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BMS College of Engineering, Bangalore-560019

(Autonomous Institute, Affiliated to VTU, Belgaum)

January 2017 Semester End Make Up Examinations

Course: ENVIRONMENTAL STUDIES

Course Code: 14HSIICEVS

Duration: 3 hrs

Max Marks: 100

Date: 18.01.2017

Instructions: 1) **PART -A** is Compulsory, answer any **THREE** full questions from **PART-B**.
2) Draw neat figures wherever necessary.

PART – A

- 1 World summit on sustainable development was held in – 1x40=40
a) Johannesburg in 2002 b) Rio de Janeiro
c) Kyoto in 1904 d) Stockholm in 2000
- 2 What is the permissible range of pH for drinking water as per the Indian Standards?
a) 6 to 9 b) 6.5 to 7.5 c) 6 to 8.5 d) 6.5 to 8.5.
- 3 An important NGO involved in Global environmental protection is –
a) UNICEF b) GREEN PEACE c) WHO d) CPCB.
- 4 Chernobyl nuclear disaster occurred in the year?
a) 1984 b) 1952 c) 1986 d) 1987
- 5 Major sources of Fluoride are –
a) River water b) Toothpaste c) Ground water d) Food products.
- 6 Biomass energy in green plants produced -
a) CO₂ b) Water c) Sunlight d) SO₂.
- 7 The specific gravity of inner core of the earth is
- 8 is the most environmental friendly agriculture practice.
- 9 Which of the following is not a part of the hydrological cycle?
a) Precipitation b) Transpiration c) Perspiration d) Infiltration.
- 10 Global warming may bring about the following changes in the climate of the earth –
a) Increase in the rainfall b) Desertification c) Drought d) All of the above.
- 11 The protocol that reduces greenhouse gas emissions are –
a) Kyoto protocol b) Cartagena protocol
c) Montreal protocol d) Vienna protocol.

- 12 The pH value of acid rain is –
a) less than 5.7 b) 7.0 c) 8.5 d) greater than 7.5
- 13 The committee which submitted its report to Govt. of India on Environmental education is
- 14 Air pollution from automobiles can be controlled by fitting –
a) Electrostatic precipitator b) Wet scrubber
c) Catalytic converter d) All of the above
- 15 Bhopal gas tragedy caused due to the leakage of –
a) Methyl Iso-cyanide (MIC) b) Sulphur dioxide
c) Mustard gas d) Methane
- 16 Population explosion will cause –
a) Biodiversity b) Stress on ecosystem c) More employment d) None of these
- 17 The objective of environmental education is –
a) Raise consciousness about environmental conditions
b) To teach environmental appropriate behavior
c) Create an environmental ethic
d) All of the above.
- 18 The sequence of eating and being eaten in an ecosystem is called.....
- 19 Ozone layer thickness is measured in –
a) PPM b) PPB c) Decibels d) Dobson units.
- 20 The maximum population size that an ecosystem support under particular environmental conditions is known as.....
- 21 The basic requirements of the human beings are provided by –
a) Industries b) Agriculture c) Nature d) Horticulture
- 22 Green revolution is a –
a) Crop variety improvement b) Increased uses of fertilizers
c) Expansion of irrigation d) All of the above.
- 23 The major atmospheric gas layer in stratosphere is –
a) Hydrogen b) CO₂ c) Ozone d) Helium.
- 24 Effect of acid rain is –
a) Reduces soil fertility b) Increases atmospheric temperature
c) Causing respiratory problems d) Skin cancer.

- 25 Excess fluoride in drinking water is likely to cause –
a) Blue baby Syndrome b) Fluorosis c) Taste and odor d) Intestinal irritation.
- 26 The ideal forest cover in relation to total land area is %
a) 55 b) 33 c) 80 d) 19
- 27 ISO14000 standards deal with
a) Environmental Management b) Water Management
c) Forest Management d) Air Pollution
- 28 Which of the following is the problem not associated with population growth –
a) Increase resource consumption b) Environmental pollution
c) Food and energy shortages d) None of these
- 29 The largest reservoir of nitrogen in our planet is –
a) Oceans b) Atmosphere c) Biosphere d) Fossil fuels.
- 30 Mina Mata episode of Japan is due to the poisoning of –
a) Lead b) Nickel c) Mercury d) Cadmium
- 31 April 22nd is observed as –
a) Environmental day b) Biodiversity day c) Earth day d) World Ozone day
- 32 Greenhouse gas emission from burning fuel in automobiles is around----%
a) 16 b) 10 c) 20 d) 5
- 33 India is the world's largest producer ofmineral.
- 34 World Ozone day is being celebrated on September 16th of every year.
(True / False)
- 35 The progressive accumulation of some non-biodegradable chemicals through the food chain is known as
- 36 In an aquatic ecosystem phytoplankton is considered as consumer. True / False
- 37 Physical pollution of water is due to –
a) Turbidity b) Dissolved Oxygen c) BOD d) None of the above.
- 38 Which of the following country was the first in the world to start family planning?
a) India b) China c) America d) None of these.
- 39 The study of interaction between living organisms and environment is called –
a) Environmental science b) Atmosphere c) Ecology d) Ecosystem
- 40 Which is the outermost part of the earth

PART – B

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|---|----|---|-----------|
| 1 | a) | Define an Environment? Explain the composition and structure of Atmosphere | 10 |
| | b) | Discuss the following – | 05 |
| | | i) Modern Agriculture and its impact on Environment. | 05 |
| | | ii) Impact of Housing activities on Environment. | |
| 2 | a) | With a neat flow chart explain the methodology of Environmental Impact Assessment | 10 |
| | b) | Discuss the following | 05 |
| | | i) Benefits and effects of dams on environment | 05 |
| | | ii) Water borne and water induced diseases. | |
| 3 | a) | Explain the environmental impacts of Mining. | 07 |
| | b) | What do you mean by Deforestation? Discuss its causes. | 07 |
| | c) | Discuss the effects of Population growth on Sustainable development | 06 |
| 4 | a) | Discuss various types of land pollution with its causes and solutions. | 08 |
| | b) | Explain acid rain and its impacts, how can we avoid ozone layer depletion | 05 |
| | c) | Briefly describe the causes and effects of Global Warming. | 07 |
