

Roll No.

Total Pages : 3

312308

January 2022
BCA (DS) - 3rd Semester
ENVIRONMENTAL SCIENCE (BCA-17-204 (B))

Time : 90 Minutes]

[Max. Marks : 25

Instructions :

1. *It is compulsory to answer all the questions (1 mark each) of Part-A in short.*
2. *Answer any three questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. Write short notes on the following :
 - (a) Green Consultancy. (1)
 - (b) Ecological services of forests. (1)
 - (c) Eutrophication. (1)
 - (d) Pyramids of Biomass. (1)
 - (e) Western Ghats. (1)

- (f) Up-flow Anaerobic Sludge Blanket (UASB) Reactor. (1)
- (g) Biomagnification. (1)
- (h) Watershed Management. (1)
- (i) Eco-mark Scheme. (1)
- (j) Wasteland Reclamation. (1)

PART-B

- 2. (a) Give a brief account of role of engineers to control the environmental pollution. (3)
- (b) Elucidate briefly the adverse impacts of green revolution. (2)

- 3. (a) Define ecological succession? Give a brief account of all sequential steps of ecological succession. (2½)
- (b) Discuss the *in-situ* approach of biodiversity conservation with suitable examples. (2½)

- 4. (a) Briefly elucidate various adverse effects of thermal pollution. (2)
- (b) Define solid waste. Briefly explain various methods of solid waste management. (3)

- 5. (a) What are the various devices used to control particulate emission, explain briefly? (3)
 - (b) Suggest the ways through which floods can be controlled. (2)

 - 6. (a) Define sustainable development. What kind of measures can be adopted to achieve sustainable development? (3)
 - (b) Briefly explain various impacts of Enhanced Greenhouse Effect on climate and natural processes. (2)
-