



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Master of Science in Animation & Multimedia

Course Name – Environmental Science and Disaster Management

Course Code - MMM(ENV)301

(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) Wind energy is trapped in

- | | |
|--------------|-----------------------|
| a) Windmills | b) Air |
| c) Dams | d) Photovoltaic cells |

(2) In biofuel, vegetable oil is mixed with

- | | |
|------------------------|------------------|
| a) Carbontetrachloride | b) Diethyl ether |
| c) Chloroform | d) Ethanol |

(3) More than.....% of energy consumption of biofuel in USA is used for vehicle transportation

- | | |
|-------|-------|
| a) 30 | b) 25 |
| c) 20 | d) 35 |

(4) In generation of hydroelectric energy, water is allowed to fall on the blades of big water turbine called

- | | |
|--------------|---------------|
| a) Windmills | b) Turbines |
| c) Mountains | d) Hot spring |

(5) The main constituent of biogas is

- | | |
|--------------|-------------|
| a) Ethane | b) Ethylene |
| c) Acetylene | d) Methane |

(6) An active volcano Mauna Loa is located in

- | | |
|----------------|--------------|
| a) Hawaii, USA | b) Brazil |
| c) Japan | d) Australia |

(7) What is the full form of LPG?

- | | |
|-------------------------|-------------------------|
| a) Liquefied petrol gas | b) Liquid petroleum gas |
|-------------------------|-------------------------|

- c) Liquefied petroleum gas
 (8) Volcanoes are generally found where
 a) Intraplates pull apart or are coming together
 b) Tectonic plates pull apart or are coming together
 c) Earth's crust pull apart or are coming together
 d) None of these pull apart or are coming together
- d) Liquid polymer gas
- (9) Volcanic erupted material when inside the hill/earth/mountain it is called
 a) Lava
 b) Magma
 c) Lahars
 d) Cyclone
- (10) The Disaster Management Act was made in
 a) 2006
 b) 2003
 c) 2005
 d) 2009
- (11) Avalanches take place in
 a) high altitudes
 b) low latitudes
 c) ground level
 d) beneath the ocean
- (12) Under which condition fire is more likely to spread rapidly?
 a) Drought
 b) Rain
 c) High humidity
 d) Snow
- (13) What is the leading natural cause of forest fires?
 a) Drought
 b) Lightning
 c) Volcanic eruptions
 d) Sparks from falling rocks
- (14) What do forest fires need in order to burn?
 a) Water
 b) High humidity
 c) Clear weather
 d) Fuel
- (15) How can humans cause a forest fire?
 a) By not fully putting out a campfire
 b) By dropping cigarettes
 c) By arson
 d) All of these
- (16) At normal ambient temperature and atmospheric pressure, in which form LPG is obtained?
 a) Solid
 b) Gaseous
 c) Liquid
 d) Semi-solid
- (17) Under which compound name does the liquid petroleum gas (LPG) are sold?
 a) Urea
 b) Ethylene
 c) Benzoyl peroxide
 d) Butane
- (18) What happens when LPG is inhaled in large concentrations?
 a) It kills a person
 b) It increases a person's eye sight
 c) It does not have any effect on person's health
 d) It causes a little anaesthesia
- (19) What is the odour of Liquid Petroleum Gas (LPG)?
 a) It is odourless
 b) Fruity smell
 c) Undesirable odour
 d) Alcoholic smell
- (20) The centre of a cyclone is a calm area and is called the..... of cyclone
 a) Eye
 b) Focus
 c) Centre
 d) Radius

