**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. Cell shape The cytoskeleton is responsible for b) cell movement c) both a and b d) none of them
14. Anabolism is a type of
15. Metabolism b) catabolism c) bioenergetics d) none of them
16. Conversion of energy is study in
17. Metabolism b) bioenergetics c) protein synthesis d) none of them
18. The process in which oxygen is needed and carbon dioxide is produced is called
19. Metabolism b) bioenergetics c) cellular respiration d) none of them
20. Cytoskeleton proteins are
21. Monomers b) dimers c) polymers d) none of them
22. In glycolysis, glucose is breakdown into
23. Pentose sugar b) pyruvic acid c) citric acid d) none of them
24. The proteins in electron transport chain are of which nature
25. Electronegative b) electropositive c) neutral d) none of them
26. Digestion of carbohydrates starts from
27. Mouth b) stomach c) intestines d) none of them
28. Which enzyme is present in mouth for carbohydrates digestion
29. Pepsin b) pepsinogen c) amylase d) none of them
30. The four proteins present in electron transport chain is called
31. Simple protein b) complex protein c) conjugated protein d) none of them
32. The protein involve in electron transport chain is
33. Flavoprotein b) heat shock protein c) collagen d) none of them
34. In how many steps glycogenesis process is completed
35. 2 b) 3 c) 5 d) none of them
36. Gluconeogenesis is the process in which glucose is obtain from
37. Non carbohydrates b) pyruvate c) lactate d) all a, b& c
38. The protein which is involved in glycogenesis process is called
39. Flavoprotein b) collagen c) elastin d) none of them
40. 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