

04/08/23

Printing Pages : 2

Paper Code : AEC-02

B

(SVSU:2022-23/S)

Enrollment No.

SUBJECT: Environmental Studies

CODE: AEC-02

[Time : 3:00 Hours]

[Max. Marks : 70]

I Long Question : Answer Any Three

[10×3=30]

1. Define deforestation? Discuss the cause, effects and control measures of deforestation?
2. Define biological diversity? Describe the conservation measures of biological diversity in details?
3. Define the ecosystem? Also describe the structure of ecosystem in detail?
4. Define natural resource? Classify the natural resource on the basis of Distribution, availability and use?

II. Short Question: Answer any Five

[5×5=25]

1. Define the term ecological pyramid? Describe ecological different type of ecological pyramids with examples?
2. Explain the 10% law of Energy flow in ecosystem? If the energy at first trophic level is 38769 Kcal, then what will be the energy at trophic third level?
3. Define atmosphere? Discuss the various layers of atmosphere?
4. Define and Explain the multidisciplinary nature of Environmental studies?
5. Define and explain the "Phantom Pile Concept" with suitable example?
6. Define Flood? Discuss the causes and control measures of flood?
7. Define mineral resources? Classify the mineral resources?

III. Objectives Question: Answer All Question

[15×1=15]

1. The person who is responsible for the celebration of first world earth day?
(i) Gaylord Nelson (ii) George Washington
(iii) Narendra Modi (iv) None of these
2. Energy flow in an ecosystem is
(i) Reversible (ii) Unidirectional (iii) Transferable (iv) Direct
3. First layer of atmosphere from bottom is-
(i) Exosphere (ii) Thermosphere (iii) Troposphere (iv) stratosphere

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4. Which one of the following trophic level is not considered in ecological pyramids?
(i) Producer (ii) Consumer (iii) Decomposer (iv) Detrivores
5. Standard of noise for residential areas during Night time is-
(i) 55 (ii) 45 (iii) 65 (iv) 35
6. Full form of CFC-
(i) Chloro Fluoro Carbon (ii) Chloro Bromo Carbon
(iii) Carbon Chloro Fluoro (iv) Fluoro Chloro Carbon
7. Name the organism that manufacture organic compound from simple inorganic compounds without using sunlight?
(i) Detrivores (ii) Photoautotrophs
(iii) Organotrophs (iv) Chemoautotrophs
8. International Day for Biological Diversity is celebrated on-
(i) 22nd April (ii) 22nd March
(iii) 22nd May (iv) 22nd June
9. When trees are cut, amount of oxygen
(i) Decreases (ii) Increases
(iii) both i and ii (iv) Remains same
10. Dominant gas present in the atmosphere-
(i) Oxygen (ii) Nitrogen (iii) Hydrogen (iv) Water
11. Which ecological pyramid is always straight-
(i) Pyramid of energy (ii) Pyramid of numbers
(iii) Pyramid of biomass (iv) Pyramid of numbers and biomass
12. 71% of earth surface is covered with
(i) land (ii) air (iii) water (iv) coal
13. The acid rain does not contain
(i) Sulphuric acid (ii) Nitric acid
(iii) Sulphurous acid (iv) Acetic acid
14. Earth is protected from ultra violet radiations by
(i) Ozone layer (ii) Troposphere
(iii) CO₂ layer (iv) Oxygen layer
15. Rank of India in Environmental Performance Index (EPI) 2022 is
(i) 101 (ii) 176 (iii) 179 (iv) 180

Enrollment No.

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COMMON IN ALL COURSE
III YEAR /VI SEMESTER EXAMINATION
HUMAN VALUES & PROFESSIONAL ETHICS

[Time: - 3 Hrs]

[Max. Marks:-70]

I. Long Question : Answer any three (03)

[10 X 03= 30]

1. What should be the content of value education to make it complete? How do values relate to our day to day living?
2. Critically examine the issues in professional ethics in the current scenario. List any five unethical practices in profession today and the methods being tried to curb them.
3. Explain the concepts of natural acceptance and experiential validation as the mechanisms of self-exploration.
4. "For success in any Human Endeavour both values and skills are required." Explain.

II. Short Question: Answer any five (05)

[5X5= 25]

1. Explain the Concept of Happiness.
2. Mention any four values in human relationships and define them.
3. Explain the role of Right Understanding in life and profession of a human being.
4. What is the need of value education?
5. Human body is a self organized unit. Explain
6. What do you mean by sanskar?
7. What do you mean by co-existence?

III. Objective Questions : Answer all Questions

[1X15= 15]

S.No	Question	Option A	Option B	Option C	Option D
1	The basic desires of every human being are to be always	Happy	Prosperous	Both (a) and (b)	None of these
2	Activities of body are	Continuous in time	Temporary in time	Discrete nature	None
3	Lot of physical facility can provide us	Happiness	Prosperity	Both (a) and (b)	None of these
4	The responses of self are	Recognizing and fulfilling	Knowing and assuming	Knowing, Recognizing and fulfilling	Knowing, Assuming, Recognizing and fulfilling
5	Realization is the activity of	Self	Body	Both Self and Body	None of these
6	Human life is lived at four levels: Individual, Family, and Nature.	Community	Society	Imaging	Analyzing
7	Body is a _____ unit while the self is a _____ unit.	Material, Consciousness	Consciousness, Material	Material, Material	Consciousness, Consciousness
8	Imagination includes	Desire and Thought	Thought and Expectation	Desire and Expectation	Desire, Thought & Expectation
9	Need of self is	Quantitative	Temporary	Qualitative	None
10	The 'I' is	doer	seer	enjoyer	All of these
11	The process of education and right living leads to _____ in the individual	Labour	Right Understanding	Co-existence	Existence
12	Which is correct?	Self=Body	Self and body are in coexistence	Needs of self and body are same	All are incorrect
13	The needs of the self are fulfilled by	Right understanding	Right feeling	Both right understanding and right feeling	Cannot ensured
14	Sukh is ensured by appropriate	Physio-chemical things	Right understandings and right feelings	Right feelings	Right understandings
15	The basic capacity of analyzing is known as	Thought	Desire	Expectation	Behavior
