

Environmental Studies VTU CBCS Question Paper Set 2018



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CBCS Scheme

17CIV18

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Question Paper Version : A

First Semester B.E. Degree Examination, Dec.2017/Jan.2018
Environmental Studies
(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 30

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. Remote sensing technique deals with the detection of recording of a selected portion of
 - a) Emission spectrum
 - b) Light spectrum
 - c) Photo spectrum
 - d) Electro magnetic spectrum
 2. RADAR stands for
 - a) Radio & Distance Ranging
 - b) Radio detection & Ranging
 - c) Ranging & Detection Arrangement
 - d) Radio detection Recorder
 3. Which is not a commonly using coding scheme for images
 - a) JPEG
 - b) Gif
 - c) MP3
 - d) Tiff
 4. DBMS stands for
 - a) Database Management System
 - b) Database Monitoring system
 - c) Database Manufacturing system
 - d) Database Mixing station
 5. GIS stands for
 - a) Geostationary interact sector
 - b) Geographical information system
 - c) Geotechnical information society
 - d) Geothermal investigation site
 6. Which State is having highest women literacy rate in India
 - a) Karnataka
 - b) Punjab
 - c) Rajasthan
 - d) Kerala

7. In water treatment, alum is used for
a) Softening b) Coagulation c) Filtration d) Disinfection
8. World Ozone day is being celebrated on
a) September 5th b) October 15th c) September 11th d) September 16th
9. Acid rain has been increasing day by day due to
a) Urbanisation b) Industrialization
c) Increase in vehicle population d) None of these
10. Reduction in brightness of the famous Taj Mahal is due to
a) Global warming b) Air pollution c) Ozone depletion d) Afforestation
11. Primary cause of Acid rain around the World is due to
a) Carbon-di-oxide b) Sulphur-di-oxide c) Carbon-Monoxide d) Ozone
12. Petroleum based vehicles emit tracer of
a) CO & NO₂ b) SPM c) Aldehydes d) CH_n
13. Definition of Noise is
a) Loud sound b) Unwanted sound
c) Constant sound d) Sound on high frequency
14. Smog is
a) A natural phenomenon b) Combination of smoke & fog
c) Colourless d) All the above
15. The liquid waste from kitchen and bathroom is called
a) Sullage b) Domestic sewage c) Storm waste d) Run off
16. BOD means
a) Bio chemical oxygen demand b) Chemical oxygen demand
c) Bio – physical oxygen demand d) All the above
17. Highest producer of oil and petroleum is
a) Middle East countries b) America
c) China d) India
18. Nuclear waste is active for
a) 5 year b) 10 years c) 50 years d) Centuries
19. Nuclear power plant in Karnataka is located at
a) Bhadravathi b) Sondur c) Raichur d) Kaiga
20. Direct conversion of solar energy is attained by
a) Solar photo voltaic system b) Solar diesel hybrid system
c) Solar thermal system d) Solar air heater

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21. India has the largest share of which of the following
a) Manganese b) Mica c) Copper d) Diamond
22. Forests prevent soil erosion by binding soil particles in their
a) Stems b) Roots c) Leaves d) Buds
23. Which of the following is the most environmental friendly agriculture practice
a) using chemical fertilizers b) using insecticides
c) organic farming d) None of these
24. Mining means
a) To conserve minerals b) To check pollution
c) To extract minerals and ores d) None of these
25. Which of the following is absorbed by green plants from atmosphere
a) Carbon -di - oxide b) Water c) Nutrients d) All of the above
26. Which atmospheric sphere is closest to earth surface
a) Troposphere b) Stratosphere c) Mesosphere d) Exosphere
27. The largest reservoir of Nitrogen in our plant is
a) Oceans b) Atmosphere c) Biosphere d) Fossil fuels
28. In an Ecosystem, the flow of energy is
a) Bidirectional b) Cyclic c) Unidirectional d) Multidirectional
29. Which of the following conceptual spheres of the environment is having the least storage capacity for matter
a) Atmosphere b) Lithosphere c) Hydrosphere d) Biosphere
30. The term Environment has been derived from the French word _____ which means to encircle or surround.
a) Environ b) Oikos c) Geo d) Aqua

