

## **Question Bank (I scheme)**

**Name of subject: ENVIRONMENTAL STUDIES (EST)**

**Subject code: 22447**

**Semester: IV**

**Unit Test: I**

**Course: ME/EE/CE4I**

**Each question carries 1 mark**

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- 1) In ecosystem, which one shows one way passage?
  - a) Nitrogen
  - b) Carbon
  - c) Potassium
  - d) Free energy
  
- 2) Upper part of sea / aquatic ecosystem contains.
  - a) Plankton
  - b) Elkton
  - c) Benthos
  - d) Plankton and nekton
  
- 3) Association of animals when both partners are benefited
  - a) Mutualism
  - b) Colony
  - c) Commensalism
  - d) Ammensalism
  
- 4) The sum of total of population of same kind of organism constitute
  - a) Colony

- b) Species
- c) Genus
- d) Community

- 5) This biome has greatest diversity of species
- a) Tropical rain forest
  - b) Taiga
  - c) Arctic Tundra
  - d) Desert
  - e) Temperate grassland
- 6) Many individuals of the same species living together in a defined area from a/an
- a) Community
  - b) Genus
  - c) Population
  - d) Ecosystem
  - e) Variety
- 7) Which one of the following is not a functional unit of ecosystem?
- a) Productivity
  - b) Stratification
  - c) Energy flow
  - d) Decomposition
- 8) The upright pyramid of number is absent in
- a) Lake
  - b) Grassland
  - c) Pond
  - d) Forest
- 9) Identify possible link in “?” in the following food chain
- Plant □□insect□frog□“?”□Eagle

- a) Cobra
- b) Parrot
- c) Rabbit
- d) Wolf

10) The final stable community in ecological succession

- a) Climax
- b) Sere
- c) Pioneers
- d) Carnivores

11) A renewable exhaustible natural resource is

- a) Petroleum
- b) Coal
- c) Forest
- d) Minerals

12) About 70% of total global carbon is found in

- a) Forests
- b) Grasslands
- c) Agro ecosystem
- d) Oceans

13) The maximum Biomass occurs in

- a) Tropical forests
- b) Temperate forests
- c) Taiga
- d) Alpine vegetation

14) A ----- is a step in the food chain

- a) Community
- b) Biosphere
- c) Food web

d) Trophic level

15) ----- is/are the ultimate source of energy for all life on the earth

- a) Plants
- b) Decomposers
- c) Sunlight
- d) Water

16) ----- is the science that seeks to understand the living world

- a) Biology
- b) Ecology
- c) Chemistry
- d) Physics

17) The study of ecosystem is called

- a) Environment
- b) Ecology
- c) E-study
- d) Cosmos

18) The grazing food chain derives energy from ----- energy

- a) Plant
- b) Fish
- c) Animals
- d) Sun

19) Energy flow through an ecosystem was explained by

- a) E.P. Odum
- b) E.P. Rax
- c) E.P. Zen
- d) E.P. Watson

20) About 1/3 rd of our land is covered by

- a) Deserts
- b) Grasslands
- c) Water
- d) Forest

21) The life supporting gases such as O<sub>2</sub> CO<sub>2</sub> and N<sub>2</sub> are chiefly concentrated in the

- a) Troposphere
- b) Exosphere
- c) Hemisphere
- d) stratosphere

22) Which of following is a renewable source?

- a) Wind
- b) water
- c) Flora and Fauna
- d) All of these

23) \_\_\_\_\_ is major raw material for biogas.

- a) tree leaves
- b) Grass
- c) cow dung
- d) Waste from kitchen

24) Atomic energy is obtained by using ores of \_\_\_\_\_

- a) copper
- b) uranium
- c) lead
- d) crude oil

25) Minimum time required for formation of one inch of top soil is

- a) 10 years
- b) 5 years

- c) 100 years
- d) 200 years

26) Blue baby syndrome(methamogiobinemia)

- a) Sulpher
- b) Arsenic
- c) Phosphates
- d) Nitrates

27) Out of total water reserves of the world, about \_\_\_\_\_ is salty water (marine) and only \_\_\_\_\_ is fresh water

- a) 97%,3%
- b) 3%,97%
- c) 1%,99%
- d) 2%,98%

28) The main Green House gas is absorbed by forest as raw material for photosynthesis.

