

પરિપત્ર:

ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટીની આર્ટસ, કોમર્સ અને સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમ યલાવતી તમામ સંલગ્ન કોલેજોનાં આચાર્યશ્રીઓને સવિનય જણાવવાનું કે આર્ટસ, કોમર્સ અને સાયન્સ વિદ્યાશાખા દેઠળનો NEP-૨૦૨૦ અંતર્ગતનો વેલ્યુ એડેડ કોર્સ કેટેગરીમાં ઇન્ડિયન નોલેજ સીસ્ટમ સેમેસ્ટ૨-૩ નો અભ્યાસક્રમ આ સાથે સામેલ છે. આ બાસ્કેટમાં આર્ટસ, કોમર્સ અને સાયન્સનાં વિષયો આપવામાં આવેલ છે.

માનનીય કુલપતિશ્રીની મંજુરી અનુસાર સદર અભ્યાસક્રમ શૈક્ષણિક વર્ષ જુન,૨૦૨૪ થી અમલવારી કરવાની રહે છે. આર્ટસ, કોમર્સ અને સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમ ચલાવતી તમામ સંલગ્ન કોલેજો ધ્વારા તેની અમલવારી કરવા જણાવવામાં આવે છે.



ખાસ કરજે પરના અધિકારી (એકેડેમિક)

ક્રમાંક/બીકેએનએમચુ/એકેડેમિક/૯૦૫/૨૦૨૪ ભક્તકવિ નરસિંહ મહેતા ચુનિવર્સિટી, સરકારી પોલીટેકનિક કેમ્પસ, ભક્તકવિ નરસિંહ મહેતા ચુનિવર્સિટી રોડ, ખડીયા, જૂનાગઢ-૩૬૨૨૬૩ તા. ૦૬/૦૭/૨૦૨૪

પ્રતિ,

 ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી સંલગ્ન આર્ટસ, કોમર્સ અને સાયન્સ વિદ્યાશાખાનાં અભ્યાસક્રમો ચલાવતી તમામ કોલેજોના આચાર્યશ્રીઓ તરફ....

નકલ સાદર રવાનાઃ-

- માન.કુલપતિશ્રી/કુલસચિવશ્રીનાં અંગત સચિવશ્રી.
- પરીક્ષા નિયામકશ્રી, ભક્તકવિ નરસિંહ મહેતા યુનિવર્સિટી, જુનાગઢ

નકલ રવાના જાણ તથા યોગ્ય કાર્યવાહી અર્થેઃ

• સીસ્ટમ મેનેજરશ્રી, આઇ.ટી.સેલ વિભાગ (વેબસાઇટ ઉપર પ્રસિદ્ધ થવા અર્થે.)

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ભક્તકવિ નરસિંહ મહેતા શુનિવર્સિટી રોડ, ખડીચા,		Bhakta Kavi Narsinh Mehta University Road		
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# BHAKTA KAVI NARSINH MEHTA UNIVERSITY JUNAGADH



# COMMON SYLLABUS OF

# VAC (VALUE ADDED COURSE)

## **INDIAN KNOWLEDGE SYSTEM (IKS) COURSE**

FOR

## **ARTS, COMMERCE & SCIENCE FACULTIES**

## (SEMESTER-III)

**EFFECTIVE FROM JUNE, 2024** 

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Course Level	5.0		Internal Marks	25
Programme	Arts, Commerce & Science		External Marks	25
Semester	3		Practical Internal	-
Course Type	Indian Knowledge System-2		Practical External	-
Course Credit	02		Prac.Ext.Exam Time	-
Teaching Hours	30		Total	50
Course Code			Exam Duration	1 Hour
Course Title	Values in Indian Epics	•		

## **Course Objectives:**

- To spread values found in Indian Epics.
- To expose students with rich cultural knowledge found in epics.
- To create a framework for living.
- To cultivate an awareness regarding knowledge in ancient India.