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CBCS Scheme

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Question Paper Version : A

First/Second Semester B.E Degree Examination, June/July 2016
Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the forty 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.
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-
1. The term ecosystem was proposed by,
a) Jacob Van Verkul b) A.G. Tansley
c) Costanza d) Marrie Gibbs
 2. World Environment day is on,
a) 5th May b) 5th June c) 18th July d) 16th August
 3. Physical pollution of water is due to,
a) Dissolved oxygen b) Turbidity c) PH d) None of the above
 4. Which pyramid is always upright?
a) Energy b) Bio mass c) Numbers d) Food chain
 5. Disfigurement in the teeth is caused by excessive amount of,
a) Mercury b) Nitrate c) Fluoride d) Lead
 6. Smog is a,
a) National phenomena b) Colourless
c) Combination of smoke and Fog d) None of these

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7. Which of the following is the source of Fly ash,
a) Vehicle exhausts b) Sewage c) Thermal power plant d) All of these
8. Ozone layer thickness is measured in,
a) PPM b) PPb c) Decibels d) Dobson unit
9. Energy is measured in,
a) BIU b) Bhu c) Btu d) Ntu
10. Nuclear waste is active for,
a) 5 year b) 10 years c) 50 years d) 100 years
11. The first international earth Summit was held in,
a) Johannes burg b) Kyoto c) Riode Janeiro d) Stock holm
12. In aquatic ecosystem, phytoplankton can be considered as a,
a) Consumer b) Producer c) Decomposers d) Macro consumer
13. Which state is having highest woman literacy rate in India?
a) Karnataka b) Punjab c) Rajastan d) Kerala
14. _____ are referred to as earth's Lungs,
a) Forest b) Carbon cycle c) Water sources d) Mines
15. Biomass power generation uses,
a) Crop b) Animal dung c) Wood d) All of these
16. Charnobyl nuclear disaster occurred in the year,
a) 1984 b) 1987 c) 1986 d) 1988
17. Demography is the study of,
a) Animals behaviour b) Population growth c) River d) None of these
18. Ozone layer is present in,
a) Troposphere b) Stratosphere c) Mesosphere d) Thermosphere
19. The Central Pollution Control Board (CPCB) was established in the year,
a) 1974 b) 1982 c) 1986 d) 1976
20. Which of the following is NGO?
a) Narmada Bachao Andolan b) CPCB
c) KSPCB d) None of these
21. The Leader of chipko movement is,
a) Sunderlal Bahuguna b) Medha Patkar
c) Vandana Shiva d) Suresh Heblikar

June/July 2016

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22. In an ecosystem the flow of energy is,
a) Bidirectional b) Unidirectional c) Cyclic d) None of these
23. E.I.A is related to,
a) Resource conservation b) Efficient equipment process
c) Waste minimization d) All of the above
24. Taj Mahal at Agra may be damaged by,
a) Sulphur dioxide b) Chlorine c) Hydrogen d) Oxygen
25. Minamata disease is caused due to
a) Lead b) Arsenic c) Mercury d) Codmium
26. Who is the author of the book "Silent Spring"?
a) Robin cook b) Arthur Hailey c) Rachel carson d) Darwin
27. Amount of oxygen present in atmospheric air is,
a) 0.03% b) 21% c) 36% d) 0.9%
28. Remote sensing is a,
a) Satellite system b) Ground system c) Sensor system d) None of the above
29. GIS can be expanded as,
a) Geological information system b) Geographic information system
c) Geographic internet system d) Geodynamic information system
30. Geothermal energy is a,
a) Heat energy b) Wind energy c) Current energy d) Solar energy
31. Water use for irrigation of food crops, fodder crops and medical herbs is known as,
a) Consumptive use b) Commercial use c) Auxiliary use d) Productive use
32. Global warming could affect,
a) Climate b) Increase in sea level c) Melting of Glaciers d) All of the above
33. The average life expectancy around the world is currently,
a) decreasing b) increasing c) not changing d) stabilizing
34. The objective of integrated child development services (ICDS) are,
a) Immunization b) Health checkup and referral services
c) Pre school non formal education d) All of these
35. The universal declaration of Human rights was proclaimed by the UN in the year,
a) 1946 b) 1947 c) 1948 d) 1949

