



# BRAINWARE UNIVERSITY

**Term End Examination 2021 - 22**

**Programme – Bachelor of Arts (Honours) in Multimedia & Web Development**

**Course Name – Environmental Studies**

**Course Code - ENV201**

**( Semester II )**

**Time allotted : 1 Hrs.30 Min.**

**Full Marks : 75**

[The figure in the margin indicates full marks.]

## Group-A

(Multiple Choice Type Question)

1 x 75=75

*Choose the correct alternative from the following :*

(1) Which one is not secondary pollutant?

- |          |                    |
|----------|--------------------|
| a) Smog  | b) PAN             |
| c) Ozone | d) CO <sub>2</sub> |

(2) The name of the disease that occurs due to mercury pollution is

- |                      |                  |
|----------------------|------------------|
| a) Minamata disease  | b) Skin cancer   |
| c) Ouch-ouch disease | d) Kidney damage |

(3) Montreal Protocol is related to

- |                               |                           |
|-------------------------------|---------------------------|
| a) Land pollution             | b) Noise Pollution        |
| c) Production and use of CFCs | d) Increase of population |

(4) Ozone acts as a protective shield when it resides in

- |                 |                 |
|-----------------|-----------------|
| a) Mesosphere   | b) Stratosphere |
| c) Thermosphere | d) Troposphere  |

(5)

The common unit of noise is

- |       |            |
|-------|------------|
| a) Kg | b) Hz      |
| c) gm | d) Decibel |

(6) Biotic factor of eco-system is

- |             |         |
|-------------|---------|
| a) Sunlight | b) Soil |
| c) Wind     | d) Tree |

(7) Grassland ecosystem is occupied by nearly..... of Earth surface

- |        |        |
|--------|--------|
| a) 21% | b) 50% |
| c) 70% | d) 80% |

(8) The coldest region of atmosphere is

- |                |                 |
|----------------|-----------------|
| a) Troposphere | b) Ionosphere   |
| c) Mesosphere  | d) Stratosphere |

- (9) Example of natural event that cause environmental degradation is
- Volcanic eruption
  - Earthquake
  - Cyclone
  - All of these
- (10) The major component of air is
- Nitrogen
  - Oxygen
  - Carbon dioxide
  - Water vapour
- (11) Bhopal gas tragedy occurred in
- December 1984
  - December 1983
  - July 1984
  - July 1983
- (12) Biomagnification means.....
- accumulation of a chemical by an organism from water and food exposure
  - accumulation of a chemical by an organism from air
  - accumulation of a chemical by an organism from laboratories
  - All of the above
- (13) To monitor the state level environmental issues and problems, Supreme court of India has established
- Green bench
  - Pollution Control Board
  - Department of Environment
  - Department of Biotechnology
- (14)
- Medha Patekar is related to
- Chipko Movement
  - Narmoda Bachao Movement
  - Operation Flood
  - Green revolution
- (15) Lithosphere means
- Air
  - Organisms
  - Water
  - Rocks and soils
- (16) The gas which is not responsible for greenhouse effect is
- Carbon monoxide
  - Hydrogen sulfide
  - Water vapour
  - Methane
- (17) The non-renewable energy resource is
- Sunlight
  - Wind
  - Wild-life
  - Fossil fuels
- (18) World Environment Day is observed every year on
- June 5
  - July 5
  - August 5
  - September 5
- (19) A scientist who studies interaction between plants and animals is
- A physicist
  - A chemist
  - A geologist
  - An ecologist
- (20) The noise threshold limit values for 16 hours is
- 80 dB
  - 100 dB
  - 90 dB
  - 110 dB
- (21) What is the unit of sound intensity (I)?
- $\text{Wm}^{-2}$
  - $\text{Nm}^{-2}$
  - dB
  - Ws
- (22) The audio sense of human is most sharp in the range
- 500-700 Hz
  - 1000-1500 Hz
  - 1500-2000 Hz
  - 2000-5500 Hz



