

H

Roll No.

TEV-201

B. TECH. (SECOND SEMESTER)

END SEMESTER

EXAMINATION, June, 2023

(For Chem. Group Only)

ENVIRONMENTAL SCIENCE

Time : Three Hours

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 in each main question are **twenty**.
 - (iv) Each sub-question carries 10 marks.
1. (a) Explain the scope and importance of the environment in details. (CO1)
- (b) Describe the multidisciplinary nature of environment science. (CO1)

P. T. O.

(2)

TEV-201

- (c) Explain energy flow, food chain, food web, ecological pyramid and ecological succession. (CO1)
- 2. (a) Explain the advantages and disadvantages of solar energy. (CO1, 2)
- (b) Explain the effect of modern agriculture on environment. (CO1, 2)
- (c) Describe the bio-geographical classification of India, India as biodiversity nation, hotspots of biodiversity and conservation of biodiversity. (CO1, 2)
- 3. (a) Define solid waste and also explain various disposal methods of solid waste. (CO2, 3)
- (b) Describe causes, effects and control measures of soil pollution in details. (CO2, 3)
- (c) Explain sources, effects and control measures of marine pollution in details. (CO2, 3)

(3)

- 4. (a) Explain the phenomenon of greenhouse effect and also explain the adverse of greenhouse effect. (CO2, 4)
- (b) Explain the ozone layer hole and its adverse effect on environment. (CO2, 4)
- (c) Describe the Water (Prevention and Control of Pollution) Act. (CO2, 4)
- 5. (a) Role of information technology in environment and human health. (CO1, 4)
- (b) Describe the climate change, earthquake, nuclear accidents and holocaust. (CO1, 4)
- (c) Explain the disadvantages of population explosion. (CO1, 4)