

Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj

Value Added Course (VAC)

(w.e.f. June -2024)

S.Y. B.Sc.

Semester – 3

Paper Name: India's Glorious Scientific Tradition

Course Credit: 2

Course Duration: 30 Hrs.

1	Name of Course	Ancient India's Glorious Scientific Tradition
2	Proposed Faculties	Dr. Kalpesh D. Sorathia, Prof. Mahesh Oza, Dr. Ritesh Tandel
3	Name of Professors who have designed the Course	Dr. Kalpesh D. Sorathia, Prof. Mahesh Oza, Dr. Ritesh Tandel
	Mobile No.	9426737801, 9426737692, 7874097097
	Email ID	kalpeshsorathia@gmail.com
	Affiliation	KSKV Kachchh University
	Total Credits	2 (Total Hours of Teaching: 30)
	Significance of Course	Learner will be able to ... <ul style="list-style-type: none">• Learn about the process of ancient Indian traditions• Understand the contribution of Indian minds in various fields of Science• Link ancient wisdom in the Science• Learn about the leading Indian inventors and thinkers in various Scientific disciplines• Develop a positive attitude towards Indian traditions and practices• Increase subject-awareness and self-esteem• Develop a comprehensive understanding of how all knowledge is Ultimately intertwined
	Expected Outcome	<ul style="list-style-type: none">• Learn about the process of ancient Indian traditions• Understand the contribution of Indian minds in various fields• Link ancient wisdom and work in the Science
	Evaluation Method	Internal Assessment (25 Marks) A Internal Test (Online\ Offline) 15 Marks B Assignment\ Surprise or Organised Test\Quiz\ Presentation\ Task\ Project work\ Seminar\ Assignment 10 Marks External Assessment (25 Marks) Test (Objective\ Subjective) (Online\ Offline)



	Examination Pattern	Internal 50% Weightage External 50% Weightage Mode : Online\ Offline Pattern : As described in above Section (Examination Method)
	Syllabus	
		Uni:1 1.1 Introduction: India: Past & Present, Western & Indian concepts of Science 1.2 Marine Science 1.3 Measurement of Time 1.4 Astronomy 1.5 Architecture
		Unit:2 2.1 Chemistry 2.2 Botany 2.3 Agriculture 2.4 Hygiene & Health

Reference Book

India's Glorious Scientific Traditions by Suresh Soni, Ocean Books Pvt. Ltd. New Delhi.

ભારતમાં વિજ્ઞાનની ઉજ્જવળ પરંપરા લેખક : સુરેશ સોની, રૂપાંતરક: અનીલ રાવલ સાહિત્ય સાધના ટ્રસ્ટ, અમદાવાદ.


Prof. Mahesh H. Oza


Dr. Ritesh J. Tandel


Dr. Kalpesh D. Sorathia

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Dr. Hitesh Asudani


Dr. Dolly Pandya


Dr. Ritesh Tandel

Dean Science




Dr. Subhash Bhandari

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Value Added Course (VAC)

S.Y. B.Sc.

Semester – 4

Paper Name: Great Personalities of India

Course Credit: 2

Course Duration: 30 Hrs.

1	Name of Course	Great Personalities of India
2	Proposed Faculties	Dr. Kalpesh D. Sorathia, Prof. Mahesh Oza, Dr. Ritesh Tandel, Prof. Arun Bhide
3	Name of Professors who have designed the Course	Dr. Kalpesh D. Sorathia, Prof. Mahesh Oza, Dr. Ritesh Tandel, Prof. Arun Bhide
	Mobile No.	9426737801, 9426737692, 7874097097, 9427411270
	Email ID	kalpeshsorathia@gmail.com
	Affiliation	KSKV Kachchh Uni.
	Total Credits	2 (Total Hours of Teaching: 30)
	Significance of Course	Learner will be able to ... <ul style="list-style-type: none">• Learn about the process of ancient Indian personalities of different fields• Understand the contribution of Indian personalities in various fields• Develop a positive attitude towards Indian culture and practices• Increase subject-awareness and self-esteem• Develop a comprehensive understanding of their work in the field and sacrifice they did.
	Expected Outcome	<ul style="list-style-type: none">• Learn about the process of ancient Indian heroes• Understand the contribution of great unsung Indian heroes in various fields• Link ancient heroes and importance of their work in the current context
	Evaluation Method	Internal Assessment (25 Marks) A Internal Test (Online\ Offline) 15 Marks B Assignment\ Surprise or Organised Test\Quiz\ Presentation\ Task\ Project work\ Seminar\ Assignment 10 Marks External Assessment (25 Marks) Test (Objective\ Subjective) (Online\ Offline)



	Examination Pattern	Internal 50% Weightage External 50% Weightage Mode : Online\ Offline Pattern : As described in above Section (Examination Method)
	Syllabus	
		Uni:1 Introduction of religious\ literature personalities 1.1 Swami Dayanand Saraswati 1.2 Guru Ravidas 1.3 Kavi (Poet) Akho 1.4 Bhagini Nivedita
		Unit:2 Introduction of Freedom fighter\ Social Reformer, Educationalist personalities 2.1 Shyamji Krishna Verma 2.2 Sardarsinh Rana 2.3 Tilaka Manzi 2.4 Dr. Radha Krishnan

Reference Book

Booklets of Bal bharti Trust, Ahmedabad & Other available resources



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