#### Course Learning Outcomes: After completion of the course:

- Students will be able to understand Indian epics.
- Students will be able to appreciate Indian epics.
- Students will be able to develop behaviour based on values found in Indian epics.
- Students will be able to spread values of Indian epics.

Sem	Unit No.	Syllabi	Teaching Hours
4	1	<ul> <li>Values in Ramayan <ol> <li>Respect for elders</li> <li>Respect for women</li> <li>Dharm</li> <li>Humility</li> <li>Loyalty</li> <li>Devotion</li> </ol> </li> <li>Good triumphs</li> </ul>	15

		Values on Mahabharat	
		1. Resilience	
		2. Karm	
		3. Importance of family	
	2	4. Upholding Truth	15
		5. Unbroken promise	
		6. Dedication	
		Practicality	
	0	nours of the above units also include reading of Excerpts/scen	es from the
above-m	entioned	epics.	

## **Suggested Reading:**

- 1. Ramayana by Valmiki
- 2. Mahabharat by Ved Vyas
- 3. Ramchandra Series by Amish Tripathi
- 4. My Gita by Devdutt Pattanaik

	INTERNAL EVALUATION SCHEME			
NO	Particulars	Marks		
1	Mid Semester Exam (Mandatory)	13		
2	Class Test	03		
3	Open book exam/test	03		
4	Open note exam/test	03		
5	Self-test/ Online test	03		
6	Essay/Article writing	03		
7	Quizzes/Objective test	03		
8	Class assignment	03		
9	Home assignment	03		
10	Reports Writing	03		
11	Research/Dissertation	03		
12	Case Studies	03		
13	Viva/Oral exam	03		
14	Group Discussion	03		

15	Role Play	03
16	Paper presentation/Seminar	03
17	Language Lab work	03
18	Interview	03
19	Craft work	03
20	Co-curricular work	03
21	Field Assignment	03
22	Poster Presentation	03
23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

Ques. No.	Particulars	From which Unit	Marks
1	Students will answer two questions from	1	10
	given four, each carrying 5 marks.		
2	Students will answer two questions from	2	10
	given four, each carrying 5 marks.		
3	Students will answer 5 MCQ/One liner	From each	05
	question from seven asked, each carrying 1	Unit	
	mark.	(3/4 from	
		Unit-1 and	
		3/4 from	
		Unit-2)	
		Total Marks	25

Course Level	5.0	Internal Marks	25
Programme	Arts, Commerce & Science	External Marks	25
Semester	3	Practical Internal	-
Course Type	Indian Knowledge System-2	Practical External	-
Course Credit	02	Prac.Ext.Exam Time	-
<b>Teaching Hours</b>	30	Total	50
Course Code		Exam Duration	1 Hour
Course Title	Indian Mythology: Avatars		

#### **Course Objectives:**

- To expose students to rich cultural knowledge of avatars
- To understand myth and message behind each avatar tale
- To understand concept of avatars in modern light
- To spread awareness on Indian knowledge system

Course Learning Outcomes: After completion of the course:

- Students will be able to understand the concept of avatar in Indian mythology.
- Students will be able to identify myths and message behind them.
- Students will be able to understand impact of myth on public life.
- Students will be able to evaluate Indian myths on avatars and their modern retelling.

Sem	Unit No.	Syllabi	Teaching Hours
3	1	<ul> <li>Matsya avatar</li> <li>Kurma avatar</li> <li>Varah avatar</li> <li>Narsimha avatar</li> <li>Vamana avatar</li> </ul>	15
	2	<ul> <li>Parashuram avatar</li> <li>Rama avatar</li> <li>Krishna avatar</li> <li>Buddha avatar</li> <li>Kalki avatar</li> </ul>	15

## Suggested Reading:

- 1. Mythology of Vishnu and His Incarnations by M. L. Varadpande
- 2. Indian Mythology by Devdutt Pattanaik
- 3. Unusual Tales from Indian Mythology by Sudha Murty
- 4. Indian Mythology: Vedic and Puranic by William Wilkins

