

Model Test Paper

GLA UNIVERSITY, MATHURA

(B.Sc. Biotechnology)

1. Kidney is for
 - (a) Respiration
 - (b) Excretion
 - (b) (c) Photosynthesis
 - (d) All
2. Sweat glands are present in
 - (a) Skin
 - (b) Connective tissue
 - (c) Mouth
 - (d) None
3. Human heart has
 - (a) One chamber
 - (b) Two chamber
 - (c) Three chamber
 - (d) Four chamber
4. Cones are present in
 - (a) Cornea
 - (b) Retina
 - (b) (c) Eye lens
 - (d) Ear
5. Cell which transport gas in human body
 - (a) Erythrocytes
 - (b) Leucocytes
 - (c) Platelets
 - (d) All
6. Artery is a blood vessel which
 - (a) Carries blood from heart to body tissue
 - (b) Carries blood from body tissue to heart
 - (c) a+b
 - (d) None
7. Enzyme that act on starch is
 - (a) Amylase
 - (b) Pepsin
 - (c) Trypsin
 - (d) Lipase
8. Myoglobin is present in
 - (a) Muscle cell
 - (b) Red blood cell
 - (c) White blood cell
 - (d) All
9. Osteocytes are present in
 - (a) Bone
 - (b) Cartilage
 - (c) Muscle cells
 - (d) None
10. Nissl's bodies are present in
 - (a) Neuron
 - (b) Neutrophils
 - (c) Sperm cell
 - (d) Skeletal muscle cell
11. Large Blood vessel carrying oxygenated blood is
 - (a) Aorta
 - (b) Anterior vena cava
 - (c) Posterior vena cava
 - (d) b+c
12. Ear bones are present in
 - (a) Outer ear
 - (b) Middle ear
 - (c) Inner ear
 - (d) Every where
13. Bone joints to bone through
 - (a) Tendon
 - (b) Ligament
 - (c) Adipose cells
 - (d) Cartilage
14. Which part of eye is avascular (without blood supply)
 - (a) Cornea
 - (b) Eye lens
 - (c) Retina
 - (d) None

15. Body parts made of keratin are

- (a) Hairs (b) Nails
- (c) Outermost layer of skin
- (d) All

16.. Skin colour is due to

- (a) Chlorophyll pigment
- (b) B complex
- (c) Melanin pigment
- (d) All.

17. Cervical vertebrae in human are

- (a) 7 (b) 8
- (c) 6 (d) 4

18. Chlorophyll containing cells performs

- (a) Respiration (b) Photosynthesis
- (c) a + b (d) None

19. Sugar present in DNA is

- (a) Ribose (b) deoxy ribose
- (c) Sucrose (d) Glucose

20. Bacteriophage is a

- (a) Virus (b) Bacteria
- (c) Plant (d) Algae

21. Cellulose is a

- (a) Complex carbohydrate
- (b) Polysaccharide
- (c) Component of plant cell wall
- (d) All

22. Blue green algae is a

- (a) Bacteria (b) Algae
- (c) Cyno bacteria (d) Archae bacteria

23. Role of xylem in plant

- (a) Absorption of water
- (b) Absorption of minerals
- (c) a + b (d) None

24. In plant cell sap is present in

- (a) Vacuole (b) Cytoplasm
- (c) Nucleus (d) Cell wall

25. Phloem is composed of

- (a) Sieve tubes
- (b) Companion cells
- (c) Tracheid's (d) a+b

26. Cotton fibre is made of

- (a) Cellulose (b) Starch
- (c) Amino acids (d) Glucose

27. Mesophyll cells are present in

- (a) Roots (b) Stem
- (c) Leaves (d) None

28. Root hairs are

- (a) Unicellular
- (b) Multi cellular
- (c) Both (d) None

29. Xanthophyll is a
- (a) Green pigment (b) Yellow pigment
- (c) Red pigment (d) White pigment

30. Pith in plant is
- (a) Present in dicot stem
- (b) Monocot stem
- (c) Both
- (d) None

31. Vascular bundle in dicot stem are
- (a) In ring form (b) Scattered
- (c) a+c (d) In groups

32. Wood is actually
- (a) Primary xylem
- (b) Secondary xylem
- (c) Secondary phloem
- (d) None of the above

33. Xylem and phloem are in separate bundles present in
- (a) Root (b) Stem
- (c) Leaves (d) All

34. In the ripe mango which part is sweet and edible
- (a) Epicarp (b) Mesocarp
- (c) Endocarp (d) Seed

35. Na ion is?
- (a) Smaller than Na
- (b) Larger than Na
- (c) Equal to Na (d) None

36. The general electronic configuration of alkaline earth metals is?
- (a) ns1 (b) ns2
- (c) np1 ns2 (d) np2

37. The ionization energy from Li to Cs?
- (a) Decreases (b) Increases
- (c) Remains same
- (d) None of the above

38. The order of elements in group IA is?
- (a) Na, K, Rb, Cs, Li
- (b) Li, Na, K, Rb, Cs
- (c) Li, K, Na, Rb, Cs
- (d) Li, Na, K, Cs, Rb

39. Sodium Carbonate is commonly known as?
- (a) Baking soda (b) Caustic soda
- (c) Lime Soda (d) Washing Soda

40. Bleaching powder is generally expressed as?
- (a) CaOCl₂ (b) CaCl₂
- (c) CaSO₄ (d) CaSO₄ · 2H₂O

41. The tendency of an atom to attract shared pair of electron toward itself is called?

- (a) Electronegativity
- (b) Electropositivity
- (c) Ionization energy
- (d) Electron affinity

42. The size of anion is always _____ than the parent atom.

- (a) Smaller (b) Larger
- (c) V.V. small
- (d) None of the above

43. The total number of electrons in the outermost shell of p-block elements varies from? (a) 1 to 6 (b) 3 to 8 (c) 2 to 6
(d) 1 to 8

44. Dry ice is?

- (a) Solid water (b) Solid CO₂
- (c) Solid CO (d) Solid benzene

45. The brown ring test is used to determine the presence of?

- (a) Carbonate (b) Chloride
- (c) Nitrate (d) Sulphite