36. The international protocol to protect the ozone layer is,
a) The Montreal protocol
b) Kyoto protocol
c) The Vienna protocol
d) Cartagena protocol
37. Which of the following is not a green house gas,
a) Hydrochloro fluorocarbons
b) Methane
c) Carbon dioxide
d) Oxygen
38. Major compound responsible for the destruction of stratospheric ozone layer is,
a) Oxygen
b) CFC
c) Carbon dioxide
d) Methane
39. Which of the following is not a method for water conservation?
a) Rain water harvesting
b) Ground water extraction
c) Improving irrigation efficiency
d) Avoiding water wastage.
40. What is the permissible range of pH for drinking water as per the Indian standards?
a) 6 – 9
b) 6 – 8.5
c) 6.5 – 7.5
d) 6.5 to 8.5

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CBCS Scheme

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Question Paper Version : A

First/Second Semester B.E Degree Examination, June / July 2017**Environmental Studies****(COMMON TO ALL BRANCHES)**

Time: 2 hrs.]

[Max. Marks: 40

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the forty 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. The term environment has been derived from French word which means to encircle or surround.
 a) Environ b) Oikor c) Geo d) Aqua
2. Which of the following component of the environment are effective transport of matter?
 a) Atmosphere and hydrosphere b) Atmosphere and Lithosphere
 c) Hydrosphere and Lithosphere d) Lithosphere and hydrosphere.
3. Which of the following is a biotic component of an ecosystem:
 a) Fungi b) Solar light c) Temperature d) Humidity
4. The sequence of eating and being eaten in an ecosystem is called,
 a) Food chain b) Carbon cycle c) Hydrological cycle d) None of these
5. Primary consumer is,
 a) Herbivores b) Carnivores c) Macro consumer d) Omni vores
6. The Major atmospheric gas layer in stratosphere is,
 a) Hydrogen b) Carbon dioxide c) Ozone d) Oxygen

22. Biogas is gaseous fuel composed mainly of,
 a) Methane and carbon dioxide b) Methane and hydrogen sulphide
 c) Methane and Carbon monoxide d) None of these
23. Reduction in brightness of the famous Taj Mahal is due to,
 a) Global warming b) Air pollution c) Ozone depletion d) Afforestation
24. Ozone layer thickness is measured in,
 a) PPM b) PPB c) Decibels d) Dobson units
25. Bhopal gas tragedy caused due to leakage of,
 a) Methyl Iso Cyanate b) Sulphur dioxide c) Hydrogen Sulphide d) Methane
26. Septic tank is,
 a) An aerobic attached growth treatment system
 b) An aerobic suspended growth biological treatment system
 c) An aerobic attached growth biological treatment system.
 d) An aerobic suspended growth treatment system.
27. Sound that is safest to the human ear should not exceed,
 a) 45 Db b) 125 Db c) 70 Db d) 85 Db
28. Scientific means of M.S.W management involves,
 a) Collection and transport b) Segregation
 c) Safe disposal d) All of these
29. Cow dung can be used,
 a) as manure b) for production of Bio gas
 c) as fuel d) All of these
30. Biomedical waste can be disposed off by,
 a) Incineration b) Autoclaving and Land filling
 c) Both (a) and (b) d) None of these
31. The objectives of Integrated Child Development Services (ICDS) are,
 a) Immunization b) Health check up and referral services.
 c) Pre-school non-formal education d) All of these
32. The international protocol to protect the ozone layer is,
 a) Montreal protocol b) The Vienna protocol
 c) Kyoto protocol d) Cartagena protocol
33. Environmental (protection) act was enacted in the year,
 a) 1986 b) 1992 c) 1984 d) 1974
34. The forest (conservation) act was enacted in the year,
 a) 1986 b) 1974 c) 1994 d) 1972

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- 35.** The leader of Chipko movement is,
a) Sunderlal Bahuguna b) Medha Patkar c) Vandana Shiva d) Suresh Hebliker
- 36.** Chernobyl Nuclear disaster occurred in the year,
a) 1984 b) 1985 c) 1986 d) 1987
- 37.** The computer driven system that permits storing and retrieving environmental information,
a) GIS b) Digital information c) Information technology d) None of these
- 38.** Bacteria that are commonly associated with root nodules are,
a) Rhizobium b) Bacillus c) Pseudomonas d) None of these
- 39.** Earth's fresh water reserves are about,
a) 2.6% b) 26% c) 0.26% d) 1.6%
- 40.** The Earth is believed to have come to existence some,
a) 3.5 billion years ago b) 4.5 billion years ago
c) 4.5 million years ago d) 5.5 million years ago

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USN

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Question Paper Version : A

First Semester B.E. Degree Examination, Dec.2015/Jan.2016

Environmental Studies
(COMMON TO ALL BRANCHES)

Time: 2 hrs.

