



C P PATEL AND F H SHAH COMMERCE COLLEGE, ANAND
(AUTONOMOUS)

(Managed by Sardar Patel Education Trust, Anand)
(Affiliated to Sardar Patel University, Vallabh Vidyanagar)
NAAC Reaccredited CGPA – 3.30 – Grade A+



Revised Syllabus as per NEP 2020 with effect from the Academic Year 2026-2027

Bachelor of Computer Application (BCA)

Semester – I

Course Code	US11KBCA18	Title of the Course	Indian Knowledge Systems
Total Credits	02 Credits	Hours per Week	02 Hours / Week

Course Learning Outcomes (CLOs)

CLO 1	Understand the concepts of Spiritual Bharat and Indian Knowledge Systems (IKS), including major spiritual paths and their relevance to Indian philosophy and lifestyle.
CLO 2	Understand the contributions of Indian Knowledge Systems in various fields.

Course Content

Unit No.	Description	Weightage (%)
1.	Spiritual Bharat and Introduction to IKS - Bhartiya Concept of Spirituality: Gyaan Marg, Bhakti Marg, Karm Marg and Yog Marg - Bhartiya Spiritual Thinking Leading to Unity - Bhartiya Philosophy of Life Derived from Shashtras and its Implications for Bhartiya Lifestyle - Introduction to IKS and Its Importance - Introduction of Various Indian Knowledge Systems	50%
2.	Contribution of IKS to the World - Bhartiya Contribution in Mathematics and Astronomy - Bhartiya Wisdom related to Life Science: Physics, Chemistry, Botany - Bhartiya Science of Architecture with reference to Lothal, Mohan Jo Daro, Dholavira, Temple Architecture - Ayurveda: Concept, Branches, Books and Pioneers - Bhartiya Literature and Bhartiya Theory of Aesthetics and Rasa	50%

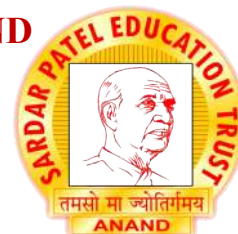
Teaching – Learning Methodology

Lecture-cum-discussion, Group Discussion, Presentations, Seminars, Tutorials, Research Exercises,



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Audio-Visual Aids, Self-Study & Reading

Examination Evaluation Pattern		
Sr. No.	Particulars	Weightage (%)
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)	50%
02	Semester End Evaluation (SEE) (Summative Assessment)	50%
	TOTAL	100%

Specifications for CCE and SEE		
Sr. No.	Details of the Evaluation Pattern	Marks
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)	
	A Assignments	10
	B Multiple Choice Questions	05
	C Attendance	05
	D Written Examination (01 Hour)	30
	(Formative Assessment) (A + B + C + D)	50 Marks
	Note: • For 02 Credit Courses, the Formative Assessment for students must be from 25 Marks. Thus, the total obtained marks from A + B + C + D (50 Marks) will be divided by 02.	25 Marks
02	Semester End Evaluation (SEE) (Summative Assessment)	
	E Written Examination (01 Hour)	25 Marks
	TOTAL	50 Marks

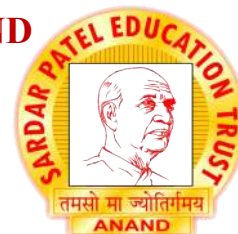
Rubrics – Based Assessment for Assignments (10 Marks)		
Excellent	09 – 10 Marks	Accurate, error-free, logically presented, timely submission
Good	07 – 08 Marks	Minor errors and good conceptual clarity
Average	05 – 06 Marks	Basic understanding or partially correct
Basic	03 – 04 Marks	Limited clarity, noticeable mistakes, incomplete content
Poor	01 – 02 Marks	Inadequate conceptual clarity, incorrect content
Below Poor	Zero Marks / NA	Content is irrelevant / Not Attempted / Not Submitted
Note: • Assignments may be taken in forms of written project, computerized and online suggested courses / certificates as per the decision made by the respective faculties of the courses.		

Rubrics – Based Assessment for Multiple Choice Questions (05 Marks)	
05 Multiple Choice Questions – 01 Mark Each (05 Marks)	



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Excellent	01 Mark	The chosen option is correct, no errors in response
Below Poor	Zero Marks / NA	Chosen option is incorrect, completely irrelevant, multiple options chosen / Not Attempted

Rubrics – Based Assessment for Attendance (05 Marks)

As per the Rules and Regulations provided by the Academic Section of Sardar Patel University, Vallabh Vidyanagar, for the students studying in all departments and colleges.

Reference No.: E – 3 / 3127; dated: 07-03-2024.

<https://www.spuvvn.edu/orbit-cdn/uploads/circulars/Circular-NEP-InternalExamMarks-March-April24.pdf>

Excellent	05 Marks	More than 90% (Minimum 27 Hours for 02 Credits Courses)
Good	04 Marks	80% - 89% (24 to 26 Hours for 02 Credit Courses)
Average	03 Marks	70% - 79% (21 to 23 Hours for 02 Credit Courses)
Poor	Zero / NA	Less than 70% (NOT ELIGIBLE TO APPEAR FOR EXAM)

Note:

- Students with below 70% of attendance must submit their written application to their respective class coordinators with genuine reasons and evidence (in case of working or medical emergencies). Students must **not** pursue dual degree programmes that clash with the college's timings.