0	Particulars	Marks
1	Mid Semester Exam (Mandatory)	13
2	Class Test	03
3	Open book exam/test	03
4	Open note exam/test	03
5	Self-test/ Online test	03
6	Essay/Article writing	03
7	Quizzes/Objective test	03
8	Class assignment	03
9	Home assignment	03
10	Reports Writing	03
11	Research/Dissertation	03
12	Case Studies	03
13	Viva/Oral exam	03
14	Group Discussion	03
15	Role Play	03
16	Paper presentation/Seminar	03
17	Language Lab work	03
18	Interview	03
19	Craft work	03
20	Co-curricular work	03
21	Field Assignment	03
22	Poster Presentation	03
23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

Ques. No.	Particulars	From which Unit	Marks
1	Students will answer <u>two</u> questions from given four, each carrying 5 marks.	1	10
2	Students will answer <u>two</u> questions from given four, each carrying 5 marks.	2	10
3	Students will answer <u>5 MCQ/One liner</u> question from seven asked, each carrying 1 mark.	From each Unit (3/4 from Unit-1 and 3/4 from Unit-2)	05
		Total Marks	25

Course Level	5.0	Internal Marks	25
Programme	Arts, Commerce & Science	External Marks	25
Semester	3	Practical Internal	-
Course Type	Indian Knowledge System-2	Practical External	-
Course Credit	02	Prac.Ext.Exam Time	-
<b>Teaching Hours</b>	30	Total	50
Course Code		Exam Duration	1 Hour
Course Title	Indian Knowledge System-2 (II	KS-2)	

Course Objectives: On successful completion of the course, the students will be able to:

• The objective of the course is to set a stage for understanding the architecture of the Ancient Indian Knowledge Systems and to develop an overall understanding of their role and relevance to the contemporary society.

#### **Teaching Pedagogy:**

• Chalk & Talk, Translation, Direct/Indirect Method, Role-play, Group Discussion, Seminar, Case Study, Presentation, CALL, MALL, TALL

Sem	Unit No.	Syllabi	Teaching Hours
3	1	GOVERNANCE AND PUBLIC ADMINISTRATION, NUMBER SYSTEMS AND UNITS OF MANAGEMENT Introduction to raja dharma, Arthasastra: a historical perspective, Elements of a kautilyan state, The king & the amatya, Janapada & durga, Treasury and the State Economy (Kos\$a), Danda, Mitra, The Administrative Setup, Relevance of Arthasastra, Public Administration in Epics. Number systems in India — Historical evidence, Salient aspects of Indian Mathematics, Bhiita-Samkhya system, Katapayadi system, Measurements for time, distance, and weight. Pingala and the Binary system.	15

2	HEALTH WELLNESS AND PSYCHOLOGY	
	Introduction to health, Ayurveda: approach to health, Sapta- dhatavah: seven-tissues, Role of agni in health, Ayurveda: definition of health, Psychological aspects of health, Disease management elements, Dinacarya: daily regimen for health & wellness, Importance of sleep, Food intake methods and drugs, Approach to lead a healthy life, Indian approach to psychology, The Tri guna system & holistic picture of the individual, The Nature of Consciousness.	15

#### **Suggested Reading:**

- An Introduction to Indian Knowledge Systems: Concepts and Applications, B Mahadevan, V R Bhat, and Nagendra Pavana R N; 2022 (Prentice Hall of India). Indian Knowledge Systems: Vol I and II, Kapil Kapoor and A K Singh; 2005 (D.K. Print World Ltd).
- 2. Kanagasabapathi; "Indian Models of Economy, Business and Management", Third Edition,
- 3. Prentice Hall India Ltd., Delhi.
- 4. Lotus and Stones; Garuda Prakashan (31 October 2020); Garuda Prakashan Pvt. Ltd.
- 5. Dwivedi D.N., Essentials of Business Economics, Vikas Publications, Latest Edition.
- 6. Inida Uninc by Prof. R Vaidyanathan, Westland Itd.Publication . Economic Sutras by Prof. Satish Y. Deodhar, IIMA Books series.
- 7. Black Money Tax Heaven by R Vaidyanathan, Westland Itd. Publication

Note: Learners are advised to use the latest edition of readings.

