



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Business Administration

Course Name – Environmental Studies and Disaster Management

Course Code - ENV301

(Semester III)

Time : 1 Hr.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) Percentage of grassland ecosystem in comparison to earth surface is nearly which of the following?
 - a) 21
 - b) 50
 - c) 70
 - d) 80
- (2) Identify the primary constituent of smog
 - a) Water
 - b) Carbon dioxide
 - c) Sulphur dioxide
 - d) Hydrogen sulphide
- (3) Which of the following is not biodegradable
 - a) Polythene
 - b) Cotton
 - c) Vegetable waste
 - d) Wood
- (4) Sulphur cycle is
 - a) Hydrologic cycle
 - b) Gaseous cycle
 - c) Sedimentary cycle
 - d) Hydrolytic cycle
- (5) The important component of environment is
 - a) Biosphere
 - b) Lithosphere
 - c) Atmosphere
 - d) All of these
- (6) Tree hugging movement is
 - a) Chipko movement
 - b) Silent valley movement
 - c) Narmoda dam movement
 - d) Tehri dam movement
- (7) The causes of landslide is not due to
 - a) Deforestation
 - b) Road construction
 - c) Industrialisation
 - d) Air pollution

- (8) Drought can be classified as
- a) Metrological drought
 - b) Hydrological drought
 - c) Agricultural drought
 - d) All of these
- (9) Biotic factor is related to
- a) Living organisms
 - b) Non living organisms
 - c) Both living and nonliving organisms
 - d) Fungus
- (10) Energy flow in an ecosystem is
- a) Unidirectional
 - b) Cyclic
 - c) May be unidirectional or cyclic depending on condition
 - d) Cannot be said
- (11) Nitrogen cycle is
- a) Gaseous cycle
 - b) Hydrologic cycle
 - c) Sedimentary cycle
 - d) All of these
- (12) Which is the main component of photochemical smog?
- a) Water vapour
 - b) Sulphur dioxide
 - c) Oxides of Nitrogen
 - d) All of these
- (13) The main pathogen present in contaminated water is
- a) Bacteria
 - b) Algae
 - c) Protozoa
 - d) All of these
- (14) The most toxic chemical as carcinogen is
- a) Carbon tetrachloride
 - b) Vinyl chloride
 - c) Tetrachloro ethylene
 - d) Trichloro ethylene
- (15) 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
- (16) The imaginary line between crust and mantle is
- a) Moho discontinuity
 - b) Conred discontinuity
 - c) Gutenberg discontinuity
 - d) Seismic discontinuity
- (17) The primary rock in the lithosphere is
- a) Metamorphic rock
 - b) Igneous rock
 - c) Sedimentary rock
 - d) All of these
- (18) Hazardous waste should have characteristics
- a) Reactivity
 - b) Corrosivity
 - c) Toxicity
 - d) All of these
- (19) The main component of soil is
- a) Oxygen
 - b) Silicon
 - c) Potassium
 - d) Iron
- (20) The best method of disposal of nonhazardous solid waste is
- a) Open dumping
 - b) Sanitary land filling
 - c) Incineration
 - d) Composting
- (21) The noise threshold limit value of sound level 110 Db is
- a) 15 minutes
 - b) 8 hours

- c) 30 minutes
- (22) The various factors of environment are
- a) Physical factor
b) Chemical factor
c) Biological factor
d) All of these
- (23) Examples of second trophic level organism is
- a) Plant
b) Small fish
c) Tiger
d) Lion
- (24) Sound wave is an example of
- a) Transverse wave
b) Longitudinal wave
c) Electromagnetic wave
d) Static wave
- (25) In genotoxicity the target area is
- a) Liver
b) Kidney
c) Blood
d) Gene
- (26) Example(s) of conventional type of renewable resources may be
- a) Plants
b) Wildlife
c) Aquaculture
d) All of these
- (27) The unit of measuring hardness is
- a) ppm
b) gm/ litre
c) Mole/ litre
d) Mole/ kg
- (28) Phosphorus is the main constituent of
- a) ATP
b) ADP
c) Both ATP and ADP
d) APT
- (29) By using photovoltaic cell solar energy can be converted into
- a) Thermal energy
b) Mechanical energy
c) Electrical energy
d) All of these
- (30) The main attribute of population growth is
- a) Birth rate
b) Immigration rate
c) Emmigration rate
d) Death rate
- (31) 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
- (32) The ecological factors can be
- a) Wind
b) Light
c) Humidity
d) All of these
- (33) Toxicity of chromium is maximum when its oxidation state is
- a) 6
b) 3
c) 0
d) 4
- (34) Ground water has
- a) Very little hardness
b) Maximum hardness
c) Moderate hardness
d) Immeasurable hardness
- (35) The most toxic volatile organic compound is
- a) Vinyl chloride
b) Carbon tetrachloride