- a) O<sub>2</sub>
- b) CO<sub>2</sub>
- c) SO<sub>2</sub>
- d) O<sub>3</sub>

29) Minerals rocks, salt and chemicals are termed as

- a) Abiotic resource
- b) Biotic resource
- c) Semi-Transparent resource
- d) Falling resource

30) The main driving force of ecological system is

- a) Wind energy
- b) Water energy
- c) Solar energy
- d) Earth energy

31) SNG stands for

- a) Synthetic Natural Gas
- b) Systematic Natural Gas
- c) Sulphuric Natural Gas
- d) Silver Natural Gas

32) Natural resources do not include

- a) Water
- b) Air
- c) Refined oil
- d) Wood

33) Which option below is not an example of pollution?

- a) Smog in Delhi
- b) Nuclear Waste
- c) Overpopulation
- d) Untreated sewage

34) What was approximate world population of human in year 2008?

- a) 667 million
- b) 66 billion
- c) 6.67 billion
- d) 6.67 million

35) Ideally cover of forest should be \_\_\_\_\_ of total area of country.

- a) 23%
- b) 30%
- c) 33%
- d) 40%

36) Which of the following sources provides the least energy for industrialized countries?

- a) Petroleum

- b) Nuclear Fuels
- c) Coal
- d) Gas

37) Biogas Generation is mainly based on the principle of

- a) Anaerobic Degradation
- b) Aerobic decomposition
- c) Putrefaction
- d) None of these

38) Biotic component of biosphere is not constituted by\_\_\_\_\_

- a) Producer
- b) Decomposer
- c) Consumer
- d) Air

39) Oxygen is returned to atmosphere mainly by\_\_\_\_\_

- a) Respiration
- b) Photosynthesis
- c) Fungi
- d) Burning of coal

40) Atmosphere not uniformly heated by sun does not cause\_\_\_\_\_

- a) Air Flows
- b) Variation in Climate
- c) Rainfall
- d) Tide

41) Environmental studied does not involve

- a) Psychology
- b) Demography
- c) Ethics

d) Literature

42) Abiotic environment does not include

- a) Soil
- b) Water
- c) Air
- d) Plant

43) Van Mahotsav is an annual tree-planting festival in India, celebrated on

- a) 2nd June
- b) 1st July
- c) 1st Dec
- d) 15th September

44) Biotic environment includes

- a) Producers
- b) consumers
- c) decomposers
- d) all of these

45) The world environment is derived from French word

- a) Environner
- b) Environnering
- c) E-environner
- d) Envo

46) As per the French word Environner means

- a) Atmosphere
- b) earth and sun
- c) encircle and surround
- d) earth and energy

47) World environment day is on

- a) June 5
- b) June 11
- c) July 5
- d) d)July 11

48) World day of water is on

- a) April 22
- b) March 23
- c) March 24
- d) March 22

49) Eco mark of our country is

- a) Earthen pitcher
- b) water drop
- c) sun
- d) Ashoka tree

50) Environmental friendly products are given ISO certification called ISO..... .

- a) 12000
- b) 13000
- c) 14000
- d) 15000

51) Nobel peace prize in 2004 for contribution towards environmental conservation was awarded to

- a) Ratantata
- b) Wangarimaathai
- c) S.D. bush
- d) Dr. Manmohan Singh

52) He is popularly known as green judge

- a) Mr. manmohansingh

- b) Kuldeepsingh
- c) Mangalsingh
- d) Mr.Jethmalani

53) He is known as Green Advocate.

- a) Mr. K.P.Raghav
- b) Mr. P.Chidambaram
- c) Mr. S.D.Rao
- d) Mr. M.C.Mehta

54) He is known for his 'Chipko Movement'.

- a) AtalBihariBajpeyi
- b) Anna Hajare
- c) SundarlalBahuguna
- d) Pandit Nehru

55) He got the Magsaysay award for water conservation effort.

- a) Rajendersingh
- b) Ashok Singh
- c) Nana Pateker
- d) Anil Agarwal

56) Wild life week is celebrated in the period of

- a) 1-7th October
- b) 1-18th October
- c) 1-8th March
- d) 1-8th April

57) World Forest day is on

- a) 11 March
- b) 12 March
- c) 13 March

d) 21 March

58) Edaphic means

- a) Related to water
- b) Related to soil
- c) Related to Air
- d) Related to sun

59) The term Ecology was introduced by

- a) Haeckel
- b) Newton
- c) S.S Rao
- d) Tansley

60) The Ecological factors related to soil and substratum are called ..... factors.

- a) Tbilisi (USSR)
- b) Delhi (India)
- c) Albita
- d) New York (USA)