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First/Second Semester B.E Degree Examination, Dec.2016/Jan.2017
Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the fifty questions, each question carries **ONE** mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

1. Increasing Industrialisation is causing much danger to man's life by
 - a) Polluting the environment
 - b) Producing more goods
 - c) Providing more jobs
 - d) Utilizing waste land
2. The most environmentally friendly method of insect control from the following is
 - a) Application of organophosphates
 - b) Application of chlorinated hydro carbons
 - c) Application of pyrethroids
 - d) Crop rotation and Intercropping.
3. What does the abbreviation 'GIS' stands for
 - a) Geographical Information system
 - b) Geological Information system
 - c) Geographical Interpretation system
 - d) Geoscience Information system
4. Which of the following is likely to be present in photochemical smog?
 - a) Ozone
 - b) Peroxyacetyl nitrates (PAN)
 - c) Aldehyde
 - d) All of these
5. Which of the following components of the environment encompass living things?
 - a) Atmosphere
 - b) Hydrosphere
 - c) Lithosphere
 - d) Biosphere
6. Ozone depletion will cause
 - a) More ultraviolet radiation from the sun to reach the earth
 - b) Increased in skin cancer and
 - c) Weakening of human immune system
 - d) All of these
7. Noise is,
 - a) Loud sound
 - b) Unwanted sound
 - c) Constant sound
 - d) Sound of high frequency
8. Which of the following is not a marine pollutant?
 - a) Oil
 - b) Plastics
 - c) Dissolved oxygen
 - d) Sewage

9. Which of the following components of the environment is responsible for the large scale recycling of matter on earth?
a) Atmosphere b) Hydrosphere c) Lithosphere d) Biosphere
10. Deforestation includes areas where, the impact of disturbance, over utilization or changing environmental conditions affects the forest to an extent that it cannot sustain a tree cover above the _____ percent threshold.
a) 10% b) 30% c) 60% d) 80%
11. In the developing world
a) Male population is decreasing b) Male to female ratio is increasing
c) Infant mortality is increasing d) Life expectancy is decreasing
12. The pollutants which are emitted directly from identifiable sources are called as
a) Secondary pollutants b) Observable pollutants
c) Tertiary pollutants d) Primary pollutants
13. Two of the most important atmospheric conditions affecting the dispersion of pollutants are the strength of the wind and the _____ of the air
a) stability b) depth c) temperature d) pressure
14. The three 'R's to save the environment are
a) Reserve, Reduce, Recycle b) Reduce, Recycle, Reuse
c) Reserve, Reuse, Reduce d) Reuse, Reserve, Reduce
15. Organic agriculture is
a) Ecological management practice b) Ecological production management
c) Both (a) & (b) d) None of these
16. The transfer of "Food energy" through a chain of organisms from one trophic level to another is
a) Energy chain b) Organisms chain c) Trophic chain d) Food chain
17. The severity of an earthquake is a measure of its seismic waves and is called as
a) epicenter b) focus c) magnitude d) ridges
18. The incident of Bhopal gas tragedy occurred on the night of
a) December 3rd 1984 b) December 2nd 1984
c) December 3rd 1982 d) December 1st 1984
19. Most stable form of rock in the environment is
a) Magma b) Igneous rock c) Metamorphic d) Sedimentary rock
20. Which of the following is not true about DDT
a) It do not break down rapidly in the environment
b) Is more soluble in water than in fat
c) It is inexpensive and easy to apply d) It is capable of causing cancer
21. Amrita Devi Bishnoi sacrificed her life to the protection of
a) Sal tree b) Pine tree c) Khajri tree d) Alpine
22. What is the primary difference between renewable resources and non renewable resources?
a) how easily they are discovered b) the amount of the resources
c) the length of time it takes for them to be replenished
d) how fast they are being used up.

37. Non point sources of pollution includes all of the following except _____
a) Wind carrying dirt and pesticides from crop lands
b) A smoke stack from power plant
c) Run off from stockyards
d) Fertilizer runoff from agricultural fields.
38. Which one of the following human organ is damaged by fluoride pollution in water
a) Teeth
b) Kidney
c) Brain
d) Lungs
39. Self assimilation of nutrient from 'photons' the light packets is termed as
a) Heterotrophy
b) Photo autotrophy
c) Autotrophy
d) Chemotrophy
40. The IS code for potable water is
a) IS : 10500
b) IS : 10000
c) IS : 20000
d) IS : 2014
41. Succession of life forms that starts in water is called
a) Hydrobionts
b) Hydrophytes
c) Phytoplanktons
d) Hydrosere
42. 'Silicosis' is prevalent in the
a) Textile industry
b) Sugar industry
c) Stone crushers
d) Storage battery industries
43. The minimum DO level needed for existence of life forms in water
a) 1 mg/L
b) 2 mg/L
c) 3 mg/L
d) 4 mg/L
44. The water vapour to Ozone ratio in the healthy troposphere is
a) 1000 : 1
b) 1 : 1
c) 100 : 1
d) 1 : 1000
45. What is the minimum nutritional requirement of the secured foods?
a) 1500 cal
b) 2000 cal
c) 200 cal
d) 500 cal
46. Which of the following remote sensing technologies uses sound?
a) Radar
b) Sonar
c) thermal infrared imaging
d) colour infrared imaging
47. The mile stone marking the birth of the environmental movement was
a) The Publication of the book silent spring by Rachel Carson in 1962
b) Chernobyl disaster
c) Founding of green peace
d) 1st World war
48. The process of conversion of atmospheric nitrogen to available nitrate form is called
a) Nitrogen synthesis
b) Denitrification
c) Nitrification
d) Nitrifxing.
49. Which of the following is not a key concept that is part of our definition of GIS.
a) GIS can be used in all areas of modern science
b) GIS technologies include GPS and remote sensing
c) GIS includes both computer hardware and software
d) People are an important part of GIS.
50. The Mars orbiter Mission (MOM), informally called Mangalayaan is India's first Mars orbiter and was launched by the vehicle.
a) ASLV (Augmented Satellite Launch Vehicle)
b) PSLV (Polar Satellite Launch Vehicle)
c) GSLV (Geo synchronous Launch Vehicle).
d) Ariane - 5.