	INTERNAL EVALUATION SCH	EME
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	13
2	Class Test	03
3	Open book exam/test	03
4	Open note exam/test	03
5	Self-test/ Online test	03
6	Essay/Article writing	03
7	Quizzes/Objective test	03
8	Class assignment	03
9	Home assignment	03
10	Reports Writing	03

11	Research/Dissertation	03
12	Case Studies	03
13	Viva/Oral exam	03
14	Group Discussion	03
15	Role Play	03
16	Paper presentation/Seminar	03
17	Language Lab work	03
18	Interview	03
19	Craft work	03
20	Co-curricular work	03
21	Field Assignment	03
22	Poster Presentation	03
23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

Ques. No.	Particulars	From which Unit	Marks
1	Question 1	1	10
	OR		
	Question 1		
2	Question 2	2	10
	OR		
	Question 2		
3	Question 3	1	05
	OR		
	Question 3	2	

Course Level	5.0	Internal Marks	25
Programme	Arts, Commerce & Science	External Marks	25
Semester	3	Practical Internal	-
Course Type	Indian Knowledge System-2	Practical External	-
Course Credit	02	Prac.Ext.Exam Time	-
<b>Teaching Hours</b>	30	Total	50
Course Code		Exam Duration	1 Hour
<b>Course Title</b>	LEARNING AND DEVELOP	MENT -1	

#### **Course Objectives:**

• The course aims at equipping the learners with the concept and practice of Learning and Development in the modern organizational setting through the pedagogy of case study, counselling, discussions and recent experiences.

Course Outcomes: On successful completion of the course, the students will be able to:

- Analyze the various learning strategies used in real situations;
- Compare individual development in terms of intelligence, creativity and personality;
- Develop the learning needs to create learning environment.

#### **Teaching Pedagogy:**

• Chalk & Talk, Translation, Direct/Indirect Method, Role-play, Group Discussion, Seminar, Case Study, Presentation, CALL, MALL, TALL

Sem	Unit No.	Syllabi	Teaching Hours
3	1	INTRODUCTION, INDIVIDUAL LEARNING AND DEVELOPMENT Learning- concept, characteristics, principles, types, learning theories; Classical conditioning, operant conditioning, cognitive, observational and social learning; Learning strategies and constructivist approach to learning, learning in a digital world. Individual development: Meaning and stages; Role of creativity in learning; process and measures of creativity;	15

	Personality- concept and determinants, approaches of development of personality; Intelligence — concept, measurement of intelligence; emotional intelligence and its relevance in learning and development of an individual.	
2	<b>DEVELOPING LEARNING ENVIRONMENT</b> Overview of learning methodologies- logic and process of learning; Principles of learning, Learning process, learning curve, learning management system; Criteria for method selection; skills of an effective trainer; Computer aided instructions- distance learning, e-learning; technologies convergence and multimedia environment.	15

#### **Suggested Reading:**

- 1. AK. Narayana Rao (2002) Guidance and counselling, APH Publishing Corporation, New Delhi.
- 2. Bernard, H.W. & Fullner, D.W. (1987); Principles of Guidance, A Basic Test (Indian Education), New Delhi: Allied publishers Pvt.Ltd,.
- 3. Carson, B. (2021). L&D's Playbook for the Digital Age. United States: American Society for Training & Development.
- 4. Clifford, J., Thorpe, S. (2007). Workplace Learning and Development: Delivering Competitive Advantage for Your organisation. United Kingdom: Kogan Page.
- 5. Fee, K. (2011). 101 Learning and Development Tools: Essential Techniques for Creating, Delivering and Managing Effective Training. United Kingdom: Kogan Page.
- 6. Hilgard, E. & Bower, G.H. (1966). Theories of Learning. USA: Englewood Cliffs: Prentice Hill.
- 7. Mishra, R.C. (2005); Guidance & Counselling (2 vols); New Delhi: APH, Publishing Cooperation.
- 8. Parry-Slater, M. (2021). The Learning and Development Handbook: A Learning Practitioner's Toolkit. India: Kogan Page.
- 9. Page-Tickell, R. (2018). Learning and Development: A Practical Introduction (Vol. 15). Kogan Page Publishers.

