1904N307

Candidate's Seat No:_____

B.Sc Semester-4 Examination

CC 205

Env Science

Time: 2-30 Hours] April-2024

[Max. Marks: 70

Instructions: (1) Draw figures where necessary.	
(2) Show question number against each answer.	
(3) Figures in right are marks.	
Q.1 Write a detailed note on physio-chemical characteristics and energy content of	of coal. (14)
OR	
Q.1(A) Write a note on nuclear fission reactors.	(07)
Q.1(B) Write a note of mining and uses of coal.	(07)
Q.2 Write a detailed note on renewable sources of energy.	(14)
OR	,
Q.2(A) Explain how wind energy can be harnessed.	(07)
Q.2(B) Explain Photovoltaic cells in detail with figure.	(07)
Q.3 Write a note on nuclear fission and fusion in detail.	(14)
OR	
Q.3(A) Write down the ways for waste disposal of radioactive ways	(07)
Q.3(B) Explain the environmental impact of nuclear waste.	(07)
Q.4 Write a note on impact of large scale exploitation of hydro and solar energy s	ources. (14)
OR	
Q.4(A) Detail note on emissions of CO ₂ in developed countries.	(07)
Q.4(B) Explain India's potential from renewable energy.	(07)
Q.5 Answer any seven out of twelve.	(14)
A. What are non-conventional sources of energy?	
B. Name two hydro power plants of India.C. Define hydro-thermal energy.	
D. Write down the types of coal.	
E. Which type of renewable energy is used most in India?F. What are short-lived nuclides?	
G. Define solar ponds.	
H. Define net-calorific value.	
I. Name the top states consuming solar energy.	
J. What is India's rank in making energy from renewable sources?	
K. Give examples of wind energy generation.	
L. What is anaerobic digester?	