- c) Chloroethane
 (36) The thickness of mantle is about
 a) 2800 km
 c) 1000 km
- d) Methane
 b) 5000 km
 d) 10000 km
- (37) The main chemical responsible for hematoxicity is
 a) CO
 c) NO₂
- b) CO₂
 d) SO₂
- (38) The main component of stratosphere is
 a) O₃
 c) NO
- b) H₂⁺
 d) N₂
- (39) The example of primary consumer is
 a) Plant
 c) Tiger
- b) Cow
 d) Snake
- (40) In pulmonotoxicity the targeted body part is
 a) Liver
 c) Lungs
- b) Blood
 d) Kidney
- (41) The exchange of mass and energy takes place in
 a) Closed system
 c) Isolated system
- b) Open system
 d) Homogenous system
- (42) Example of micronutrient is
 a) N
 c) Mn
- b) Ca
 d) S
- (43) The BOD reaction gets completed in
 a) 45 minutes
 c) 100 hours
- b) 10 hours
 d) Never gets completed
- (44) According to Charles Elton the number of links in food chain rarely exceeds
 a) Five
 c) Two
- b) Six
 d) Light
- (45) With increase in temperature the DO in water
 a) Decreases
 c) Remains same
- b) Increases
 d) Cannot be predicted
- (46) Picture plant is an example of
 a) Epiphytes
 c) Commensals
- b) Symbionts
 d) None of these
- (47) The essential component of photosynthesis is
 a) CO₂
 c) Solar energy
- b) H₂O
 d) All of these
- (48) The coenzyme responsible for conversion of mercury to methyl mercury is
 a) Vitamin B12
 c) Vitamin D
- b) Vitamin C
 d) Vitamin E
- (49) Acid which may act as buffer is
 a) H₂CO₃
- b) HCl

- c) HNO_3 d) H_2SO_4
- (50) The distance between two consecutive particles in the same phase is known as
a) Amplitude b) Wavelength
c) Frequency d) Time period
- (51) In poor countries the TFR values most approximately is
a) 7 b) 1.5
c) 3.5 d) 0.5
- (52) The nature of pyramid in successive trophic level is
a) Inverted b) Upright
c) Can be both inverted and upright d) Horizontal
- (53) Edaphic factors of ecosystem are related to
a) Soil b) Water
c) Air d) Soil, water, air
- (54) Water will be considered saline if the TDS value is
a) $< 1500\text{mg/l}$ b) $> 5000\text{mg/l}$
c) $< 500\text{mg/l}$ d) $< 100\text{mg/l}$
- (55) In symbiosis
a) Two species are mutually benefitted b) Only one is benefitted
c) No species are benefitted d) Species depend on others
- (56) In USG the wave used is
a) Sound wave b) Light wave
c) Heat wave d) Water wave
- (57) The topographic factor in an ecosystem is
a) Altitude of mountains b) Slope of mountains
c) Direction of mountains d) All of these
- (58) The environmental protection act was introduced in
a) 1980 b) 1984
c) 1985 d) 1986
- (59) The Air (prevention and control of pollution) Act was enacted by the parliament in
a) 1981 b) 1984
c) 1986 d) 1990
- (60) The components of environmental auditing are
a) Assessment b) Verification
c) The Audit process d) Assessment, verification, audit
- (61) The wildlife (protection) act was enacted in the parliament in
a) 1972 b) 1974
c) 1976 d) 1980
- (62) The Sunderban mangrove forest in west Bengal is located in the district of
a) Midnapur b) Birbhum
c) Nadia d) 24 Paraganas
- (63) The mangrove forest in west Bengal is named Sunderban mainly due to presence of w
hich trees

- a) Goran
c) Kloro
- b) Garjan
d) Sundari
- (64) Tundra occurs due to
a) Low temperature and low moisture
c) High rainfall and high moisture
- b) Low temperature and high moisture
d) Moderate rainfall and moderate temperature
- (65) The main contributor of CO₂ in the atmosphere
a) Oil
c) Natural gas
- b) Coal
d) Tree
- (66) The most unwanted MSW can be
a) Metals
c) Plastics
- b) Papers
d) Glasses
- (67) According to FAO the percentage of tropical rain forest in the world is about
a) 15
c) 24
- b) 35
d) 13
- (68) The most beautiful planet in the Solar system is
a) Earth
c) Venus
- b) Mars
d) Jupiter
- (69) The toxicity of Ca-45 is related to
a) Bone
c) Blood
- b) Thyroid
d) Typhoid
- (70) Meningitis is caused by
a) Bacteria
c) Protozoa
- b) Virus
d) Fungi
- (71) HCFC is less stable compared to CFC due to
a) Hydrogen bond
c) Coordinate bond
- b) Covalent bond
d) Ionic bond
- (72) The expected rise in global temperature by the year 2030 is
a) 10 °C
c) 3 °C
- b) 8 °C
d) 5 °C
- (73) Organomercury is an example of
a) Fungicide
c) Rodenticide
- b) Fumigant
d) Antibiotic
- (74) The surface temperature of Mars is
a) 750 K
c) 218 K
- b) 288 K
d) 240K
- (75) BOD test in the laboratory is done for
a) 5 days
c) 6 days
- b) 2 days
d) 10 days