Max. Marks:40

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the fourty questions, each question carries one mark.
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1. The word Environment is derived from,

a) Greek word	b) French	c) English	d) Spanish
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 2. A simple Detrius food chain starts with,

a) Green plants	b) Waste of organisms	c) Soil	d) None of these
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 3. Amount of fresh water availability on earth is,

a) 2.0 %	b) 3.5%	c) 2.2%	d) 0.6%
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 4. Anthropological activities means,

a) Natural activities	b) Bacterial activities
c) Wild animal activities	d) Human activities
 5. Intensive agriculture led to deposition of excessive quantity of _____ into aquatic & terrestrial ecosystem.

a) Sulphur	b) Nitrogen	c) Phosphours	d) None of these
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 6. Sustainable development requires change in,

a) Utilization of natural resources	b) Consumption of energy
c) Elimination of waste	d) All of these
 7. EIA can be expanded as,

a) Environment and Impact activities	b) Envircnmental impact assessment
c) Environment for agriculture	d) Envircnment for industrial act.
 8. The upper most layer of atmosphere is called,

a) Exosphere	b) Thermosphere	c) Measosphere	d) Atmosphere
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9. Carbon cycle involves,
a) Amonia, Nitrate & Prot:ens
b) Carbondioxide, water & Energy
c) Sulphur dioxide, sulphate
d) All of these
10. Dental caries in children may be caused due to water supplies deficient in,
a) Fluorides
b) Calcium
c) Nickel
d) Iron
11. As per BIS, the permissible limit of PH value of drinking water is,
a) 7.0
b) 6.5 – 7.5
c) 6.0 – 8.5
d) 6.5 – 8.5
12. India has the world's largest share of,
a) Manganese
b) Copper
c) Mica
d) Diamond
13. Cow dung can be used as,
a) Manure
b) Production of biogas
c) both a & b
d) None of these
14. Direct conversion of solar energy is attained by,
a) Solar photo voltaic system
b) Galvanic cells
c) Electrolytic cells
d) Hydrogen cells
15. Which of these is used as moderator in nuclear reactor,
a) Graphite
b) Helium gas
c) Heavy water
d) All of these
16. Mineral is a _____,
a) Organic matter
b) Synthetic compound
c) Naturally occurring inorganic substance
d) None of these
17. Smog is combination of,
a) Smoke and Fog
b) Snow and Fog
c) Smoke & Snow
d) All of these
18. Bhopal gas tragedy occurred due to the leakage of,
a) Sulphur dioxide
b) Methyl Isocynate
c) Methane gas
d) Coal ash
19. Noise is measured in which units?
a) Joule
b) dB
c) NTU
d) PPB
20. Which of the following compounds may be toxic to human beings?
a) Amino acids
b) Vitamins
c) Proteins
d) Polychlorinated bi-phenyls
21. World environmental day is celebrated every year on:
a) 5th May
b) June 5th
c) July 5th
d) 18th June
22. Population stabilization is essential for,
a) Sustainable development
b) Economic growth
c) Agricultural improvement
d) Industrial development.
23. As compared to 1960, net solid waste generation has,
a) Decreased because recycling programs are now in place.
b) Stayed the same despite rising population
c) Increased even with recycling programs in place.
d) None of these

