



**Name of subject: ENVIRONMENTAL STUDIES**

**Subject code: 22447**

**Semester: IV**

**Unit Test: I**

**Course: ME4I**

**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 form a/an
- a) Community
  - b) Genus
  - c) Population
  - d) Ecosystem
  - e) Variety
- 7) Which one 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) 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 product 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



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

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

