

Reg. No.:



Name:

University of Kerala

U8774

Second Semester FYUGP Degree Examination, April 2025

Discipline Specific Core Course

HISTORY

UK2DSCHIS102 - History of Science and Technology in Ancient India

Academic Level: 100-199

Time: 2 Hours(120 Mins)

Max. Marks: 56

Part A.6 Marks:Time 5 Minutes.(Cognitive Level :Remember(RE)/Understand(UN)) Objective Type.1 mark each, Answer all questions

Qn No.	Question	CL	CO
1	The tools used in Mesolithic period are-----	RE	1
2	Recognize an Indian astronomer who contributed to the Heliocentric Theory.	RE	3
3	Name the earliest known agrarian settlement located in Pakistan dating back to 7000 BC which marks the beginning of Agriculture.	UN	1
4	Cite the only Harappan City which had a 'Middle town'.	UN	2
5	The concept of plant germination and growth is discussed in which ancient Indian text?	UN	3
6	Identify the languages used for Ashokan Pillar Edicts.	UN	2

Part B.10 Marks.Time:20 Minutes (Cognitive Level:Understand(UN)/Apply(AP))Two-three sentences.2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Distinguish between Chaithyas and Viharas	UN	2
8	Prepare a note on Palaeolithic Tools.	UN	1
9	Diffrentiate Stupas and Chaithyas	AP	2
10	Explain the contribution of Nilakanta Somayaji.	AP	3
11	Prepare a short note on the architectural features of Mahajanapadas	AP	2

Part C.16 Marks.Time:35 Minutes.(Cognitive Level :Apply(AP)/Analyse(AN))Short Answer.4 marks each, Answer all 4 questions,choosing among options * within each question

Qn No.	Question	CL	CO
12	A)	AP	1, 3

Qn No.	Question	CL	CO
	Identify some types of megalithic structures. OR B) Discover the major astronomical texts written by ancient Indian scholars and assess their importance		
13	A) Organize historical references and archaeological findings to analyze the social significance of glass and beads in ancient Indian culture. OR B) Compare NBPW to other pottery traditions such as Painted Grey Ware (PGW). How do their styles, uses, and regional influences differ?	AP	4, 1
14	A) Analyze the historical evolution of Ayurveda in ancient India. OR B) Analyse the town planning and engineering achievements of the Harappan civilization.	AN	3, 2
15	A) Analyse the development in the field of Iron Metallurgy in India. OR B) Appraise the contributions of Brahmagupta in ancient Indian Mathematics	AN	4, 3

Part D.24 Marks.Time: 60 Minutes.(Cognitive Level :Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer 6 Marks each.Answer all 4 questions choosing among options * within each question

Qn No.	Question	CL	CO
16	A) Describe the significant discoveries in Indian mathematics during ancient period. OR B) Analyse the evolution of Dravidian style of temple architecture.	AN	3, 2
17	A)	EV	2, 3

Qn No.	Question	CL	CO
	Describe the religious and artistic significance of Sanchi Stupa. OR B) Describe the features of town planning of Harappan civilization.		
18	A) Explain the different types of water harvesting technologies in ancient India. OR B) Analyse the evolution of construction techniques used for houses in ancient India, from mud brick to stone architecture.	EV	4, 2
19	A) Prepare the vision of Indian science by combining the ideas of ancient Indian astronomers and mathematicians OR B) Analyse the ancient knowledge in the field of plant science. How the present society is benefitting from it?	CR	5, 4