24. Chlorine can be used,
 - a) To kill pathogenic micro organisms
 - b) To increase oxygen
 - c) To clear turbidity
 - d) All of these
25. The diesel vehicles pollute environmental largely through,
 - a) NO
 - b) Co
 - c) Hydro carbons
 - d) All of these
26. Acid rain increase day by day due to,
 - a) Urbanization
 - b) Hydropower plants
 - c) Industrialization
 - d) Increase in vehicles
27. International protocol to protect the ozone layer is,
 - a) Kyoto protocol
 - b) Montereal protocol
 - c) Vienna protocol
 - d) Basal protocol
28. The major cause of global population growth in the 18 and 19 centuries was,
 - a) Decrease in Death rate
 - b) Decrease in birth rate
 - c) Industrial revolution
 - d) None of these
29. The term Acid rain was first referred in the year,
 - a) 1972
 - b) 1978
 - c) 1852
 - d) 1872
30. Global atmospheric temperature likely to be increased due to,
 - a) Water pollution
 - b) Burning fossil fuel
 - c) Soil erosion
 - d) Noise pollution
31. Ozone hole was first discovered over,
 - a) Arctic
 - b) Tropical region
 - c) Antarctica
 - d) Africa
32. Freons are,
 - a) CFC
 - b) HFC
 - c) NFC
 - d) Hydrocarbon
33. Components of GIS,
 - a) Software
 - b) Hardware
 - c) Data
 - d) All of these
34. Electromagnetic radiation propagate energy with a velocity of,
 - a) 3×10^8 m/sec
 - b) 3.3×10^8 m/sec
 - c) 0.3×10^8 m/sec
 - d) 5.0×10^{-8} m/sec
35. Remote sensing is a,
 - a) Sensor system
 - b) Satellite system
 - c) Ground segments
 - d) All of these
36. Karnataka state pollution control board was established in the year,
 - a) 1974
 - b) 1982
 - c) 1986
 - d) 1990
37. Objectives of wild life Act 1972 of India is,
 - a) Preserve the biodiversity
 - b) Protection and conservation of wild life
 - c) To maintain essential ecological life supporting
 - d) All of these
38. Which one is a NGO?
 - a) CPCB
 - b) Narmada Bachao Andolan
 - c) KSPCB
 - d) None of these
39. The leader of Chipko movement is,
 - a) Sunderlal Bahuguna
 - b) Medha Patkar
 - c) Vandana Shiva
 - d) Suresh Heblikar
40. Environmental (Protection) Act was enacted in the year.
 - a) 1992
 - b) 1999
 - c) 1986
 - d) 1972

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CBCS Scheme

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Question Paper Version : A

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

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

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1. Which of the following conceptual spheres of the environmental is having the least storage capacity for matter?
a) Atmosphere
b) Lithosphere
c) Hydrosphere
d) Biosphere
 2. Biosphere is,
a) The solid shell of inorganic materials on the surface of the earth.
b) The thin shell of organic matter on the surface of each comprising of all the living things.
c) The sphere which occupies the maximum volume of all the spheres.
d) All of the above.
 3. The earth's atmosphere is an envelope of gases present upto a height of about _____ kms.
a) 10
b) 200
c) 1000
d) 2000
 4. Primary consumer is,
a) Herbivores
b) Carnivores
c) Macro consumers
d) Omnivores
 5. World environmental day is on,
a) 5th May
b) 5th June
c) 18th July
d) 16th August

6. Green revolution is,
 - a) Crop variety improvements
 - b) Increased use of fertilizers
 - c) Expansion of irrigation
 - d) All of these
7. Environmental is the life support system that includes,
 - a) Air
 - b) Water
 - c) Land
 - d) All of these
8. The largest reservoir of nitrogen in our planet is,
 - a) Oceans
 - b) Atmosphere
 - c) Biosphere
 - d) Fossil fuels
9. Land conversion through burning of biomass releases,
 - a) O₂
 - b) CO
 - c) N₂
 - d) SO₂
10. The movement of carbon between _____ is called carbon cycle,
 - a) Atmosphere and biosphere
 - b) Atmosphere and hydrosphere
 - c) Geosphere and atmosphere
 - d) Biosphere, atmosphere, hydrosphere and geosphere
11. The ground water depends on,
 - a) Amount of rain fall
 - b) Geological formations
 - c) Run off
 - d) All of these
12. The important three minerals mined into the maximum extent are,
 - a) Coal, petroleum and mercury
 - b) Coal, Petroleum and Iron
 - c) Petroleum, Radium and Xenon
 - d) Helium, Xenon and Coal
13. Respiration and photosynthesis are the keywords related to,
 - a) Nitrogen cycle
 - b) Sulphur cycle
 - c) Carbon cycle
 - d) Hydrological cycle.
14. Mining means,
 - a) To conserve and preserve minerals
 - b) To check pollutions due to mineral resources
 - c) To extract minerals and ones
 - d) None of these
15. The most important fuel used by nuclear power plant is,
 - a) V-235
 - b) V-238
 - c) V-245
 - d) V-248
16. The pH value of the acid rain water is,
 - a) 5.7
 - b) 7.0
 - c) 8.5
 - d) 7.5
17. Which of the following is not a Green house gas?
 - a) Hydro chloroflourocarbons
 - b) Methane
 - c) CO₂
 - d) SO₂

