

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

7. A food web consists of,
 - a) a portion of a food chain
 - b) an organisms position in a food chain
 - c) Interlocking of food chain
 - d) a set of similar consumer
8. India has a world's largest share of which of the following:
 - a) Manganese
 - b) Mica
 - c) Copper
 - d) Diamond
9. Major purpose of most of the dams around the world is,
 - a) Power generation
 - b) Irrigation
 - c) Drinking water supply
 - d) Flood control
10. The Permissible range of pH for drinking water as per the Indian standard,
 - a) 6 to 9
 - b) 6.5 to 7.5
 - c) 6 to 8.5
 - d) 6.5 to 8.5
11. Excess of fluorides in drinking water is likely to cause,
 - a) Blue babies
 - b) Fluorosis
 - c) Taste and Odour
 - d) Colour
12. The largest reservoir of nitrogen on our planet is,
 - a) Ocean
 - b) Atmosphere
 - c) Biosphere
 - d) Fossil fuels
13. Mining means,
 - a) Conserve and Preserve minerals
 - b) Check pollution due to mineral resource
 - c) Extract minerals and ores
 - d) None of these
14. E.I.A can be expanded as,
 - a) Environment and Industrila act
 - b) Environmental Impact activity
 - c) Environmental Impact Assessment
 - d) Environmentally important activity.
15. "Earth Day" is held every year on,
 - a) June 5th
 - b) November 23rd
 - c) April 22nd
 - d) May 16
16. Water logging is a phenomena in which,
 - a) Crop patterns are rotated
 - b) Soil root zone becomes saturated due to over irrigation,
 - c) Erosion of soil
 - d) None of these
17. Which of the following is considered as an alternate fuel?
 - a) CNG
 - b) Kerosine
 - c) Coal
 - d) Petrol
18. Wind Farms are located in,
 - a) River basin
 - b) Plain area
 - c) Hilly area
 - d) Valley area
19. Hydrogen energy can be tapped through,
 - a) Heat pumps
 - b) Fuel cells
 - c) Photovoltaic cell
 - d) Gasifier
20. With Minimum resource maximum energy can be created by,
 - a) Solar radiation
 - b) Wind
 - c) Nuclear fuels
 - d) Tidal waves
21. Nuclear fusion uses the following as a fuel,
 - a) Carbon
 - b) Helium
 - c) Hydrogen
 - d) Water

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

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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CBCS Scheme

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Question Paper Version : B

First/Second Semester B.E Degree Examination, June / July 2017 Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

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1. Which of the following is considered as an alternate fuel?
 a) CNG b) Kerosine c) Coal d) Petrol
2. Wind Farms are located in,
 a) River basin b) Plain area c) Hilly area d) Valley area
3. Hydrogen energy can be tapped through,
 a) Heat pumps b) Fuel cells c) Photovoltaic cell d) Gasifier
4. With Minimum resource maximum energy can be created by,
 a) Solar radiation b) Wind c) Nuclear fuels d) Tidal waves
5. Nuclear fusion uses the following as a fuel,
 a) Carbon b) Helium c) Hydrogen d) Water
6. Biogas is gaseous fuel composed mainly of,
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 c) Methane and Carbon monoxide d) None of these

7. Reduction in brightness of the famous Taj Mahal is due to,
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8. Ozone layer thickness is measured in,
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12. Scientific means of M.S.W management involves,
 a) Collection and transport b) Segregation
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26. Which of the following component of the environment are effective transport of matter?
a) Atmosphere and hydrosphere b) Atmosphere and Lithosphere
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27. Which of the following is a biotic component of an ecosystem:
a) Fungi b) Solar light c) Temperature d) Humidity
28. 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
29. Primary consumer is,
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30. The Major atmospheric gas layer in stratosphere is,
a) Hydrogen b) Carbon dioxide c) Ozone d) Oxygen
31. A food web consists of,
a) a portion of a food chain b) an organisms position in a food chain
c) Interlocking of food chain d) a set of similar consumer
32. India has a world's largest share of which of the following:
a) Manganese b) Mica c) Copper d) Diamond
33. Major purpose of most of the dams around the world is,
a) Power generation b) Irrigation c) Drinking water supply d) Flood control
34. The Permissible range of pH for drinking water as per the Indian standard,
a) 6 to 9 b) 6.5 to 7.5 c) 6 to 8.5 d) 6.5 to 8.5

35. Excess of fluorides in drinking water is likely to cause,
a) Blue babies b) Fluorosis c) Taste and Odour d) Colour
36. The largest reservoir of nitrogen on our planet is,
a) Ocean b) Atmosphere c) Biosphere d) Fossil fuels
37. Mining means,
a) Conserve and Preserve minerals b) Check pollution due to mineral resource
c) Extract minerals and ores d) None of these
38. E.I.A can be expanded as,
a) Environment and Industrila act b) Environmental Impact activity
c) Environmental Impact Assessment d) Environmentally important activity.
39. "Earth Day" is held every year on,
a) June 5th b) November 23rd c) April 22nd d) May 16
40. Water logging is a phenomena in which,
a) Crop patterns are rotated b) Soil root zone becomes saturated due to over irrigation,
c) Erosion of soil d) None of these

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CBCS Scheme

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Question Paper Version : C

First/Second Semester B.E Degree Examination, June / July 2017 Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

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3. The leader of Chipko movement is,
a) Sunderlal Bahuguna b) Medha Patkar c) Vandana Shiva d) Suresh Hebliker
4. Chernobyl Nuclear disaster occurred in the year,
a) 1984 b) 1985 c) 1986 d) 1987
5. The computer driven system that permits storing and retrieving environmental information,
a) GIS b) Digital information c) Information technology d) None of these
6. Bacteria that are commonly associated with root nodules are,
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7. Earth's fresh water reserves are about,
a) 2.6% b) 26% c) 0.26% d) 1.6%

8. The Earth is believed to have come to existence some,
 a) 3.5 billion years ago b) 4.5 billion years ago
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9. Which of the following is considered as an alternate fuel?
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10. Wind Farms are located in,
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11. Hydrogen energy can be tapped through,
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12. With Minimum resource maximum energy can be created by,
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CBCS Scheme

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Question Paper Version : D

First/Second Semester B.E Degree Examination, June / July 2017 Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 40

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