- (37) Contaminated water causes disease due to
- a) Increase of pathogens
  - b) Increase of BOD
  - c) Increase of COD
  - d) Increase of DO
- (38) The important component of environment is
- a) Biosphere
  - b) Lithosphere
  - c) Atmosphere
  - d) All of these
- (39) Tree hugging movement is
- a) Chipko Andolan
  - b) Silent valley movement
  - c) Narmoda dam movement
  - d) Tehri dam movement
- (40) Drought can be classified as
- a) Metrological drought
  - b) Hydrological drought
  - c) Agricultural drought
  - d) All of the above
- (41) Density of water is maximum at
- a) 0°C
  - b) 4 °C
  - c) 100 °C
  - d) - 4 °C
- (42) Energy flow in an ecosystem is
- a) Unidirectional
  - b) Cyclic
  - c) May be unidirectional or cyclic depending on condition
  - d) Bidirectional
- (43) The main pathogen present in contaminated water is
- a) Bacteria
  - b) Algae
  - c) Protozoa
  - d) All of the these
- (44) In BOD test the BOD bottles are stoppered to
- a) Prevent mixing of carbon dioxide
  - b) Prevent mixing of ozone
  - c) Prevent mixing of oxygen
  - d) Prevent mixing of inert gases
- (45) The imaginary line between crust and mantle is
- a) Moho discontinuity
  - b) Conred discontinuity
  - c) Gutenberg discontinuity
  - d) Seismic discontinuity
- (46) Hazardous waste should have characteristics
- a) Reactivity
  - b) Corrosivity
  - c) Toxicity
  - d) All of the these
- (47) The main component of soil is
- a) Oxygen
  - b) Silicon
  - c) Potassium
  - d) Iron
- (48) The best method of disposal of biodegradable nonhazardous solid waste is
- a) Open dumping
  - b) Sanitary land filling
  - c) Incineration
  - d) Composting
- (49) Effect of noise pollution is mainly on
- a) Physical health
  - b) Mental health
  - c) Heart Rate
  - d) All of the above
- (50) Examples of second tropic level organism is
- a) Plant
  - b) Small fish
  - c) Tiger
  - d) Lion
- (51) The asthenosphere makes up the
- a) Upper portion of the mantle
  - b) Lower portion of the crust

- c) Between upper and lower mantle  
d) Below the lower mantle
- (52) Phosphorus is the main constituent of  
a) ATP  
b) ADP  
c) Both ATP and ADP  
d) APT
- (53) The maximum sustainable yield is obtained when the population is  
a) Half of the carrying capacity  
b) Double of the carrying capacity  
c) Two third of the carrying capacity  
d) Three fourth of the carrying capacity
- (54) Which one of the following is not a sustainable development goal to be achieved by 2030?  
a) Gender Equity  
b) Zero Hunger  
c) Good Health and Well Being  
d) Space Research
- (55) The most toxic volatile organic compound is  
a) Vinyl chloride  
b) Carbon tetrachloride  
c) Chloroethane  
d) Methane
- (56) The main component of stratosphere is  
a) O<sub>3</sub>  
b) H<sub>2</sub>  
c) NO  
d) SO<sub>2</sub>
- (57) In pulmonotoxicity the targeted body part is  
a) Liver  
b) Blood  
c) Lungs  
d) Kidney
- (58) Example of micro-nutrient is  
a) N  
b) C  
c) Cr  
d) S
- (59) With increase in temperature the DO in water  
a) Decreases  
b) Increases  
c) Remains same  
d) Cannot be predicted
- (60) The essential component of photosynthesis is  
a) CO<sub>2</sub>  
b) H<sub>2</sub>O  
c) Solar energy  
d) All of these
- (61) Acid which may act as buffer is  
a) H<sub>2</sub>CO<sub>3</sub>  
b) HCl  
c) HNO<sub>3</sub>  
d) H<sub>2</sub>SO<sub>4</sub>
- (62) The nature of pyramid of energy in successive trophic level is  
a) Inverted  
b) Upright  
c) Can be both inverted and upright  
d) Horizontal
- (63) Edaphic factors of ecosystem are related to  
a) Soil  
b) Water  
c) Air  
d) Soil, water, air
- (64) In symbiosis  
a) Two species are mutually benefited  
b) Only one is benefited  
c) No species are benefited  
d) Species depend on others
- (65) In USG the wave used is  
a) Sound wave  
b) Light wave  
c) Heat wave  
d) Water wave
- (66) The topographic factor in an ecosystem is  
a) Altitude of mountains  
b) Slope of mountains

- c) Direction of mountains  
d) All of these
- (67) The Air (prevention and control of pollution ) Act was enacted by the parliament in  
a) 1981  
b) 1984  
c) 1986  
d) 1990
- (68) The wildlife (protection) act was enacted in the parliament in  
a) 1972  
b) 1974  
c) 1976  
d) 1980
- (69) The mangrove forest in west Bengal is named Sunderban mainly due to presence of trees  
a) Goran  
b) Garjan  
c) Kloria  
d) Sundari
- (70) Tundra occurs due to  
a) Low temperature and low moisture  
b) Low temperature and high moisture  
c) High rainfall and high moisture  
d) Moderate rainfall and moderate temperature
- (71) The main contributor of carbon dioxide in the atmosphere  
a) Oil  
b) Coal  
c) Natural gas  
d) Tree
- (72) The most unwanted MSW can be  
a) Metals  
b) Papers  
c) Plastics  
d) Glasses
- (73) The toxicity of Ca-45 is related to  
a) Bone  
b) Thyroid  
c) Blood  
d) Typhoid
- (74) Meningitis is caused by  
a) Bacteria  
b) Virus  
c) Protozoa  
d) Fungi
- (75) The expected rise in global temperature by the year 2030 is  
a) 10 °C  
b) 8 °C  
c) 3 °C  
d) 5 °C