



GSFC UNIVERSITY
SCHOOL OF SCIENCE
Admission Common Test for B.Sc. Biotechnology, 2021-22

Time: 30 Minutes

Total Marks: 30

Instructions:

- i. All questions are compulsory.
 - ii. All questions are Multiple Choice Questions.
 - iii. Each question Carries 1 Mark.
-

1. Our sir teaches Maths _____ English
 - a. Across
 - b. Besides
 - c. Beside
 - d. Both
2. Rohan was _____ till death by dacoits.
 - a. Hanged
 - b. Hung
 - c. Hanging
 - d. Hunged
3. If _____ I would not lose temper
 - a. I were you
 - b. I was you
 - c. I am not you
 - d. I am you
4. Imam Husain dies _____ A noble cause.
 - a. For
 - b. Of
 - c. In



- d. At
5. The person who conducts sales at which goods are sold to the persons making the highest bid is called
- Auctioner
 - Conjurer
 - Chairman
 - Bursar
6. A zwitterion has which of the following properties
- no net charge
 - a high melting point
 - soluble in water
 - all of these
7. What is the hybridization of sulphur in H_2S ?
- sp
 - sp^2
 - sp^3
 - sp^3d
8. The most typical reaction of simple alkene is
- Electrophilic substitution
 - Nucleophilic substitution
 - Electrophilic addition
 - Nucleophilic addition
9. Which one of the following is not radioactive?
- Astatine
 - Francium
 - Tritium
 - Zirconium
10. Which is the heaviest naturally occurring element?
- Thorium



- b. Uranium
 - c. Mercury
 - d. Polonium
11. A material is said to be ____ if it changes shape when a deforming force acts on it and returns to its original shape when the deforming force is removed
- a. Elastic
 - b. Inelastic
 - c. Plastic
 - d. Rigid
12. If mica sheet is placed between the plates of a capacitor, the capacity
- a. Increases
 - b. Decreases
 - c. initially increases then decreases
 - d. remains constant
13. In p-n junction, the barrier potential offers resistance to
- a. only free electrons in n- region
 - b. only holes in p-region
 - c. free electrons in n-region and holes in p-region
 - d. free electrons in p-region and holes in n-region
14. Which of the following is not dimensionless?
- a. Relative refractive index
 - b. Relative permittivity
 - c. Relative density
 - d. Relative velocity
15. Which quantity is increased in a step-down transformer?
- a. Current
 - b. Voltage
 - c. Power
 - d. Frequency



16. Liquid chromatography can be performed in which of the following ways?
- Only in columns
 - Only on plane surfaces
 - Either in columns or on plane surfaces
 - Neither in columns nor on plane surfaces
17. The gas is commonly used in anaesthesia
- methane
 - nitrous oxide
 - nitrogen
 - hydrogen peroxide
18. In the stomach, gastric acid is secreted by the
- Peptic cells
 - acidic cells
 - Gastrin secreting cells
 - parietal cells
19. Enzyme responsible for curdling of milk
- Pepsin
 - Rennin
 - Prorennin
 - Trypsin
20. Meiosis consists of
- two cell divisions without any DNA replication
 - two cell divisions in which chromosome number is reduced to half
 - two cell divisions with only two rounds of chromosome replication
 - a single cell division with chromosome replication.
21. Biomolecules are
- inorganic materials
 - organic materials
 - all the carbon compounds obtained from living tissues



- d. only DNA and RNA.
22. Biological molecules are primarily joined by
- peptide bonds
 - ionic bonds
 - hydrogen bonds
 - covalent bonds
23. The proteins which fastens the rate of a given metabolic conversation are called
- Haemoglobins
 - metabolites enzyme
 - enzymes
 - none of these.
24. The excretory organ of Earthworm is ?
- Coxal glands
 - Flame cells
 - Malphigian tubules
 - Nephridia
25. Transpiration and root pressure cause water to rise in plants by:
- pushing and pulling it, respectively
 - pulling it upward
 - pulling and pushing it, respectively
 - pushing it upward
26. Which of the following animals is not viviparous?
- Whale
 - Flying fox (Bat)
 - Elephant
 - Platypus
27. In a bacterial cell, the DNA is in the:
- cell envelope
 - cell membrane



- c. nucleoid
 - d. nucleus
28. Chromosomes except those relating to sex are known as
- a. Chromosomes
 - b. Heterosomes
 - c. Allosomes
 - d. Autosomes
29. Study of cell is ?
- a. Biometrics
 - b. Bacteriology
 - c. Biotechnology
 - d. Cytology
30. Which of the following is true for nucleolus?
- a. It takes part in spindle formation
 - b. It is a membrane-bound structure
 - c. Larger nucleoli are present in dividing cells
 - d. It is a site for active ribosomal RNA synthesis
