

Reg. No.:



Name:

University of Kerala

W7019

Third Semester FYUGP Degree Examination, November 2025

Discipline Specific Core Course

HISTORY

UK3DSCHIS202 - Science and Technology in Contemporary India

Academic Level: 200-299

2024 Admission

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	Where is the headquarters of CSIR located? Options : A)kochi B)NewDelhi C)Mumbai D)Pune	RE	1
2	Name the first Nuclear Reactor of India Options : A)Kudamkulam B)Rewatbatta C)Kakrapar D)Kalpakkam	RE	2
3	Name the Peoples Science organization involved in the Silent Valley movement in Kerala.	UN	4
4	Identify the primary goal of India's Three-Stage Nuclear Power Programme is to Options : A)Reduce dependency on fossil fuels. B)Achieve energy independence by harnessing abundant thorium resources. C)Convert uranium into fissile plutonium. D)Produce electricity using light water reactors.	UN	3
5	Name the first indigenous super computer of India.	UN	4
6	Who is known as the Father of Green Revolution?	UN	1

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 Cruise and Ballistic missiles.	UN	3
8	Explain the significance of Non Proliferation Treaty in 1970	UN	3

Qn No.	Question	CL	CO
9	What are the main responsibilities of the Atomic Energy Commission of India?	AP	1
10	Explain the idea of Citizen Science	AP	4
11	Identify the factors led to India's Nuclear tests in 1974 at Pokran.	AP	3

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) Interpret Jawaharlal Nehru's idea of scientific temper and its relevance to modern Indian society. OR B) Debate on GM Crops in Indian agriculture system.	AP	5, 2
13	A) How would you apply the strategies of the Green Revolution to address current challenges of food security while ensuring ecological balance. OR B) Differentiate between the branches of Biotechnology and their application.	AP	2, 2
14	A) Explain the Scientific achievements of Nehruvian Era OR B) Comment on the ethical considerations associated with biotechnology research in India.	AN	1, 4
15	A) Explain two- three achievements of ISRO OR B) Analyse the importance of government intervention in creating awareness on public health and sanitation. Describe the role of NHM and various government schemes in addressing the issue.	AN	3, 4

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) Analyse the role of IT and Computing Technology in modern India. OR B) Examine the main features of the Green Revolution and assess its impact on Indian agriculture.	AN	2, 2
17	A) Evaluate the social and ethical responsibilities of scientists and technologists in an era of rapid digital transformation. OR B) Critically evaluate the application of space technology in the social advancement in India.	EV	5, 5
18	A) Evaluate the Development of Techonology in Filim Industry OR B) Describe the relationship between colonialism and development of science in Modern India	EV	3, 3
19	A) Estimate the achievements of India through space technology in education, disaster management, and agriculture. OR B) Estimate an account on IT revolution of 1990, it's key contribution of Global economy	CR	4, 1