- (21) The instrument that measures the wind speed of a cyclone is
- | | |
|----------------|--------------|
| a) Anemometer | b) Barometer |
| c) Thermometer | d) Ammeter |
- (22) helps us announce a cyclone alert.
- | | |
|--------------|----------|
| a) Satellite | b) Stars |
| c) Sun | d) Moon |
- (23) Which of the following places is unlikely to be affected by a cyclone?
- | | |
|-------------|----------|
| a) Chennai | b) Digha |
| c) Amritsar | d) Puri |
- (24) A low pressure area in the atmosphere in which winds spiral inwards is _____
- | | |
|----------------|------------|
| a) Anticyclone | b) Cyclone |
| c) Front | d) Tsunami |
- (25) Which among the following is true regarding cyclones?
- | | |
|--|--|
| a) Rotate counterclockwise in the northern hemisphere and clockwise in the southern hemisphere | b) Rotate clockwise in the northern hemisphere and counterclockwise in the southern hemisphere |
| c) May rotate in any direction in any hemisphere | d) All of these |
- (26) The movement of earthy materials from higher region to lower region due to gravitational pull is called
- | | |
|---------------|-----------------|
| a) Earthquake | b) Soil erosion |
| c) Landslide | d) Cyclones |
- (27) Downhill movement of earth is mainly caused by
- | | |
|--------------------|--------------|
| a) Monsoon failure | b) Rain |
| c) Drought | d) Pollution |
- (28) Movement of heavy vehicles on the unstable sloppy region causes
- | | |
|---------------|--------------|
| a) Earthquake | b) Flood |
| c) Volcano | d) Landslide |
- (29) Landslides often occur in
- | | |
|------------------|------------------|
| a) Desert region | b) Forest region |
| c) Tundra region | d) Hilly region |
- (30) Landslide can be defined as..... of earth surface
- | | |
|----------------------|--|
| a) Downward movement | b) Upward movement |
| c) Outward movement | d) Both Downward movement and Outward movement |
- (31) The imaginary line passing in between Mantle and Core is
- | | |
|-------------------------|----------------------------|
| a) MOHO | b) Gutenberg discontinuity |
| c) Conrad discontinuity | d) None of these |
- (32) The imaginary line passing in between SIAL and SIMA is
- | | |
|----------------------------|------------------|
| a) Conrad discontinuity | b) MOHO |
| c) Gutenberg discontinuity | d) None of these |
- (33) Density of Crust (soft portion of soil) is
- | | |
|------|------|
| a) 2 | b) 3 |
|------|------|

- c) 0.2
- (34) Lithosphere means
- a) Air
c) Water
- (35) Thickness of Mantle is
- a) 2900 km.
c) 3900 km.
- (36) The loss of chlorophyll causing yellowing of leaf is
- a) Chlorosis
c) Chlorolysis
- (37) The thickness of Crust is
- a) 10 km
c) 1000 km
- (38) The temperature of Earth Core is
- a) 5000 degree C to 5800 degree C
c) 1000 degree C to 1800 degree C
- (39) pH of the acid rain varies between
- a) 3 to 6
c) 11 to 14
- (40) Water retention in biosphere by
- a) Cyclic process
c) Only condensation process
- (41) The non-renewable energy resource is
- a) Sunlight
c) Wild-life
- (42) How much of Earth's water is usable by human?
- a) 0.3%
c) 30%
- (43) World Environment Day is observed every year on
- a) June 5
c) August 5
- (44) A scientist who studies interaction between plants and animals is
- a) A physicist
c) A geologist
- (45) Maintaining and judiciously using the environment for human purposes is called
- a) Conservation of atmosphere
c) Maintenance of atmosphere
- (46) How much of Earth's water is fresh water?
- a) 30%
c) 3%
- (47) Ecosystem is smallest unit of
- a) Ionosphere
- d) 0.3
- b) Organisms
d) Rocks and soils
- b) 1900 km.
d) 900 km.
- b) Photosynthesis
d) None of these
- b) 300 km
d) 3000 km
- b) 500 degree C to 580 degree C
d) 3000 degree C to 3800 degree C
- b) 9 to 11
d) 6 to 9
- b) Only evaporation process
d) Only precipitation process
- b) Wind
d) Fossil fuels
- b) 3%
d) 0.003%
- b) July 5
d) September 5
- b) A chemist
d) An ecologist
- b) Maintenance of environment
d) Conservation of environment
- b) 13%
d) 0.3%
- b) Lithosphere

