## Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - - ENVIRONMENTAL SCIENCE Course Code - EVS201

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DIP.EE

DIP.ME

\_ .. . \_ \_

- PGDHM
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- M.A.(JMC)
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- M.SC.(MB)
- MCA
- M.SC.(MSJ)
- M.SC.(AM)
- M.SC.CS)
- M.SC.(ANCS)
- M.SC.(MM)
- B.A.(Eng)

Answer all the questions. Each question carry one mark.

9. 1. Which one is secondary pollutant?

- Smog
  PAN
  Ozone
- All of the above

10. 2. The name of the disease that occurs due to mercury pollution is

Mark only one oval.

Minamata disease

- Skin cancer
- Ouch ouch disease
- Kidney damage
- 11. 3. Montreal Protocol is related to

Mark only one oval.

- Land pollution
- Noise Pollution
- Production and use of CFCs
- Increase of population
- 12. 4. Ozone acts as a protective shield when it resides in

Mark only one oval.

Mesosphere

- Stratosphere
- Thermosphere
- Troposphere

13. 5. The audio range of human is

Mark only one oval.

20-20,000 Hz

- 200-20,000 Hz
- 2000-5000 Hz
- 500-5500 Hz
- 14. 6. A biotic factor of eco-system is

Mark only one oval.

- Sunlight
- \_\_\_\_ Wind
- Tree
- 15. 7. Ozone hole in Antarctica is due to

Mark only one oval.

Methane
CFC
Carbon dioxide
Nitrogen

16. 8. Grassland ecosystem is occupied by nearly...... of Earth surface

Mark only one oval.

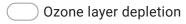


17. 9. The most potentially renewable energy resource is

Mark only one oval.

$\subset$	Sunlight
$\subset$	Wind
$\subset$	Tidal energy
(	Biomass

18. 10. Kyoto Protocol is related to



- 📃 Green house gases
- SPM
- Water pollution

19. 11. Itai itai disease occurs due to

Mark only one oval.

Arsenic pollution

- Lead pollution
- Mercury pollution
- Cadmium pollution
- 20. 12. Which one is primary pollutant?

Mark only one oval.

- Carbon monoxide
- Ozone
- Smog
- 21. 13. Lithosphere means

Mark only one oval.

Air

🔵 Organisms

🔵 Water

Rocks and soils

#### 22. 14. The loss of chlorophyll causing yellowing of leaf is

Mark only one oval.

Chlorosis

- Photosynthesis
- 🔵 Cholera
- 23. 15. pH of the acid rain varies between

Mark only one oval.



24. 16. A lake rich of nutrient is called

Mark only one oval.

Oligotrophic lake

Mesotrophic lake

- Eutrophic lake
- Aziotrophic lake

## 25. 17. The non-renewable energy resource is

Mark only one oval.

$\bigcirc$	Sunlight
$\bigcirc$	Wind
$\bigcirc$	Wildlife
$\bigcirc$	Fossil fuels

26. 18. World Environment Day is observed every year on

Mark only one oval.

June 5	(
July 5	(
August 5	(
September 5	(

27. 19. The noise threshold limit values for 16 hours is

Mark only one oval.



110 dB

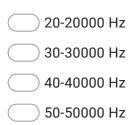
#### 28. 20. The audio sense of human is most sharp in the range

Mark only one oval.

500-700 Hz

- 1000-1500 Hz
- 1500-2000 Hz
- 2000-5500 Hz
- 29. 21. A young 18 year old person has the audio range between

Mark only one oval.



30. 22. In what medium sound can propagate fast?

Mark only one oval.

Gas Gas

\_\_\_\_ Liquid

📃 Water

31. 23. A person might be killed if the sound is

Mark only one oval.

120 dB
 140 dB
 130 dB
 150 dB

32. 24. The physical component of eco-system is

Mark only one oval.

- Carbon
- Oxygen
- Nitrogen
- 33. 25. Forest mainly have

- Protective function
- Productive function
- Accessory function
- All of the above

34. 26. Which pyramid is always an upright one?

Mark only one oval.

