**Name: - MID TERM ASSIGNMENT**

**Roll number: - BIOCHEMISTRY**

 **DPT IV**

**MARKS: - 30**

Choose the correct answer:-

1. The protein which connect extracellular matrix with inside of cell is called
2. Proteoglycan b) collagen c) integrin d) none of them
3. Proteoglycan consists of
4. Protein b) carbohydrates c) both a and b d) none of them
5. The percentage of collagen in human body is
6. 100% b) 50% c) 30% d) none of them
7. Collagen usually found in
8. Bones b) muscles c) skin d) all of them
9. Elastin is made up of which amino acids
10. Lysine b) cysteine c) serine d) none of them
11. In proteoglycan proteins combine with carbohydrates through which bond
12. Ionic b) covalent c) polar d) none of them
13. The cytoskeleton is responsible for
14. Cell shape b) cell movement c) both a and b d) none of them
15. Anabolism is a type of
16. Metabolism b) catabolism c) bioenergetics d) none of them
17. Conversion of energy is study in
18. Metabolism b) bioenergetics c) protein synthesis d) none of them
19. The process in which oxygen is needed and carbon dioxide is produced is called
20. Metabolism b) bioenergetics c) cellular respiration d) none of them
21. Cytoskeleton proteins are
22. Monomers b) dimers c) polymers d) none of them
23. In glycolysis, glucose is breakdown into
24. Pentose sugar b) pyruvic acid c) citric acid d) none of them
25. The proteins in electron transport chain are of which nature
26. Electronegative b) electropositive c) neutral d) none of them
27. Digestion of carbohydrates starts from
28. Mouth b) stomach c) intestines d) none of them
29. Which enzyme is present in mouth for carbohydrates digestion
30. Pepsin b) pepsinogen c) amylase d) none of them
31. The four proteins present in electron transport chain is called
32. Simple protein b) complex protein c) conjugated protein d) none of them
33. The protein involve in electron transport chain is
34. Flavoprotein b) heat shock protein c) collagen d) none of them
35. In how many steps glycogenesis process is completed
36. 2 b) 3 c) 5 d) none of them
37. Gluconeogenesis is the process in which glucose is obtain from
38. Non carbohydrates b) pyruvate c) lactate d) all a, b& c
39. The protein which is involved in glycogenesis process is called
40. Flavoprotein b) collagen c) elastin d) none of them
41. Which of the following is not formed during the Krebs cycle

(a) Lactate b) Isocitrate c) Succinate d) Both (a) & (b)

1. A single molecule of glucose generates \_\_\_\_\_\_\_\_\_ molecules of acetyl CoA, which enters the Krebs cycle.

(a) 4 b) 3 c) 2 d) 1

23) How many steps are involve in glycolysis

a) 8 b) c) 10 d)11)

24) ribose-5-phosphate is formed from pentose phosphate pathway which is the precursor of

a) Nucleic acid b) proteins c) carbohydrates d) none of them

25) The substance that holds the body together is

a) Elastin b) proteoglycan c) collagen d) none of them

26) Most of glycogen is store in

a) Liver b) bones c) brain d) none of them

27) The process of electron transport chain takes place in d

a) Mitochondrial matrix b) outer mitochondrial membrane c) cytosol d) none of them

28) Glycogenesis means

a) Synthesis of glycogen b) breakdown of glycogen c) synthesis of glucose d) none of them

29) Glycogenolysis means

a) Synthesis of glycogen b) breakdown of glucose c) synthesis of glucose d) none of them

30) Gluconeogenesis is the reverse of

a) Krebs cycle b) electron transport chain c) glycolysis d) none of them