Note: Learners are advised to use the latest edition of readings.

	INTERNAL EVALUATION SCHE	MIE
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	13
2	Class Test	03
3	Open book exam/test	03
4	Open note exam/test	03
5	Self-test/ Online test	03
6	Essay/Article writing	03
7	Quizzes/Objective test	03
8	Class assignment	03
9	Home assignment	03
10	Reports Writing	03
11	Research/Dissertation	03
12	Case Studies	03
13	Viva/Oral exam	03
14	Group Discussion	03
15	Role Play	03
16	Paper presentation/Seminar	03
17	Language Lab work	03
18	Interview	03
19	Craft work	03
20	Co-curricular work	03
21	Field Assignment	03
22	Poster Presentation	03
23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

Ques. No.	Particulars	From which Unit	Marks
1	Question 1	1	10
	OR		
	Question 1		
2	Question 2	2	10
	OR		
	Question 2		
3	Question 3	1	05
	OR		
	Question 3	2	

Course Level	5.0	Internal Marks	25
Programme	Arts, Commerce & Science	External Marks	25
Semester	3	Practical Internal	-
Course Type	Indian Knowledge System-2	Practical External	-
Course Credit	02	Prac.Ext.Exam Time	-
<b>Teaching Hours</b>	30	Total	50
Course Code		Exam Duration	1 Hour
Course Title	INDIGENOUS MEDICINAL	SYSTEM	1

**Course Outcomes:** On completion of the course, the students will be able to:

• To study how indigenous population used nature and natural products as medicine.

#### **Pedagogy:**

Lectures/ Use of Multimedia / Assignments/ Hands-onexperiments/ Demonstrations/ Field visit.

#### **Course Contents**

Sem	Unit No.	Syllabi	Teaching Hours		
	1	1 <b>Medicinal plants</b> in Atharvaveda, religious healing inVeda.			
3		<b>Traditional Treatment System:</b> Treatment of different diseases.	15		
	2	Herbal medicines: History and Scope. Herbal preparations: preparations, formulations and benefits of herbal utilization.	15		

#### **Suggested Reading:**

- 1. Medicinal Plants: Ethnobotanical Approach, Trivedi P C, 2006. Agrobios, India.
- 2. The Yoga of Herbs: An Ayurvedic Guide to Herbal Medicine, Vasant Lad, DavidFrawley.
- 3. Medicine and athava veda: Dr. C. K. Ramachandran, Mathrubhumi books.
- 4. Hand Book of Ayurvedic medicinal plants Herbal (Kapoor).Page Publishers.

## Note:

• Learners are advised to use the latest edition of readings.

	INTERNAL EVALUATION SCHE	MIE
NO	Particulars	Marks
1	Mid Semester Exam (Mandatory)	13
2	Class Test	03
3	Open book exam/test	03
4	Open note exam/test	03
5	Self-test/ Online test	03
6	Essay/Article writing	03
7	Quizzes/Objective test	03
8	Class assignment	03
9	Home assignment	03
10	Reports Writing	03
11	Research/Dissertation	03
12	Case Studies	03
13	Viva/Oral exam	03
14	Group Discussion	03
15	Role Play	03
16	Paper presentation/Seminar	03
17	Language Lab work	03
18	Interview	03
19	Craft work	03
20	Co-curricular work	03
21	Field Assignment	03
22	Poster Presentation	03
23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