Pyramid of energy

Pyramid of number

- Pyramid of biomass
- Pyramid of number and biomass
- 35. 27. Which form of nitrogen is taken by plant?

Mark only one oval.

- Nitrate
- 🔵 Nitrite
- 🔵 Nitrogen
- Both nitrate and nitrite
- 36. 28. The Montreal protocol is related to

- Land pollution
- Atmospheric pollution
- Water pollution
- Noise pollution

#### 37. 29. The maximum quantity of fresh water occurs in

Mark only one oval.

Rivers
 Ground water
 Polar ice caps and glaciers

- Sea water
- 38. 30. Which one of the following can be used for disinfection of water?

Mark only one oval.

Chlorine	
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- Ozone
- Hydrogen peroxide
- Both chlorine and ozone

## 39. 31. Eutrophication means

- Thermal change of water
- Filling up of water bodies with aquatic plants due to extra nutrient
- Filling up of water bodies with aquatic plants due to less nutrient
- 🔵 Solid waste

40. 32. BOD means

Mark only one oval.

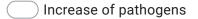
Biological oxygen demand

- Biochemical oxygen demand
- Biggest oxygen demand
- Bio oxygen dissolved
- 41. 33. Which of the following is not biodegradable?

Mark only one oval.

$\square$	Polythene
$\square$	Cotton
$\square$	Vegetable waste
$\square$	Wood

42. 34. Contaminated water causes disease due to



- Increase of BOD
- Increase of COD
- Increase of DO

43. 35. Biotic factor is related to

Mark only one oval.

Living organisms

- Non living organisms
- Both living and nonliving organisms
- Fungus
- 44. 36. Energy flow in an ecosystem is

Mark only one oval.



- Cyclic
- May be unidirectional or cyclic depending on condition
- Can not be said
- 37. The main component of photochemical smog 45.

- Water vapour
- Sulphur dioxide
- Oxides of nitrogen
- Chlorine

#### 46. 38. The most toxic chemical as carcinogen is

Mark only one oval.

Carbon tetrachloride

- Vinyl chloride
- Tetrachloro ethylene
- Trichloro ethylene
- 47. 39. In BOD test the BOD bottles are stoppered to

## Mark only one oval.

- Prevent mixing of carbon dioxide
- Prevent mixing of ozone
- Prevent mixing of oxygen
- Prevent mixing of inert gases
- 48. 40. The best method of disposal of nonhazardous solid waste is

- Open dumping
- Sanitary land filling
- Incineration
- Composting

## 49. 41. Effect of noise pollution is mainly on

Mark only one oval.

Physical health

Mental health

Heart rate

All of the above

50. 42. Examples of second trophic level organism is

Mark only one oval.

Plant

Small fish

\_\_\_\_\_ Tiger

Lion

51. 43. Example(s) of conventional type of renewable resources may be

Mark only one oval.

PlantWildlife

Aquaculture

All of the above

#### 52. 44. The unit of measuring hardness is

Mark only one oval.



53. 45. The Sunderban mangrove forest in west Bengal is located in the district of

Mark only one oval.



54. 46. With increase in temperature the DO in water

## Mark only one oval.

Decreases

Increases

Remains same

Can not be predicted

# 55. 47. Which of the following type(s) of Personal Protective Equipment (PPE) is frequently used?

Mark only one oval.

- Safety glasses
- Gloves
- 🔵 Lab Coats
- All of the options are true
- 56. 48. The species used as screening of chemicals.

Mark only one oval.

( ) Zebra fish
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- 📄 Folsomia candida
- Enchytraeus albidus
- 🔵 Cat Fish
- 57. 49. Eco-toxicology is the study of

- Physical interactions of organism and environment
- Thermal interactions of organism and environment
- Biological interactions of organism and environment
- Chemical interactions of organism and environment

58. 50. Identify the correct statement regarding the Electrostatic precipitator

Mark only one oval.

- Minimum particle size removal is <0.5µm
- They can be operated at high temperature
- It has a low maintenance cost
- It does not cause any freezing problem
- 59. 51. Which of the following air pollution control device has maximum efficiency?

Mark only one oval.

