

Semester	II
Course	U.G
Paper Code	C1BG230251T
Paper Title	History of Science, Environment and Health in Modern India
No. of Credits	4
Theory / Practical / Composite	Theory
Minimum No. of preparatory hours per week a student has to devote	
Number of Modules	2
Syllabus	<p>Module – 1 (18 lectures)</p> <p>Unit – 1</p> <ol style="list-style-type: none"> 1) William Jones and the Asiatic Society. (3 lectures) 2) The Serampore Missionaries and the progress of science. (3 lectures) 3) The rise of the Western medicine and the decline of Ayurveda. (3 lectures) <p>Unit – 2</p> <ol style="list-style-type: none"> 1) Mahendralal Sircar, Satish Mukerjee, The Dawn Society and the growth of national science. (3 lectures) 2) Science and the National Council of Education (3 lectures) 3) Swadeshi Technology: Theory and Practice. (3 lectures) <p>Module – 2 (18 lectures)</p> <p>Unit – 1</p> <ol style="list-style-type: none"> 1) Expansion of the Railways and its impact on Indian forests –history of the British Forest Policy. (3 lectures) 2) The flora and fauna – desiccation and changes in the 19th and 20th centuries. (3 lectures) 3) Forest knowledge – a case study of the Sundarbans in Bengal. 3 lectures) <p>Unit – 2</p> <ol style="list-style-type: none"> 1) Epidemics in India – The history of diseases in the British period. (3 lectures) 2) Literature on public health hygiene and sanitation – A brief overview. (3 lectures) 3) Maternal and infantile health – Revisiting the public health policies. (3 lectures)
Learning Outcomes	This course will help the general students to broaden their views on the history of science, environment and health in modern India with special emphasis on colonial Bengal. Here the approach is interdisciplinary which suits the needs of the general students coming from the various streams.

	The course design is also lucid and flexible emphasising critical thinking.	
Reading/Reference Lists	<p>Essential Reading-</p> <ul style="list-style-type: none"> • Arun Biswas – Science in India • D.P. Chattaopadhyay – Science and Society • P.C. Ray (ed) – History of Chemistry in Ancient and Medieval India • Ashok Kumar Bagchi – Medicine in Medieval India • Nupur Dasgupta – Dawn of Technology • Zaheer Babar – Scientific Knowledge, Civilization and Colonial Rule in India • C. Palit – Mahendralal Sircar and National Science • Subrata Pahari and C. Palit – Satis Mukerjee, the Dawn Society and National Science <p>Suggested Readings-</p> <ul style="list-style-type: none"> • Richard Grove – Green Imperialism • David Arnold (ed.) – Nature, Culture, Imperialism • Mahesh Rangarajan – Fencing the Forest • M.Gadgil and Ramchandra Guha (eds.) - This Fissured Land: an ecological history of India • Tinni Goswami- Sanitising the society 	
Evaluation	<p>Theory CIA:5(CIA)+20(Mid-Sem)+5 (Attendance)=30</p> <p>Semester Exam: 70</p>	<p>Practical (if applicable) CA: Semester Exam:</p>
Paper Structure for Theory Semester Exam	<p>End Semester Exam: 70</p> <p>Two modules of 35 marks each.</p> <p>(5 questions of 2 marks from 7 options: 2X5=10 3 questions of 5 marks from 5 options: 5X3=15 1 question of 10 marks from 2 options: 10x1=10)</p>	

Template for Paper Submission