- c) Biosphere
- d) Mesosphere
- (48) A disease that becomes unusually widespread and even global in its reach is referred to as
- a) Epidemic
- b) Pandemic
- c) Spanish Flu
- d) Hyper endemic
- (49) Bhopal Gas Disaster is a kind of
- a) Natural Disaster
- b) Manmade Disaster
- c) Road Accident
- d) None of these
- (50) The National Disaster Management Authority (NDMA) is headed by
- a) Prime Minister of India
- b) President of India
- c) Governor of State
- d) Chief Minister of state
- (51) Cyclones occurring in North Atlantic ocean are called
- a) Typhoon
- b) Hurricanes
- c) Tornado
- d) None of these
- (52) Disaster Management includes:
- a) Mitigation
- b) Reconstruction
- c) Rehabilitation
- d) All of these
- (53) Floods can be prevented by
- a) Afforestation
- b) Cutting the forest
- c) Tilling the land
- d) Removing the top soil
- (54) Earthquakes can occur with _____ faulting.
- a) Normal
- b) Reverse
- c) Thrust
- d) All of these
- (55) The physical component of eco-system is
- a) Carbon
- b) Oxygen
- c) Light
- d) Nitrogen
- (56) Forest mainly have
- a) Protective function
- b) Productive function
- c) Accessory function
- d) All of these
- (57) Which one is the example of "climate factor" in below?
- a) Light
- b) Altitude of mountain
- c) Structure of soil
- d) All of these
- (58) Which pyramid is always an upright one?
- a) Pyramid of energy
- b) Pyramid of number
- c) Pyramid of biomass
- d) Pyramid of number and biomass
- (59) Symbiotic bacteria is
- a) Rhizobium
- b) Anabena
- c) Nostoc
- d) All of these
- (60) Non symbiotic bacteria is
- a) Rhizobium
- b) Anabena
- c) Azotobactor
- d) Nostoc
- (61) Examples of second trophic level organism is

- a) Plant
c) Tiger
- b) Small fish
d) Lion
- (62) The decomposition of dead-bodies of animal and plant by the bacteria such as bacillus subtilis to produce ammonia is known as
- a) Ammonification
c) Carbonification
- b) Nitrification
d) Oxygenation
- (63) Which of the following is a non-precipitation food?
- a) Coastal flood
c) Flash flood
- b) Cloud burst flood
d) None of these
- (64) Ultimate consequences of war are
- a) Decline in human population
c) Rise in refugees
- b) Outbreak of diseases and epidemics
d) All of these
- (65) The maximum quantity of fresh water occurs in
- a) Rivers
c) Polar ice caps and glaciers
- b) Ground water
d) Sea water
- (66) Which one of the following can be used for disinfection of water
- a) Chlorine
c) Ozone
- b) Hydrogen peroxide
d) Both Chlorine and Ozone
- (67) The example of primary consumer is
- a) Plant
c) Tiger
- b) Cow
d) Snake
- (68) The terrorist attack in Taj Hotel of Mumbai took place in the year
- a) 2005
c) 2007
- b) 2006
d) 2008
- (69) Which one of the following Ozone is not harmful to public health
- a) Mesosphere
c) Stratosphere
- b) Ionosphere
d) Troposphere
- (70) Which one of the following Ozone is harmful to public health
- a) Stratospheric ozone
c) Laboratory ozone
- b) Tropospheric ozone
d) Lithospheric ozone
- (71) The total cyclone prone area in India is
- a) 15%
c) 8%
- b) 10%
d) 20%
- (72) Which one of the following is a geological disaster?
- a) Tsunami
c) Flood
- b) Storm surge
d) Wild fire
- (73) Which of the following is not biodegradable substances in environment?
- a) Polythene
c) Vegetable waste
- b) Cotton
d) Wood
- (74) Main component of mesosphere is
- a) CO₂
c) O₂⁺
- b) NO⁺
d) Both NO⁺ and O₂⁺

(75) The temperature range of troposphere is

a) -2 to -92 °C

c) -56 to -2 °C

b) 15 to -56 °C

d) -92 to 1200 °C