- Spray tower
- Wet cyclonic scrubber
- Dynamic precipitator
- Electrostatic precipitator
- 60. 52. What does PAH stand for ?

- Polyethylene Acetic Hydride
- Polycyclic Acetic Hydrocarbons
- Polynuclear Aromatic Hydrocarbons
- Polyethylene Acyclic Hydride

## 61. 53. What percentage of pollutants is gaseous in nature?

Mark only one oval.



62. 54. Toxic gases such as H2S, nitrogen oxides causes

Mark only one oval.

- Slow harm to body
- Not sure about speed of action
- Immediate harm to body
- No harm of the body
- 63. 55. VOC stands for

- Volatile organic components
- Varying organic components
- Varying organic components
- Virtual organic carriage

#### 64. 56. Which of the following is pathological waste product?

Mark only one oval.

Blood

- Chemicals used in hospital
- 🔵 Saline
- Blood and stains
- 65. 57. What do you mean by Genotoxic Waste?

Mark only one oval.

- Any drugs
- Cytotoxic drugs
- Chemotherapeutic drugs
- All medicines
- 66. 58. According to WHO medical wastes are divided into

- 8 types
- 6 types
- 5 types
- \_\_\_\_\_ 4 types

67. 59. Which of the following is more toxic for our body?

Mark only one oval.



68. 60. What do you mean by carcinogenic compound?

## Mark only one oval.

- The compound which can cause cancer
- The compound which can cause Tumor
- The compound which can cause fever
- The compound which can cause Mutation
- 69. 61. Sick building syndrome occurs in

- Students
- Office workers
- Traveler
- Common people

70. 62. From which component pollution occurs in Histopathology Laboratory?

Mark only one oval.

Wax Fixatives Stains and dyes

- Specimen and Formaline
- 71. 63. From which component pollution occurs in microbiology laboratory?

Mark only one oval.

- Plastic goods
- From microbes
- From chemicals
- 72. 64. Which radiation is most harmful?

Mark only one oval.

🔵 X ray

🕖 Gamma ray

UV ray

📃 Infra ray

73. 65. APTI is highest among these medicinal plants- Bauhinia variegata, Syzygium cumini, Emblica officinalis, Phyllanthus acidus, Aegle marmelos, Prosopis cineraria, and Vitex negundo and five fruit plant species such as Psidium guajava, Artocarpus heterophyllus, Manilkara zapota, Punica granatum, and Carica papaya -

Mark only one oval.

Emblica officinalis

- Syzygium cumini
- Artocarpus heterophyllus
- All statements are false
- 74. 66. Food pollution is commonly caused by

Mark only one oval.

Food colour Food chemicals

Pesticides with oil

Junk foods

75. 67. Indoor air pollution affects most-

- Mid aged people
- Old aged people
- Children
- Children and Old aged people

## 76. 68. What do you mean by APTI?

Mark only one oval.

- Air Pollution Time Index
- Air Pollution Type Index
- Air Pollution Technical Index
- Air Pollution Tolerance Index
- 77. 69. Which method is essential to reduce air pollution?

Mark only one oval.

- Soil removal
- Dust removal
- Plantation
- Formation of water plant
- 78. 70. The common cause of air pollution is

- Automobile pollution
- Noise
- Water pollution
- CO2 exhaustion from body

79. 71. What is nosocomial infection?

Mark only one oval.

- Market acquired infection.
- School acquired infection.
- Office acquired infection.
- Bospital acquired infection.
- 80. 72. Nosocomial infection is caused by

Mark only one oval.

- Pseudomonas sp.
   Staphylococcus sp.
   Streptococcus sp.
- Both 1 and 2.
- 81. 73. Which of the following chemical is used and kept in labs for surface disinfectant?



- Sodium oxychloride
- Sodium hypochlorite
- Alcohol

82. 74. By using photovoltaic cell solar energy can be converted into

Mark only one oval.

Thermal energy

- Mechanical energy
- Electrical energy
- Atomic energy
- 83. 75. The unit of measuring hardness is

Mark only one oval.

- \_\_\_\_ ppm
- \_\_\_\_ gm/ litre

\_\_\_\_ mole/ litre

🔵 mole/ kg

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