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MID TERM ASSIGNMENT

Roll number: 14838

BIOCHEMISTRY

DPT IV

MARKS: - 30

Choose the correct answer:

- 1) The protein which connect extracellular matrix with inside of cell is called
a) Proteoglycan b) collagen **c) integrin** d) none of them
- 2) Proteoglycan consists of
a) Protein b) carbohydrates **c) both a and b** d) none of them
- 3) The percentage of collagen in human body is
a) 100% b) 50% c) 30% **d) none of them**
- 4) Collagen usually found in
a) Bones b) muscles **c) skin** d) all of them
- 5) Elastin is made up of which amino acids
a) Lysine b) cysteine c) serine **d) none of them**
- 6) In proteoglycan proteins combine with carbohydrates through which bond
a) Ionic **b) covalent** c) polar d) none of them
- 7) The cytoskeleton is responsible for
a) Cell shape b) cell movement **c) both a and b** d) none of them
- 8) Anabolism is a type of
a) **Metabolism** b) catabolism c) bioenergetics d) none of them
- 9) Conversion of energy is study in
a) Metabolism **b) bioenergetics** c) protein synthesis d) none of them
- 10) The process in which oxygen is needed and carbon dioxide is produced is called
a) Metabolism b) bioenergetics **c) cellular respiration** d) none of them
- 11) Cytoskeleton proteins are
a) Monomers b) dimers **c) polymers** d) none of them
- 12) In glycolysis, glucose is breakdown into

- a) Pentose sugar **b) pyruvic acid** c) citric acid d) none of them
- 13) The proteins in electron transport chain are of which nature
a) **Electronegative** b) electropositive c) neutral d) none of them
- 14) Digestion of carbohydrates starts from
a) **Mouth** b) stomach c) intestines d) none of them
- 15) Which enzyme is present in mouth for carbohydrates digestion
a) Pepsin b) pepsinogen **c) amylase** d) none of them
- 16) The four proteins present in electron transport chain is called
a) Simple protein **b) complex protein** c) conjugated protein d) none of them
- 17) The protein involve in electron transport chain is
a) **Flavoprotein** b) heat shock protein c) collagen d) none of them
- 18) In how many steps glycogenesis process is completed
a) 2 b) 3 c) 5 **d) none of them**
- 19) Gluconeogenesis is the process in which glucose is obtain from
a) Non carbohydrates b) pyruvate c) lactate **d) all a, b& c**
- 20) The protein which is involved in glycogenesis process is called
a) Flavoprotein b) collagen c) elastin **d) none of them**
- 21) Which of the following is not formed during the Krebs cycle
(a) **Lactate** b) Isocitrate c) Succinate d) Both (a) & (b)
- 22) 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

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