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18. E.I.A can be expanded as,
a) Environment and Industrial Act
b) Environment and impact activities
c) Environment Impact Assessment
d) Environment Important Activity
19. The environmental (protection) act 1986 deals with:
a) Water
b) Air
c) Soil
d) All of these
20. The first of the major environmental protection act to be promulgated in India was:
a) The wild life protection act
b) The air act
c) The noise pollution act
d) None of these
21. The meaning of global warming is,
a) Increase in the temperature of climate
b) A planet hotter than earth
c) Solar radiation
d) Cooling effect
22. Biogas is produced by,
a) Microbial activity
b) Harvesting crop
c) Both (a) and (b)
d) None of these
23. Biomass consists of,
a) Lignin
b) Hemi cellulose
c) Cellulose
d) All of these
24. Petroleum based vehicles emit traces of,
a) CO and NO_x
b) SPM
c) Aldehydes
d) CH₄
25. Urbanization is,
a) Local environmental issue
b) National environmental issue
c) Both (a) and (b)
d) Not at all an issue
26. Noise pollution limits in industrial area,
a) 45 dB
b) 80 dB
c) 65 dB
d) 90 dB
27. Ozone layers absorbs,
a) UV rays
b) Infrared rays
c) Cosmic rays
d) CO
28. Water logging is a phenomenon in which,
a) Crop patterns are related
b) Plant nutrients
c) Erosion of soil
d) None of these
29. The natural nitrogen cycle is upset due to,
a) Burning of fossil fuel
b) Modern agricultural practice of releasing excess fertilization.
c) Global warming
d) Biogas production

30. Which of the following are natural sources of air pollution?
 - a) Volcanic eruption
 - b) Solar flair
 - c) Earthquake
 - d) All of these
31. Air pollution from automobiles can be controlled by fitting,
 - a) Electrostatic precipitator
 - b) Wet scrubber
 - c) Catalytic converter
 - d) All of these
32. Both power and manure provided by,
 - a) Nuclear plants
 - b) Thermal plants
 - c) Biogas plants
 - d) Hydroelectric plants
33. BOD means,
 - a) Biochemical oxygen demand
 - b) Chemical oxygen demand
 - c) Biophysical oxygen demand
 - d) All of these
34. Deforestation can,
 - a) Increase the rain fall
 - b) Increase soil fertility
 - c) Introduce silt in the rivers
 - d) None of these
35. Organic farming is,
 - a) Farming without using pesticides and chemical fertilizers
 - b) Enhances biodiversity.
 - c) Promotes soil biological activity.
 - d) All of these.
36. Chloro Fluro Carbon's (CFC) are,
 - a) Non toxic
 - b) Non flammable
 - c) Non carcinogenic
 - d) All of these
37. Which of the following statement is true?
 - a) Green plants are self nourishing
 - b) Producers depends on consumers
 - c) Biotic components includes all non-living components
 - d) Herbivores depend on Carnivores.
38. Major purpose of most of the Dams around the world is,
 - a) Power generation
 - b) Drinking water supply
 - c) Flood control
 - d) Irrigation.
39. Major causes of deforestation are,
 - a) Shifting cultivation
 - b) Fuel requirements
 - c) Raw materials for industries
 - d) All of these
40. Smog is,
 - a) A natural phenomenon
 - b) Combination of smoke and fog
 - c) Colorless
 - d) All of these

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CBCS Scheme

USN

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First/Second Semester B.E Degree Examination, Dec.2017/Jan.2018
Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the forty 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.

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1. The objective of environmental education is
 - a) Raise consciousness about environmental conditions
 - b) To teach environmentally appropriate behaviour
 - c) Create an environmental ethic
 - d) All of the above.
 2. Which of the following is a biotic component of an ecosystem?
 - a) Fungi
 - b) Solar light
 - c) Temperature
 - d) humidity.
 3. In complex ecosystems the degree of species diversity is
 - a) Poor
 - b) High
 - c) Medium
 - d) None.
 4. Which of the following statement is false
 - a) Inorganic nutrients are recycled in an ecosystem
 - b) Energy "flows" through the ecosystem in the form of carbon-carbon bonds
 - c) Energy is recycled in an ecosystem
 - d) Respiration process releases energy.
 5. In an ecosystem biological cycling of materials is maintained by
 - a) Procedure
 - b) Consumer
 - c) Decomposer
 - d) All of the above.

