



CUET UG Biology Practice Test 2 with Answers PDF

- Aquaculture does not include
 - Pisces
 - Prawns
 - Silkworm
 - Shell fishery
- Haematology is the study of:
 - Bone
 - Blood
 - Neuron
 - Cartilage
- Organic evolution would have not been taken place:
 - If individuals in a population did not show genetic variations
 - If individuals did not inherit characters acquired during their life to their off-springs
 - If somatic variations did not inherit
 - If somatic variations were not transferred to genetic variations
- The process of evolution:
 - Is a continuous process
 - Is a discontinuous process
 - Was continuous in beginning but discontinuous now
 - Was discontinuous in beginning but continuous now
- There are several ways of looking at living thing, one which is at the molecular level and analytical level with regard to life could vary nearly come to:
 - Result of Newtonian laws
 - Matter energy interaction
 - Matter velocity relationship
 - Physical expression of moment of mass
- Infective nature of tobacco mosaic disease was discovered by:
 - Mayer
 - Ivanovsky
 - Bawden
 - Green
- Infective portion of a virus is nucleic acid, this was discovered by
 - de-Herelle
 - Hershey and Chase
 - Stanley
 - Ivanovsky
- Alary muscle is associated with:
 - Heart and circulation
 - Malpighian tubule and excretion
 - Trachea and respiration
 - None of these
- Organ of mastication in cockroach is:
 - Labrum
 - Labium
 - Mandibles
 - Maxilla
- Commonest mode of asexual reproduction in bacteria is:
 - Binary fission
 - Budding
 - Sexual conjugation
 - Sporulation
- In nitrification, nitrosomonas bacteria converts:
 - Nitrate to Nitrite
 - Ammonia to Nitrite
 - Chloroplasts
 - Nitrate to N_2
- In Bougainvillea large coloured structures are-
 - Bracts
 - Stamens
 - Petals
 - Sepals
- Zigzag development of inflorescence axis is an example of:
 - Umbel
 - Helicoid cyme
 - Scorpioid cyme
 - Verticillaster
- Young fleshy inflorescence is edible in:
 - Cauliflower
 - Bombax
 - Aconitum
 - Trapa
- Sclerenchymatous hypodermis is found in:

<ol style="list-style-type: none"> Monocot roots Dicot stems 	<ol style="list-style-type: none"> Monocot stems Gymnosperm stems
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- Polyarch vascular bundles are usually found in

<ol style="list-style-type: none"> Monocot roots Monocot stems 	<ol style="list-style-type: none"> Dicot roots Dicot stems
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- Bilirubin is a by-product of no use, so it is eliminated partly with the stools as such, Accumulated bilirubin causes a dangerous toxicity referred to as:
 - Cri-du-chat syndrome
 - Crigler-Najjar syndrome
 - Down's syndrome
 - Cretuzfeldt-Jakob syndrome