Ques. No.	Particulars	From Unit	Marks
Q.1 (A)	Describe in Detail (any one). (1) (2)		06
Q.1 (B)	Write short note (any one). (1) (2)	1	04
Q.2 (A)	Describe in Detail (any one). (1) (2)	2	06
Q.2 (B)	Write short note (any one). (1) (2)	2	04
Q.3	Do as direct (any five from seven). (1) (2) (3) (4) (5) (6) (7)	1 & 2	05

Course Level	5.0	Internal Marks	25
Programme	Arts, Commerce & Science	External Marks	25
Semester	3	Practical Internal	-
Course Type	Indian Knowledge System-2	Practical External	-
Course Credit	02	Prac.Ext.Exam Time	-
Teaching Hours	30	Total	50
Course Code		Exam Duration	1 Hour
Course Title	Bharatya Nari Ratno		

#### **Course Outcomes:**

- To aware students about strong Indian women in different time.
- To set the role models for women empowerment.
- To provide knowledge about contribution of women jewels in different areas at different time.

#### **Course Outcomes:**

• After studying this course student will develop sense of gender equality and recognize the contributions of various female in social, economic, religious and other areas of society.

#### **Teaching Learning Process:**

- Lecture
- Assignment
- Individual and Group
- Presentation
- Practical

Sem	Unit No.	Syllabi	Teaching Hours
2	1	<ul> <li>Women Jewels in Vedkaal , Ramayan and Mahabharat</li> <li>Role of woman in Indian Culture,</li> <li>Detail Discussion on following Women jewels: Mahasati Ansuya, Shakuntala, Sita,</li> <li>Mandodari, Sati Swaha, Vidushi Gargi</li> </ul>	10
3	2	<ul> <li>Women Jewels in Madyakaal and Arvachinkaal</li> <li>Padmini , Sati Pingla, Ahalyabai Holkar, Bhagini Nivedita,</li> <li>Bharat ratna Priyadarshini, Lata Mangeshkar, Kiran Bedi, Mother Teresa, Savitribai Phule</li> </ul>	10

	Woman Jewels in different categories in Contemporary India	
3	<ul> <li>Sports: Maricom, P.T. Usha</li> <li>Space: Sunita Williams, Kalpana Chawla</li> <li>Social Service: Ila Bhatt,</li> <li>Literature: Sudha Murthy, Amruta Pritam</li> </ul>	10

## **Reference Books:**

- 1. "Bharat na Nari Ratno": Part 1,2,3 &4 Shantilal Jani, Pravin Prakashan
- 2. "Vishwaprasidha Mahilao" Rajendra Dave, Pravin Prakashan
- 3. Various e-resources as per teacher and learner convenience.

	INTERNAL EVALUATION SCHEME		
NO	Particulars	Marks	
1	Mid Semester Exam (Mandatory)	13	
2	Class Test	03	
3	Open book exam/test	03	
4	Open note exam/test	03	
5	Self-test/ Online test	03	
6	Essay/Article writing	03	
7	Quizzes/Objective test	03	
8	Class assignment	03	
9	Home assignment	03	
10	Reports Writing	03	
11	Research/Dissertation	03	
12	Case Studies	03	
13	Viva/Oral exam	03	
14	Group Discussion	03	
15	Role Play	03	
16	Paper presentation/Seminar	03	
17	Language Lab work	03	
18	Interview	03	
19	Craft work	03	
20	Co-curricular work	03	
21	Field Assignment	03	
22	Poster Presentation	03	

23	Attendance	03
24	Project Work	03
	Total	25

Note: Sr.No.1 is mandatory. Select <u>any Four</u> from Sr.No.2 to 24. Each Contains three marks. Student should secure 09 Marks for passing in internal Exam.

EXTERNAL ASSESSMENT BY UNIVERSITY Exam Time: 2:00		
Que. No.	Particulars	Marks
	Give the answer in descriptive.	
Que-1	OR	10
	Give the answer in descriptive.	
	Give the answer in descriptive.	
Que-2	OR	10
-	Give the answer in descriptive.	
Que-3	Short notes (Attempt any two)	05
	Total Marks	25