

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Biochemistry and Hematology

Course Code - BPA201

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Answer all the questions. Each question carry one mark.

9. 1. Name the major storage form of carbohydrates in animals

Mark only one oval.

- Cellulose
- Glycogen
- Chitin
- Starch

10. 2. What is the name of the drug which inhibits Na^+/K^+ pump across the cell membrane?

Mark only one oval.

- Taxol
- Vinblastine
- Ouabain
- Quinone

11. 3. Hyaluronic acid is an example of:

Mark only one oval.

- Disaccharide
- Oligosaccharide
- Heteropolysaccharide
- Glycoprotein

12. 4. The carbon atom involved in osazon formation :

Mark only one oval.

- 1 and 2
- 3 and 4
- 2 and 3
- 5 and 6

13. 5. What is the site for gluconeogenesis as per modern concept:

Mark only one oval.

- Liver
- Blood
- Muscles
- Brain

14. 6. Name the hormone which is secreted in an emergency or in stress condition

Mark only one oval.

- Insulin
- Epinephrine
- Glucagon
- Melanin

15. 7. Sorbitol and Mannitol are:

Mark only one oval.

- Optical isomers
- Enomers
- Epimers
- Stereoisomers

16. 8. Which of these is a hereditary disease caused due to an error in amino acid metabolism?

Mark only one oval.

- Homocystinuria
- Albinism
- Phenylketonuria
- All of these

17. 9. Protein is Polymer of:

Mark only one oval.

- Peptides
- Amino acids
- Carbohydrates
- Fatty acids

18. 10. Parkinson's Disease is linked with decreased synthesis of:

Mark only one oval.

- Serotonin
- Arginine
- Dopamine
- None of these

19. 11. Cholesterolemia means

Mark only one oval.

- lack of functional LDL receptors
- lack of functional HDL receptor
- high sensitivity to fatty food intake
- None of these

20. 12. Which fraction of lipoproteins has highest cholesterol content?

Mark only one oval.

- HDL
- Chylomicrons
- LDL
- VLDL

21. 13. A five carbon sugar found in DNA is

Mark only one oval.

- Ribose
- Guanine
- Deoxyribose
- Helicase

22. 14. A _____ is a biocatalyst that increases the rate of the reaction without being changed

Mark only one oval.

- Aluminum oxide
- Silicon dioxide
- Enzyme
- Hydrogen peroxide

23. 15. What is an apoenzyme?

Mark only one oval.

- It is a protein portion of an enzyme
- It is a non-protein group
- It is a complete, biologically active conjugated enzyme
- It is a prosthetic group

24. 16. Which of the following is not a fat-soluble vitamin:

Mark only one oval.

- Vitamin D
- Vitamin K
- Vitamin C
- Vitamin A

25. 17. The first person to discover vitamin

Mark only one oval.

- Jennar
- Funk
- Mallanby
- Calvin

26. 18. Cobalt containing vitamin is

Mark only one oval.

- Vitamin B2
- Vitamin B6
- Vitamin B12
- None of these

27. 19. Sex hormone is a _____

Mark only one oval.

- Water soluble hormone
- Fat soluble hormone
- Protein hormone
- None of these

28. 20. Hemoglobin can be qualitatively detected by:

Mark only one oval.

- Benedict's test
- Neumann's test
- Rothera's test
- Benzidine test

29. 21. Serum amylase is highly raised in:

Mark only one oval.

- Diabetes mellitus
- Liver disorders
- Acute pancreatitis
- Bone disorders

30. 22. Electrophoresis is based on the principle of:

Mark only one oval.

- Migration of charged particles in an electric field
- Dialysis
- Osmosis
- Movement of particles between stationary phase & moving phase

31. 23. Which instrument is used for quantitative estimation of constituents of body fluids in the clinical laboratory?

Mark only one oval.

- Colorimeter
- Centrifuge
- pH meter
- Fluorometer

32. 24. Process of formation of blood corpuscles is called _____

Mark only one oval.

- Haemolysis
- Haemozoin
- Haematopoesis
- Haemometer

33. 25. Red cell count is carried out by _____

Mark only one oval.

- Electrogram
- Hemocytometer
- Haemoglobinometer
- None of these

34. 26. Which anticoagulant is used for LFT, KFT & Lipid Profile?

Mark only one oval.

- Trisodium Citrate
- Heparin
- No anticoagulant required as serum specimen is preferred for the given tests
- EDTA

35. 27. To collect blood without an additive use an evacuated tube with a _____ colored stopper.

Mark only one oval.

- Red
- Black
- Lavender
- Light Blue

36. 28. International normalized ratio is calculated from:

Mark only one oval.

- Prothrombin time
- Thromboplastin time
- Active partial thromboplastin time
- Clotting factors

37. 29. Urea produced in

Mark only one oval.

- Kidney
- Liver
- Pancreas
- blood stream

38. 30. Allergic reactions are frequently associated with an increase in the presence of:

Mark only one oval.

- Lymphocytes
- Neutrophils
- Monocytes
- Eosinophils

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