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M.Sc. (Fourth Semester)
EXAMINATION, May - June, 2022
GEOLOGY
Paper Second
(Environmental Geology)

Time : Three Hours]

[Maximum Marks:80

Note: Attempt all sections as directed.

(Section - A)
(Objective/Multiple Choice Questions)
(1 mark each)

Note: Attempt all questions.

Choose the correct answer:

1. A water tank is a -
- (A) Ecology
 - (B) Ecosystem
 - (C) Not part of environment
 - (D) None of these

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2. Coal is -
- (A) Non renewable
 - (B) Renewable
 - (C) Artificial
 - (D) None of these
3. Barchean is a -
- (A) Fluvial land form
 - (B) Glacial land form
 - (C) Aeolian land form
 - (D) Coastal land form
4. Sunderban delta is an example of:
- (A) Biodiversity
 - (B) Lake
 - (C) Global Warming
 - (D) None of these
5. Rain water harvesting is related to-
- (A) Water pollution
 - (B) Water quality
 - (C) Water Conservation
 - (D) Water wastage

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6. Conservation of soil can be done through-
- (A) Aforestation
 - (B) Deforestation
 - (C) Making dams
 - (D) None of these
7. Land slide occurs generally in-
- (A) Oceans
 - (B) Rivers
 - (C) Hilly area
 - (D) Deserts
8. Volcanic activity includes -
- (A) Activities in the internal part of the earth.
 - (B) Activities in exterior part of the earth
 - (C) Man made activities
 - (D) Atmospheric activities
9. Intensity of Earthquake can be measured in -
- (A) Centimeter
 - (B) Decibel
 - (C) Richter scale
 - (D) Decimeter

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10. Tsunamis generally occur in -
- (A) Ocean
 - (B) Road
 - (C) Hills
 - (D) River
11. Sahara is an example of:
- (A) River
 - (B) Ocean
 - (C) Desert
 - (D) Lake
12. The main cause of sea level changes is-
- (A) Hot summer
 - (B) Cold winter
 - (C) Glaciation
 - (D) Global warming
13. Due to river flooding which of the following is affected more?
- (A) Water logged area
 - (B) Biodiversity of river
 - (C) Flora and fauna of surrounding areas
 - (D) All of these

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14. Green House gas is -
- (A) Water vapour
 - (B) Hydrogen
 - (C) Oxygen
 - (D) Argon
15. Highly Turbid water is an indicator of -
- (A) Pure water
 - (B) Polluted water
 - (C) Good water
 - (D) Juvenile water
16. Use of pesticides is -
- (A) Useful for ground water
 - (B) Harmful for ground water
 - (C) Useful for surface water
 - (D) None of these
17. Ozone hole indicates:
- (A) Ozone layer depletion
 - (B) Excess presence of oxygen
 - (C) Excess presence of ozone
 - (D) None of these

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18. Chlorofluro carbon (CFC) is responsible for -
- (A) Ozone layer Depletion
 - (B) Rainfall
 - (C) Land sliding
 - (D) Earth quake
19. Erosion means -
- (A) Only Transportation
 - (B) Only weathering
 - (C) Transportation and weathering
 - (D) None of these
20. Environmental policy is mainly made for -
- (A) Environmental pollution
 - (B) Environmental Conversation
 - (C) Environment damage
 - (D) None of the above

Section - B

(Very Short Answer Type Questions)

(2 marks each)

Note: Attempt all questions.

1. Describe habitat.

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2. What are natural resources?
3. Name any two fluvial landform?
4. Comment on Water Resources.
5. What is Geological Hazard?
6. Explain coastal erosion.
7. Comment on ozone hole.
8. Comment on Human settlement on ground water.

Section - C

(Short Answer Type Questions)

(3 marks each)

Note: Attempt all questions.

1. Comment on scope of Environment Geology.
2. Explain Ecosystem.
3. What are the characteristics of Aeolian landform?
4. Comment on conservation of water resources.
5. Explain causes of Land Slides.
6. What do you mean by sea level changes.
7. Explain ozone layer depletion
8. Comment on contamination of ground water by waste disposal.

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Section - D

(Long Answer Type Questions)

(4 marks each)

Note: Attempt all questions.

1. Comment in detail on Role of Geology in natural resource management and environmental planning.
2. Explain in detail on Geomorphic controls on Biodiversity and its conversation.
3. What is difference between Earthquake and Tsunami? Comment on causes of Earthquake.
4. Throw light in detail on Human modification of nature on surface and subsurface by mining activities.
5. Explain National Environmental Policy in detail.