> | : | <b>0Hrs</b>    |                 | <b>SEE Marks</b>   | : | <b>00</b>  |
|                    | <b>Exam</b>             | : | <b>02Hrs</b>   |                 | <b>Total Marks</b> | : | <b>100</b> |
|                    | <b>Total Hrs.</b>       | : | <b>30Hrs</b>   |                 | <b>Credit</b>      | : | <b>00</b>  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Professional Competency:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| Demonstrate competency in performing basic Carnatic swara exercises, applying notation skills, and rendering Geethe, Jathi Swara, and Krithi with correct pitch, rhythm, and adherence to raga and tala structures.                                                                                                                                                                                                                                                                          |               |
| <b>Course Outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
| CO1: Perform basic swara exercises (Sarale Varase) accurately in Mayamalavagowla Raga with proper pitch and rhythm.<br>CO2: Apply notation writing skills for Sarale Varase and Suladi Saptha Tala to accurately represent rhythmic and melodic structures.<br>CO3: Sing prescribed Geethe in Malahari Raga with correct swara alignment and tala adherence.<br>CO4: Perform Jathi Swara and one Krithi in a Mela raga with proper expression, laya, and adherence to composition structure. |               |
| <b>Content</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>28Hrs.</b> |
| Abhyasa Gana: Singing the swara exercises (Sarale Varase Only), Botation writing for Sarale Varase and Suladi Saptha Tala ( Only in Mayamalavagowla Raga), Singing 4 Geethe in M allahari, and one jathi Swara, One Krithi in a Mela raga                                                                                                                                                                                                                                                    |               |
| <b>Textbooks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| 1. Vidushi Vasantha Madhavi, “ Theory of Music”, Prism Publication, 2007.<br>2. T Sachidevi and T Sharadha (Thirumalai Sisters), Karnataka Sangeetha Dharpana- Vol. 1 (English), Shreenivaas Prakaashana, 2018.                                                                                                                                                                                                                                                                              |               |
| <b>Reference Books:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
| 1. Lakshminarayana Subramaniam, Viji Subramanaim, “Classical Music of India: A Practical Guige”, Tranqueber 2018.<br>2. R.Rangaramanuja Ayyangar, “History of South Indian (Carnatic) Music”, Vipanci Charitable Trust; Third edition, 2019.<br>3. Ethel Rosenthal, “ The Story of Indian Music and Its Istruments: A Study of the Present and a Record of the Past”, Pilgrims Publishing, 2007.<br>4. Carnatic Music, National Institute of Open Schooling, 2019.                           |               |

## Scheme and Assessment for the course

| Sl.No.       | Activity                                                                                                              | Marks      |
|--------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| 1.           | Participation of student in all the modules                                                                           | 20         |
| 2.           | Quizzes–2,each of 15 marks                                                                                            | 30         |
| 3.           | Final presentation / exhibition / Participation in competitions/ practical on specific tasks assigned to the students | 50         |
| <b>Total</b> |                                                                                                                       | <b>100</b> |

## Co-Po Mapping

| Course Outcomes | Programme Outcomes (POs) |   |   |   |   |   |   |   |   |    |    |
|-----------------|--------------------------|---|---|---|---|---|---|---|---|----|----|
|                 | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| CO1             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO2             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO3             |                          |   |   |   |   | 2 |   |   |   |    |    |
| CO4             |                          |   | - |   |   | 2 |   |   |   |    |    |