

**End Semester Examination-Dec. 2021**

**B. Tech IT/MEE/MSME- III sem, Environment Science, Paper code: EVS101**

Time: 2 Hours

Max.Marks:40

Note: Attempt all the Sections

**A. Multiple choice questions.**

**1\*20=20**

1. A paddy field is an example of
  - i) Fresh water ecosystem ii) Terrestrial ecosystem iii) Engineered Ecosystem iv) None of the above.
2. The main pollutant in vehicle emission is
  - i) CO ii) CO<sub>2</sub> iii) SO<sub>2</sub> iv) All of the above.
3. In which of the following ecosystems, is more productive?
  - i) Rain forest ii) Ocean iii) desert iv) Glacier
4. Chief source of energy in environment is
  - 1) Fire ii) Sun iii) Wind iv) Moon
5. The Chipko Movement is associated with.....
  - 1) Water Resources 2) Forest Resources 3) Food Resources 4) Energy Resources
6. Presence of the fertilizers in soil leads to
  - i) Loss of fertility ii) Higher Growth of Flora & Fauna iii) Algal bloom iv) Decomposition
7. Which of the following are to be managed for sustainable development?
  - i) Industries ii) Forests iii) crops iv) Resources
8. When we destroy a forest, we destroy
  - i) The trees ii) population of wildlife iii) the environment of all the living beings iv) food and shelter of wild animals
9. Pick the right combination of terms which has no fossil fuel.
  - 1) Wind, ocean and coal ii) Kerosene, wind and tide iii) Wind, wood, sun iv) Petroleum, wood, sun
10. Which one of the following is an example of nonrenewable resource?
  - i) Water ii) Vegetation iii) Wind iv) Coal and minerals
11. Black Pepper is endemic to
  - 1) Himalaya 2) Rajasthan 3) Malabar Coast of India 4) Panjab
12. Earth fresh water reserve are mere
  - 1) 2.6% 2) 5.4% 3) 50% 4) 70%
13. Greenhouse gases include
  - 1) Methane 2) Nitrous oxide 3) Carbon dioxide 4) All of the above
14. During Photosynthesis Plants take up .....
  - 1) Oxygen 2) CO<sub>2</sub> 3) Water 4) Food
15. Respiration involves
  - 1) Inhaling O<sub>2</sub> and exhaling CO<sub>2</sub> and Food Oxidation 2) Oxidation of Food 3) Inhaling Oxygen 3) Inhaling O<sub>2</sub> and exhaling CO<sub>2</sub> 4) None of these
16. Rainfall range in evergreen forest
  - 1) 100-150 cm/year 2) More than 200 cm/year 3) Less than 100 cm/year 4) 20-70 cm/year
17. Coniferous forest are----
  - 1) Broad leaved forest with Jamun , ficus, Fern, Oak as flora and Tiger , elephant as fauna.
  - 2) Narrow leaved with Pinus,, Quercus, barberis as flora and Himalayan goat, black bear, and sheep as fauna
  - 3) Minimum Flora and Fauna 4) None of the above
18. Thorn forest vegetation includes
  - 1) Dense and form canopy 2) Small trees and shrubs of stunted growth 3) Halophytes

4) Higher plants and tree

19. In Food chain organisms are connected with each other

1) Consumers to producer level 2) Producer to Consumer level 3) Producer to producer level 4) Consumer to Consumer

20. Water balance is maintained by the other continuous interchange of water between Earth and atmosphere via

1) Precipitation 2) Evaporation 3) Transpiration 4) All of the above

**B. State TRUE and FALSE**

**1x5**

21. Ecosystem is a set of natural interactions.

22. We get medicine from plants

23. The Earliest organisms were single-celled and appeared like bacteria.

24. Coal is fossilized biomass that is 300-100-million-year-old.

25. E-wastes are known to contain residues of heavy metals

**C. Fill in the blanks**

**1x5**

26. Grass → Grasshopper → ... → snake → Peacock

27. Plant flower → ..... → lizard → Eagle

28. Grass → ----- → Foxes → - .....

29. The best example of an island species that went extinct during historical times is the.....

30. Joint Management activities are used to -----

31. Ozone depletion is caused by.....

32. The best source of phosphorous in an ecosystem.....

33. Stratosphere is rich in.....

34. Tidal Energy is used to generate.....

35. Solar Energy can be trapped using.....

**D. Match the list I with list II and choose the correct answer.**

**1x5**

List A

List B

Himalaya

Nikobar Group of Island

Indo-Burma

Entire western Ghat & Sri Lanka

Sundaland

Pakistan, Tibet, Nepal, Bhutan, China & Myanmar

Western Ghat

Region with significant level of biodiversity & threatened

A Biodiversity hotspot

Entire North Eastern India except Andaman