18. A variety of cells are present in the areolar tissue. In the list of cells which are not found in the said connective tissue are:
- Myeloblasts
 - Fibroblasts
 - Neutrophils
 - Macrophages
19. Who proposed the fluid-mosaic model of membrane structure?
- Davson and Danielli
 - Robertson
 - Seifriz
 - Singer and Nicolson
20. Which cell organelle is essential for photorespiration?
- Endoplasmic reticulum
 - Dictyosome
 - Peroxisome
 - Glyoxysome
21. In the meiotic division four daughter cells are produced by two successive divisions in which
- First division is equational and second is reductional
 - First division is reductional and second is equational
 - Both divisions are equational
 - Both divisions are reductional
22. Anastral mitosis is characteristic of
- Higher plants
 - Higher animals
 - All living organism
 - Lower animals
23. Proteins can be synthesized over/in:
- Rough ER
 - Ribosomes
 - Cytoplasm
 - All of these
24. All types of proteins synthesised over ribosomes have:
- L-amino acids
 - D-amino acids
 - Both D- and L-amino acids
 - Only optically active amino acids
25. In osmosis, there is movement of:
- solute only
 - solvent only
 - Both a. and b.
 - neither solute nor solvent
26. Phloem conducts food by:
- perforated sieve plates
 - bast fibres
 - xylem parenchyma
 - xylem fibres
27. Exchange of substances between a cell and its environment is due to:
- osmosis
 - active transport
 - diffusion
 - All of these
28. Calcium works as catalyst for
- ATPase
 - Phospholipids
 - Succinic dehydrogenase
 - All of these
29. Phosphorus is present in
- Vitamin A
 - Vitamin C
 - Lecithin
 - Glycin
30. Kranz anatomy is found in
- C₂ plants
 - C₃ plants
 - C₄ plants
 - Succulent plants
31. According to van Helmont food is synthesised by
- Air
 - Soil
 - H₂O
 - H₂O and air
32. Why do fruit juices turn bitter if kept in an open place for some time?
- Juices have something inside them which makes it bitter
 - It is due to fermentation brought about by yeast cells
 - It is due to the activity of fungi present in the atmosphere
 - All of the above
33. Lowest rate of respiration will be in
- Collenchyma
 - Leaf
 - Dry seeds
 - Germinated seeds
34. Slow respiring plants or plant tissues are
- Promeristems
 - Cambium
 - Leaf primordia and young plant
 - Adult plants and matured tissues
35. Antibiotic has been extracted from
- Chlorella
 - Spirogyra
 - Oscillatoria
 - Ulothrix
36. Which of the following plants does not have archegonium?
- Funaria
 - Spirogyra
 - Cycas
 - Pteris

18. (c) Neutrophils
19. (d) Singer and Nicholson proposed the Fluid-mosaic model of membrane structure.
20. (c) Peroxisome cell organelle is essential for photorespiration.
21. (b) First division is reductional and second is equational.
22. (a) Anastral mitosis is characteristic of higher plants.
23. (d) Rough ER, Ribosomes and Cytoplasm.
24. (a) All types of proteins synthesised over ribosomes have L-amino acids.
25. (b) In osmosis, the movement of solvent occur.
26. (a) Phloem conducts food by perforated sieve plates.
27. (d) Osmosis, active transport and diffusion.
28. (d) ATPase, phospholipids and succinic dehydrogenase. It regulates the activity of *calcium ATPase*, and in hypothyroidism there is an increase in the ratio of inorganic phosphate to *ATP* in resting muscle and a decrease in phosphocreatine in *working* muscle.
29. (c) Phosphorus is present in Lecithin.
30. (c) Kranz anatomy is found in C_4 plants.
31. (c) H_2O
32. (b) It is due to fermentation brought about by yeast cells.
33. (c) Lowest rate of respiration will be in dry seeds.
34. (d) Slow respiring plants or plant tissues are adult plants and matured tissues.
35. (a) *Chlorella* is a type of algae that grows in fresh water. The whole plant is used to make nutritional supplements and medicine.
36. (b) *Spirogyra* a filamentous green alga of a genus that includes blanket weed.
37. (d) Sulphur is the essential mineral for synthesis of proteins in body.
38. (b) Nicotinamide – Pellagra
39. (b) Carrots is best source of vitamin A.
40. (c) The *Krebs Cycle* is an aerobic process consisting of eight definite steps. In order to enter the *Krebs Cycle* pyruvate must first be converted into Acetyl-CoA by pyruvate dehydrogenase complex found in the mitochondria.
41. (b) The exchange of gases in the alveoli of the lungs takes place by simple diffusion.
42. (b) 0.8 second.
43. (b) Pulse beat is measured from artery.
44. (b) SA node
45. (b) The nephrostomes in the kidney's are functional in adult frog.
46. (d) Conservation of water is the main function of Henle's loop.
47. (c) More pulling of ligament is sprain.
48. (a) Muscles are red because of the presence of myoglobin and mitochondria.
49. (d) Adrenaline and noradrenaline
50. (c) Deficiency of ADH causes diabetes insipidus.

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