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## End Semester Examination 2024

Name of the Program: Non B.Tech  
 Name of the Course: Environmental Science/  
 Environmental Science & Sustainability

Semester-~~2<sup>nd</sup>~~ 1<sup>st</sup>  
 Paper Code-

Time:3Hours

Maximum Marks: 100

### Note:

- (i) All questions are compulsory.
- (ii) Answer any two sub questions among a, b and c in each main question.
- (iii) Total marks of each main question are twenty.
- (iv) Each question contains 10 marks.

Q1	(10×2=20 Marks)	
(a)	Explain the importance of environmental awareness among the general people.	CO1
(b)	Describe the multidisciplinary nature of environmental science.	
(c)	Explain food chain, food web, ecological pyramid and ecological succession.	
Q2	(10×2=20 Marks)	
(a)	Explain "solar energy is the energy for future of India".	CO1 & CO2
(b)	Write notes on shifting cultivation, value of biodiversity, rainwater harvesting and desertification.	
(c)	Describe the conventional and non-conventional sources of energy. Compare their effects on the environment.	
Q3	(10×2=20 Marks)	
(a)	Define solid waste and also explain various disposal methods of solid waste.	CO2 & CO3
(b)	Explain causes, effects and control measures of air pollution in detail.	
(c)	Explain sources, effects and control measures of water pollution in details.	
Q4	(10×2=20 Marks)	
(a)	Explain the phenomenon of greenhouse effect and explain the adverse of greenhouse effect.	CO2 & CO4
(b)	Explain the acid rain and its adverse effect on the environment.	
(c)	Describe the Environment Protection Act.	
Q5	(10×2=20 Marks)	
(a)	Role of information technology in conservation of environment.	CO1 & CO4
(b)	Describe the population explosion, HIV/AIDS, eutrophication, floods and landslides.	
(c)	Explain the women and child welfare programs in India.	