6. A predator is
 - a) An animal that is fed upon
 - b) An animal that feeds upon another animal
 - c) Animal that feeds upon both plants and animals
 - d) A primary consumer.
7. Ozone concentration is relatively more in
 - a) Mesosphere
 - b) Stratosphere
 - c) Staticsphere
 - d) Atmosphere.
8. World environmental day is on
 - a) 5th May
 - b) 5th June
 - c) 15th June
 - d) 15th May.
9. EIA can be expanded as
 - a) Environment of Industrial Act
 - b) Environment Important Act
 - c) Environment Impact Assessment
 - d) Economic Industrial Act.
10. Major purpose of most of the dams are
 - a) Power generation
 - b) Drinking
 - c) Flood control
 - d) Irrigation.
11. Eutrophication is related to
 - a) Water
 - b) Soil
 - c) Air
 - d) Land.
12. Water logging is effect of modern
 - a) Industries
 - b) Agriculture
 - c) Population
 - d) Education.
13. Bioremediation means removal of contaminates by
 - a) Mining
 - b) Super bugs
 - c) Air
 - d) Water.
14. Nitrate contamination causes
 - a) White baby syndrom
 - b) Blue baby syndrom
 - c) Green baby syndrom
 - d) Black baby syndrom
15. Out of the following nutrients in fertilizers which one causes minimum water pollution
 - a) Nitrogen
 - b) Phosphorous
 - c) Potassium
 - d) Organic matter.
16. Fluorosis is caused due to
 - a) Chlorine
 - b) Fluoride
 - c) Feldspar
 - d) Farming.
17. Hepatitis is caused by
 - a) Hepata worm
 - b) Virus
 - c) Amoeba
 - d) Fungus.
18. Chernobyl disaster occurred in the year
 - a) 1986
 - b) 2006
 - c) 2011
 - d) 1947.

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19. Fukushima disaster is a
a) Heavy metal disaster
b) Nuclear disaster
c) Atom bomb disaster
d) Pesticide disaster.
20. A country without a single nuclear power plant is
a) China
b) USA
c) Australia
d) France.
21. Which of the following is more ecofriendly source of producing energy
a) Biogas
b) Coal
c) Fuel cells
d) Hydel
22. Electromagnetic radiation can cause
a) Plague
b) Dengue
c) Cancer
d) Malaria.
23. Wind farms are located in
a) River basin
b) Plain areas
c) Hilly areas
d) Forest areas.
24. Natural gas contains
a) Methane
b) Oxygen
c) Nitrogen
d) Sulphur.
25. The source of electromagnetic radiation is
a) Magnetics
b) Electrons
c) Sun
d) Earth.
26. Which of the following sources is surface water
a) Springs
b) Streams
c) Wells
d) all.
27. Which of the following is an air pollutant
a) CO
b) O₂
c) N₂
d) all.
28. Smog in London was due to
a) SO₂ and NO₂
b) CO₂ and CO
c) Methane and ethane
d) Water and air.
29. Which of the following are Non-biodegradable
a) Plastics
b) Domestic sewage
c) Detergent
d) a and c
30. Endosulfan is a
a) Organism
b) Institution
c) Pesticide
d) River
31. Minamata disease is caused due to
a) Lead
b) Copper
c) Mercury
d) Arsenic.
32. World's single largest class of refugees is due to
a) War
b) Earthquake
c) Tsunami
d) Environmental degradation.

33. Noise pollution limits at airport area
a) 65dB b) 120dB c) 240dB d) 600dB.
34. Blaring sounds are known to cause
a) Metal distress b) Deafness
c) Neurological problems d) All the above.
35. Increase in asthma attacks has been linked to high levels of
a) Soil borne pesticides b) Air borne dust pesticides
c) CO₂ d) Green house gases.
36. Population explosion will cause
a) Biodiversity b) Stress on the ecosystem
c) Better communication d) Energy storage.
37. The Protocol that reduces green house gas emissions are
a) Kyoto protocol b) Cartagena protocol
c) Montreal Protocol d) Delhi protocol.
38. Global warming could affect
a) Climate b) Increase in sea level c) Melting of glaciers d) All of the above.
39. Primary cause of acid rain around the world is due to
a) CO₂ b) CO c) SO₂ d) O₃.
40. Reduction in brightness and the famous Taj Mahal is due to
a) Global warming b) Green house gases
c) Ozone deflection d) Air pollution.

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