

Multiple Choice Questions

Time Allowed : One Hour

Max Marks : 50

Q 1. Hair in body are

- A) Carbohydrates B) Proteins C) Fat D) Nucleic acid

Q 2 Who gave the structure of DNA?

- A) Watson B) Crick C) Both of them D) None of them

Q 3 The main function of light in the process of photosynthesis is:

- A) Reduce CO_2 B) Split water molecules
C) Activate D) All of the above

Q 4 Morphologically, which part of the mango is eaten ?

- A) Endocarp B) Epicarp C) Pericarp D) Mesocarp

Q 5 The UV-visible spectrophotometer is used to measure the

- A) Optical Density B) Transmittance C) Both (1) & (2) D) Wavelength

Q 6 The refrigeration cycle consists of

- A) Compressor, expansion valve, heater, cooler
B) Compressor, cooling coils, evaporator, chiller
C) Expansion valve, evaporator, compressor, condenser
D) None of above

Q 7 If Reynolds number is ranged between 2100-4000, the flow is said to be:

- A) Laminar flow B) Transition Flow
C) Turbulent flow D) None of the above

Q8 In boiling point diagram, the saturated vapour curve is called

- A) Triple point B) Boiling point
C) Dew point D) Saturation point

Q 9 The diffusivity 'D' calculated from Fick's Law equation has units of

- A) kg.m/s B) m/s C) m^3/s D) m^2/s

Q 10 Which of the following is the anti-nutritional factor found in cereals?

- A) Phytic acid B) Ascorbic acid
C) Glutamic acid D) Maleic acid

Q 11 Catalyst used for hydrogenation of oil is:

- A) AgCl B) Ni C) Fe D) NaCl

- Q12 The zig-zag motion of colloidal particle was observed by
A) Tyndall B) Rutherford C) Robert Brown D) Einstein
- Q13 Which of the following polymer is called polyamide
A) Teflon B) Nylon C) Rayo D) All
- Q 14 Which of the following shows sublimation:
A) Camphor B) Sulphur C) Potassium D) Uranium
- Q15 Isotonic solutions have same:
A) Osmotic pressure B) Solute concentration
C) Solvent concentration D) Taste
- Q16 Epsom salt is hydrated salt of
A) $ZnSO_4$ B) $MgSO_4$ C) $Fe_2(SO_4)_3$ D) $CuSO_4$
- Q 17 When oil is mixed in water and is agitated strongly, it forms:
A) Colloidal solution B) Pure solution C) An emulsion D) None
- Q18 Two bodies A and B are dropped from the same height and at the same time. If body A is heavier than B, which will reach the ground first.
A) A B) B C) Both will reach together D) It depends on the situation
- Q19 A person throws a stone vertically upward with velocity "V". It will come back with velocity
A) 2V B) V^2 C) V/2 D) V
- Q20 Energy of sun generated mainly by
A) Chemical reaction B) Burning of coal C) Fission reaction D) Fusion reaction
- Q21 Two piece of glass plate one upon the other with little water in between them cannot be easily separated because of
A) Inertia B) Conservation of energy
C) Surface tension D) Mutual atomic interaction
- Q22 Electric flux is
A) Vector quantity B) Dimensionless C) Imaginary quantity D) Scalar quantity
- Q23 Magnetism of magnet is due to:
A) Earth's rotation B) Spin motion of electrons
C) Cosmic rays D) All of the above
- Q 24 It is easier to float a ship than to float a pin. This can be explained by
A) Archimedes Principle B) Law of gravity
C) Surface tension D) Methodological explanation

- Q25 Avogadro's number is approximately 6×10^{23} . The number of molecules in 100 cc of water is close to
- A) 6×10^{-23} B) 6×10^{-41} C) 18×10^{-23} D) 33.3×10^{23}
- Q 26 Proteins associated with DNA are called?
- A) Albumins B) Gliadins C) Histones D) None of them
- Q 27 Enamel is the part of
- A) Ear B) Nail C) Teeth D) Hair
- Q 28 Pigment present in human eyes responsible for night vision
- A) Iodopsin B) Rhodopsin C) Trypsin D) Pepsin
- Q 29 pH of stomach is
- A) 1-3 B) 4-6 C) 7-8 D) 11-12
- Q30 We can find pure blood in human being in
- A) Aorta B) Pulmonary artery C) Right ventricle D) all of the above
- Q 31 Potato is
- A) Stem B) Root C) Leaf D) Fruit
- Q 32 Filarial parasites are transmitted by
- A) Female culex B) Female anopheles
C) Male culex D) Male anopheles
- Q 33 The full form of PFA is
- A) Prevention of Food Additives B) Process of Food Adulteration
C) Prevention of Food Adulteration D) Prevention of Food Adsorbents
- Q 34 Marbling in meat is defined as
- A) Intramuscular protein B) Intramuscular fat
C) Bound water content D) Ease of chewiness
- Q 35 Stiffening of muscle tissues is defined as
- A) Rigor Mortis B) Curing C) Hardening D) Elasticity
- Q 36 The elastic filaments present in the muscle tissues are named as:
- A) Actin B) Myosin C) Titin D) None of the above
- Q 37 Which part of egg contain more amount of protein content?
- A) Yolk B) Albumin
C) Both yolk and albumin protein content is same D) Shell

Q 38 In thermal processing z -value is defined as increase in.....to decrease the D -value by 90%

- A) Time B) Moisture C) Temperature D) Pressure

Q 39 The full form of SEM is

- A) Sensory Emerging Microscope B) Scanning Electron Microscopy
C) Scanning Emerging Microscopy D) Sensible Electron Measurement

Q 40 In microbial curve, death of micro-organisms occur due to following reasons

- A) Deficiency of nutrients B) High Temperature
C) Formation of Toxic substances D) All of the above

Q 41 Micro-kjeldahl method is used to measurecontent in cereals

- A) Fat B) Moisture C) Carbohydrate D) Protein

Q 42 The color of strawberry fruit is due to pigment called

- A) Lycopene B) Betalin C) Carotene D) Anthocyanin

Q 43 The common test organism used in Pasteurization process of milk is

- A) E.coli B) Clostridium botulinum
C) Staphylococcus aureus D) Listeria monocytogenes

Q 44 Maximum pressure in homogenization of milk is

- A) 2500 psia B) 2000 psia C) 3100 psia D) 2800 psia

Q 45 The full form of platform test of milk namely COB is

- A) Clot on bubbling B) Couple on boiling C) Clot on boiling D) Clot on buffering

Q 46 The processing rate of fruits and vegetable in India is

- A) 10% B) 2% C) 5% D) 12%

Q 47 The temperature of supercritical fluid CO_2 is:

- A) 31°C B) 45°C C) 20°C D) 15°C

Q 48 The refractive index is ratio of angle ofto angle of

- A) Incidence and reflection B) Incidence and refraction
C) Refraction and incidence D) Reflection and incidence

Q 49 Flatulence in legumes is caused by

- A) Oligosaccharides B) Polysaccharides
C) Monosaccharides D) All of the above

Q 50 Golden Rice contains higher amount of

- A) Vitamin A B) Vitamin D C) Vitamin E D) Vitamin K