

Roll No.

2 2 B T C S 0 2 4 9

SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY

Subject Code : BAS104

Subject: Environment and Ecology

Course : B.TechSEMESTER: 1st semester

FIRST SESSIONAL EXAMINATION, ODD SEMESTER, (2022-2023)

(For Sec C and D)

Time - 1hr 30 min

Maximum Marks - 30

SECTION - A

1. Attempt all questions/ short notes in brief.

Q N	QUESTION	Marks	CO	BL
a.	What is environment?	2	CO1	L1
b.	Write need of public awareness to study EVS.	2	CO1	L1
c.	Define biosphere.	2	CO1	L1
d.	Balanced ecosystem.	2	CO1	L1

SECTION - B2. Attempt any ONE of the following.

Q N	QUESTION	Marks	CO	BL
a.	Write scope and importance of environmental studies.	5	CO1	L1
b.	Draw the structure of atmosphere on the basis of classification with brief description.	5	CO1	L2

3. Attempt any ONE of the following.

a.	What do you know about food chain and food web? Write at least 5 examples of food chain and food web.	5	CO1	L1
b.	What changes do the agricultural activities cause in environment? Discuss the effect of fertilizers and pesticides on environment.	5	CO1	L2

SECTION - C

4. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	Explain the three ecological pyramids. What data is propagated by each pyramid in association with function, structure and energy in the ecosystem?	6	CO1	L2
b.	What is environmental impact assessment ? Discuss the importance of environmental impact assessment.	6	CO1	L2

5. Attempt any ONE part of the following :

Q N	QUESTION	Marks	CO	BL
a.	(i) Discuss ill effects of transportation on environment. (ii) What is effect of mining on human environment?	3 3	CO1	L2 L1
b.	Write the measures of sustainable development? Also discuss about the goals. Almost write two example of sustainable development.	6	CO1	L1

Bloom's Taxonomy Level (BL) :-

Remember (L1), Understanding (L2), Apply (L3), Analyze (L4), Evaluating (L5), Creating (L6)

Roll No.

22BTCS0249

SHAMBHUNATH INSTITUTE OF ENGINEERING AND TECHNOLOGY

Subject Code: BAS 104

Subject: Environment And Ecology

Course: B. Tech.Semester: 1st

Sections: C,D

Branch: ALL**SECOND SESSIONAL EXAMINATION, ODD SEMESTER, (2022-2023)**

Time - 2 hrs.

Maximum Marks - 45

SECTION - A1. Attempt ALL questions in brief.

Q N	QUESTION	Marks	CO	BL
a.	Enumerate few water borne diseases and water induced diseases.	2	CO3	L1
b.	What is water logging?	2	CO3	L1
c.	Write effect of burning of paddy straw.	2	CO4	L2
d.	Write difference between noise and sound.	2	CO4	L2
e.	What is the objective of value education?	2	CO5	L1
f.	Write various programs for family planning by government.	2	CO5	L1

SECTION - B2. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	What are major sources of soil pollutions? How does soil pollution affect soil productivity? What measures can be taken to prevent soil pollution.	5	CO3	L2
b.	Discuss in detail solid waste management including the treatment and disposal methods	5	CO3	L2

3. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	Why acid rain occurs. Discuss the various effects of acid rain on surroundings. Suggest remedial measures to control acid rain.	5	CO4	L2
b.	How is population growth related to automobile pollution?	5	CO4	L2

4. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	Explain how the initiatives taken by non-government organization are helpful in creating the public awareness and implementation of environment protection programs.	5	CO5	L2
b.	Write short notes on: (i) population growth (ii) environmental education.	5	CO5	L2

SECTION - C

5. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	Explain the factors which cause air pollution. Discuss the impacts of air pollution on plants, human being and materials.	6	CO3	L2
b.	Enumerate with examples the major sources of water pollution and give its control measures.	6	CO3	L2

6. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	What is ozone hole? What are the causes of ozone hole formation. Discuss the effects of ozone layer depletion and its remedial measures.	6	CO4	L2
b.	Write the impact of greenhouse gases in global warming and climate change. Discuss the national and International efforts in curbing the climate change threats.	6	CO4	L2

7. Attempt any ONE part of the following:

Q N	QUESTION	Marks	CO	BL
a.	How women education help the protection of environment. Discuss the policy of Indian government for development of women education.	6	CO5	L2
b.	Discuss the salient features of the environment protection Act 1986. Why it is necessary for our planet earth?	6	CO5	L2