Rubrics – Based Assessment for Mid-Semester Examination (30 Marks)

Any One Unit or 50% of The Syllabus - 15 Marks Each Question

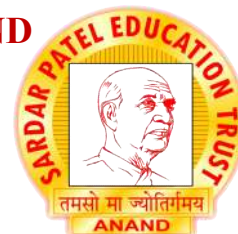
Excellent	13 – 15 Marks	Demonstrates accurate, comprehensive, and in-depth understanding of the concepts related to Spiritual Bharat and Indian Knowledge Systems (IKS). Effectively explains philosophical ideas, spiritual traditions, scientific contributions, cultural heritage, and their contemporary relevance. Shows excellent analytical ability, logical interpretation, critical thinking, and appropriate use of examples. Answers are well-structured, coherent, and insightful.
Good	10 – 12 Marks	Demonstrates good understanding of the topic with clear explanations of key concepts and their significance. Applies relevant knowledge appropriately and supports answers with suitable examples. Minor conceptual gaps may exist, but overall presentation is organized and relevant.
Average	07 – 09 Marks	Shows basic understanding and recall of concepts related to Spiritual Bharat and IKS. Provides limited explanation and analysis with partial use of examples. Answers are moderately organized but lack depth, critical interpretation, or comprehensive coverage.
Basic	04 – 06 Marks	Demonstrates partial understanding of the topic. Explanations are incomplete, superficial, or poorly organized. Limited ability to relate concepts, examples, or implications. Noticeable factual or conceptual errors may be present.



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Poor	01 – 03 Marks	Shows very limited understanding of the topic. Contains major conceptual inaccuracies, inadequate content, weak presentation, and little or no relevant explanation or analysis.
Below Poor	Zero Marks / NA	No attempt or completely irrelevant answer.

Note:

- Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.

Rubrics – Based Evaluation Pattern for End-Semester Examination (25 Marks)

Multiple Choice Questions (05 Marks) – 01 Mark Each from all Units

Excellent	01 Mark	The chosen option is correct, no errors in response
Below Poor	Zero Marks / NA	Chosen option is incorrect, completely irrelevant, multiple options chosen / Not Attempted

Short Question (08 Marks) – 4 Question from all Units

Excellent	02 Marks	Demonstrates accurate understanding of concepts related to questions.
Good	01 Mark	Shows partial understanding of concepts. Minor errors or incomplete answers may be present.
Poor	00 Mark	Incorrect, irrelevant, or no response provided.

UNIT I - 06 Marks Each Question

Excellent	05 – 06 Marks	Demonstrates deep understanding and critical analysis of Bhartiya spirituality, including Gyaan Marg, Bhakti Marg, Karma Marg, Yoga Marg, Bhartiya spiritual unity, and philosophy of life. Explanations are logical, insightful, and supported with relevant examples, scriptural references, and contemporary applications.
Good	04 – 05 Marks	Shows good understanding and analysis of spiritual concepts and their significance in Bhartiya thought. Explanations are clear and relevant with appropriate examples. Minor conceptual gaps may be present.
Average	03 – 04 Marks	Demonstrates basic understanding and recall of spiritual concepts. Limited analytical depth and application. Answers show average presentation with incomplete explanations or examples.
Basic	02 – 03 Marks	Partial understanding of Bhartiya spirituality and philosophy. Explanations are incomplete, lack clarity, and contain limited examples or analysis.
Poor	01 – 02 Marks	Very limited understanding of spiritual concepts with major conceptual errors, insufficient content, and poor presentation.
Below Poor	Zero Marks / NA	No attempt or completely irrelevant answer.

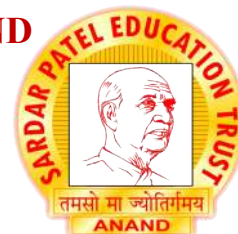
UNIT II - 6 Marks Each Question



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Excellent	05 – 06 Marks	Demonstrates deep understanding and critical analysis of Indian Knowledge Systems (IKS), including its importance, contributions to the world, Bhartiya achievements in mathematics, astronomy, life sciences, architecture, Ayurveda, literature, aesthetics, and Rasa theory. Explanations are logical, precise, and supported with relevant examples and interpretations.
Good	04 – 05 Marks	Shows good understanding and analysis of IKS concepts and Bhartiya contributions. Explanations are clear, relevant, and supported with suitable examples. Minor conceptual gaps may be present.
Average	03 – 04 Marks	Demonstrates basic understanding and recall of IKS concepts and contributions. Limited analytical depth and application. Answers show average presentation with incomplete explanations or examples.
Basic	02 – 03 Marks	Partial understanding with incomplete explanations of IKS concepts, Bhartiya sciences, architecture, Ayurveda, or literature. Answers lack organization and sufficient supporting details.
Poor	01 – 02 Marks	Very limited understanding with major conceptual mistakes regarding IKS and Bhartiya contributions. Answers contain insufficient content and weak presentation.
Below Poor	Zero Marks / NA	No attempt or completely irrelevant answer.

Note:

- Multiple Choice Questions of 5 Marks will be based on various levels of Revised Bloom's Taxonomy.
- Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.

PLO – CLO Mapping

Indian Knowledge System

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
CLO 1	03	02	02	00	02	00
CLO 2	02	03	02	00	01	03

Note:

- High: 03; Moderate: 02; Low: 01; No Mapping: 00s

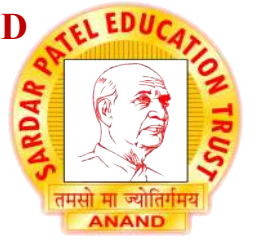
Suggested References and E-Resources for Further Reading

- AICTE: Indian Knowledge Systems (IKS), AICTE Publication, New Delhi.
- S. Radhakrishnan: Indian Philosophy, Oxford University Press.
- A. L. Basham: The Wonder That Was India, Rupa & Co., New Delhi.
- Charaka Samhita: Ayurveda Text, Chaukhamba Publications.
- <https://iksindia.org/>
- <https://www.aicte-india.org/>



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- <https://www.sanskrit.nic.in/>
 - <https://www.indianetzone.com/>
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