



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Diploma in Computer Science & Engineering

Course Name – Environmental Science

Course Code - DCSE205

(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) Montreal Protocol came into force in

a) 1987	b) 1988
c) 1989	d) 1990
- (2) The symptom of minamata disease is

a) damage in nervous system	b) Damage in pulmonary system
c) Damage in cardiac system	d) Damage in excretory system
- (3) Example of in-situ conservation is

a) Biosphere reserve	b) Botanical garden
c) Aquarium	d) Gene bank
- (4) The abnormal growth and activities of a cell may cause

a) Cancer	b) Typhoid
c) Cholera	d) Malaria
- (5) Ozone acts as a protective shield when it resides in

a) Mesosphere	b) Stratosphere
c) Thermosphere	d) Troposphere
- (6) The common unit of noise is

a) Kg	b) Hz
c) gm	d) dB
- (7) What is the renewable exhaustible natural energy resource

a) Coal	b) Petroleum
c) Kerosene	d) Biomass

- a) Jim Corbett National Park
c) Rajaji National Park
- b) Nanda Devi and Valley of flowers National Park
d) Dudhwa National Park
- (22) Which of the following is not a fossil fuel
a) Coal
c) CNG
- b) Kerosene
d) Biogas
- (23) World Environment Day is observed every year on
a) June 5
c) August 5
- b) July 5
d) September 5
- (24) Which one of the following is not a sustainable development goal targeted to be achieved by 2030
a) Gender Equity
c) Good Health and Wellbeing
- b) Zero Hunger
d) Space Research
- (25) In what medium sound can propagate fast?
a) Gas
c) Liquid
- b) Solid
d) None of these
- (26) Aircraft noise is measured by
a) L_{10} (18 hrs) index
c) L_{epn}
- b) L_{eq}
d) L_{aq}
- (27) Which form of nitrogen is taken by plant?
a) Nitrate (NO_3^-)
c) Both Nitrate and nitrite
- b) Nitrite (NO_2^-)
d) Nitric acid (HNO_3)
- (28) What is the exception to the upright pyramid of biomass
a) Temperate forests
c) Ponds
- b) Deserts
d) Grassland ecosystem
- (29) Which one is the example of 'climate factor' in below?
a) Light
c) Structure of soil
- b) Altitude of mountain
d) All of these
- (30) The process of successful establishment of a species in a new area is called
a) Ecesis
c) Sere
- b) Invasion
d) Climax
- (31) Non symbiotic bacteria is
a) Rhizobium
c) Azotobactor
- b) Anabena
d) Nostoc
- (32) The decomposition of dead-bodies of animal and plant by the bacteria such as bacillus subtilis is known as
a) Ammonification
c) Carbonification
- b) Nitrification
d) Oxygenation
- (33) Clean Development Mechanism was first introduced in which of the following international agreement
a) Montreal Protocol
c) Rio Summit
- b) Kyoto Protocol
d) Paris Agreement
- (34) Which one of the following can be used for disinfection of water

- a) Chlorine
c) Ozone
- (35) Amoebic Dysentery is caused by
a) Protozoa
c) Helminth
- (36) Greenhouse effect is due to
a) Over cultivation of land
c) Some atmospheric gases like CO₂, N₂O and some man-made gases
- (37) Smog is a combination of
- a) Smoke and dust particles
c) smoke and fog
- (38) Sulphur cycle is
a) Hydrologic cycle
c) Sedimentary cycle
- (39) The main nitrogen reservoir in the biosphere is
a) Ocean
c) Rock
- (40) The causes of landslide is not due to
a) Deforestation
c) Industrialisation
- (41) In soil profile the upper horizon is
a) Mineral horizon
c) Bed rock
- (42) Gully erosion is the advanced stage of
a) Rill erosion
c) Sheet erosion
- (43) Energy flow in an ecosystem is
a) Unidirectional
c) May be unidirectional or cyclic depending on condition
- (44) Which one of the following is established for documenting rare and endangered species of plants and animals?
a) Blue Data Book
c) Red Data Book
- (45) In BOD test the BOD bottles are stoppered to
a) Prevent mixing of carbon dioxide
c) Prevent mixing of oxygen
- (46) The primary rock in the lithosphere is
a) Metamorphic rock
c) Sedimentary rock
- (47) The main component of soil is
- b) Hydrogen peroxide
d) Both chlorine and ozone
- b) Virus
d) Bacteria
- b) Testing nuclear weapons
d) Due to excess amount of nutrients in the soil
- b) Smoke and cloud
d) Smoke and bacteria
- b) Gaseous cycle
d) None of the above
- b) Organism
d) Atmosphere
- b) Road construction
d) Air pollution
- b) Organic horizon
d) Subsoil
- b) Splash erosion
d) Wind erosion
- b) Cyclic
d) Bidirectional
- b) Green Data Book
d) Violet Data Book
- b) Prevent mixing of ozone
d) Prevent mixing of inert gases
- b) Igneous rock
d) All of the above

- a) Oxygen
c) Potassium
- b) Silicon
d) Iron
- (48) The best method of disposal of nonhazardous solid waste is
a) Open dumping
c) Incineration
- b) Sanitary land filling
d) Composting
- (49) Both power and manure are provided by
a) Thermal plant
c) Nuclear plant
- b) Hydroelectric plant
d) Biogas plant
- (50) India accounts for what percentage of the world population?
a) 16.7%
c) 15%
- b) 20%
d) 18.6%
- (51) Phosphorus is the main constituent of
a) ATP
c) Both ATP and ADP
- b) ADP
d) APT
- (52) The maximum sustainable yield is obtained when the population is
a) Half of the carrying capacity
c) Two third of the carrying capacity
- b) Double of the carrying capacity
d) Three fourth of the carrying capacity
- (53) The regular use of which of the following fertilizers increases the acidity of soil
a) Potassium nitrate
c) Urea
- b) Superphosphate of lime
d) Ammonium sulphate
- (54) How many stages of HIV infection exist?
a) 2
c) 0
- b) 3
d) 1
- (55) Which of the following agents is responsible for turning the Taj Mahal yellow?
a) Sulphur
c) Sulphur dioxide
- b) Chlorine
d) Nitrogen dioxide
- (56) The main chemical responsible for hematoxicity is
a) CO
c) NO₂
- b) CO₂
d) SO₂
- (57) The main component of stratosphere is
a) O₃
c) NO
- b) H₂⁺
d) N₂
- (58) In pulmonotoxicity the targeted body part is
a) Liver
c) Lungs
- b) Blood
d) Kidney
- (59) Example of micronutrient is
a) N
c) Cu
- b) C
d) S
- (60) With increase in temperature DO in water
a) Decreases
c) Remains same
- b) Increases
d) Cannot be predicted

a) 15 percent

c) 24 percent

b) 35 percent

d) 13 percent

(75) Growth of lichens on barren rocks is followed by the growth of

a) Moss

c) Gynosperms

b) Ferns

d) Algae