0000	Select one:  a. DNA polymerase I  b. DNA polymerase II  c. Helicase  d. DNA ligase  2. Metabolic alkalosis may result from
<ul><li>O</li><li>O</li><li>O</li></ul>	Select one:  a. Severe vomiting  b. Methanol poisoning  c. Uncontrolled diabetes  d. Diarrhoea
0000	<ul> <li>3. cAMP activates the enzyme</li> <li>Select one: <ul> <li>a. Tyrosine Kinase</li> <li>b. Phosphodiesterase</li> <li>c. Adenyl cyclase</li> <li>d. Protein Kinase</li> </ul> </li> <li>4. In muscles glucose 6 phosphate cannot be converted to glucose due to the absence of</li> </ul>
0 0	Select one:  a. Glucokinase  b. Hexokinase  c. Glucose 6 phosphate dehydrogenase

1. Joining of Okazaki's fragments is carried out by

•	d. Glucose 6 phosphatase
	5. Tetracycline, erythrocin and streptomycin are effective antibiotics because these inhibit
0 0 0	Select one:  a. DNA synthesis in prokaryotes  b. RNA synthesis in prokaryotes  c. Protein synthesis in prokaryotes  d. RNA synthesis in eukaryotes  6. Tumor of chromaffin cells of adrenal medulla may lead to
0 0 0	Select one:  a. Diabetes mellitus  b. Diabetes insipidus  c. Pheochromocytoma  d. Cushing's syndrome  7. The enzyme of TCA cycle involved in oxidative decarboxylation of the substrate is
• • • • • • • • • • • • • • • • • • • •	Select one:  a. Alpha ketoglutarate dehydrogenase complex b. Fumarase c. Citrate synthase d. Malate dehydrogenase  8. The metabolic function of LDL includes

0 0 0	<ul> <li>Select one:</li> <li>a. To synthesize apo-protein B-48</li> <li>b. To catabolize cholesterol</li> <li>c. To transport cholesterol from liver to peripheral tissues</li> <li>d. To transport cholesterol from peripheral tissues to liver</li> <li>9. Niemann-Pick's disease is associated with the deficiency of</li> </ul>
0 0 0	Select one:  a. Hexoaminidase-A  b. Sphingomyelinase  c. Glucose 6 phosphatase  d. Beta galactosidase  10. A molecule of DNA to which the fragment of other DNA to be cloned, is joined is called
0 0 0	Select one:  a. DNA probe  b. Oncogene  c. Cloning vector  d. Retrovirus  11. For the synthesis of leukotrienes which of the following enzymes is needed
0 0 0	Select one:  a. Fatty acyl synthase  b. Lipoxygenase  c. Oxidoreductase  d. Cyclo-oxygenase

	12. Respiratory acidosis can result due to excessive accumulation of
<ul><li>O</li><li>O</li><li>O</li></ul>	Select one:  a. Carbonic acid  b. Fumaric acid  c. Aspartic acid  d. Lactic acid  13. The most significant source of stored energy in human body is
• • • • • • • • • • • • • • • • • • • •	Select one:  a. Liver protein  b. Adipose tissue  c. Liver glycogen  d. Muscle glycogen  14. Neurotransmitter 5-hydroxytryptamine is derived from the amino acid
0000	Select one: a. Cysteine b. Cystine c. Methionine d. Tryptophan  15. Dietary fats after absorption from intestine appear in circulation as
0 0	Select one: a. HDL b. VLDL c. Chylomicrons

0	d. LDL  16. Nitric oxide is synthesized by nitric oxide synthase and is derived from which of the
	amino acids?
0000	Select one: a. Proline b. Tryptophan c. Arginine d. Histidine  17. Rotenone a fish poison, which is
0 0 0	Select one:  a. AN activator of electron transport chain  b. An activator of oxidative phosphorylation  c. An inhibitor of electron transport chain  d. An inhibitor of oxidative phosphorylation  18. DNA topoisomerases are mainly responsible for
0 0 0	Select one:  a. Proofreading  b. Unwinding of supercoils  c. Removing RNA primer  d. Joining of Okazaki's fragments
	19. Glycogen synthase and phosphorylase are reversibly regulated by

0 0 0	Select one:  a. GMP  b. UDP  c. cAMP  d. CTP
	20. CO₂, NH₃ and beta alanine are the catabolic products of
<ul><li>O</li><li>O</li><li>O</li></ul>	Select one: a. Cytosine b. Bile pigments c. Guanine d. Bile acids
<ul><li>O O O</li></ul>	21. Which of the following statements about insulin is incorrect?  Select one:  a. It stimulates gluconeogenesis  b. It stimulates glycogenesis  c. It stimulates glycogenesis  d. It inhibits glycogenolysis
	22. The conjugation of physiological active bile acids is carried out in liver with
<ul><li>O</li><li>O</li><li>O</li></ul>	Select one:  a. Glycine and taurine  b. Proline and Histidine  c. Lysine and leucine  d. Cysteine and serine

23. The committed step in cholesterol biosynthesis is

0 0 0 0	Select one:  a. Formation of lanosterol from squalene  b. Formation of Acetoacetyl SCoA from Acetyl SCoA  c. Formation of HMG SCoA from Acetyl SCoA  d. Formation of mevalonate from HMG SCoA
	24. Low pulse rate, low body temperature and bradycardia are the symptoms of
0 0 0 0	Select one:  a. Grave's disease  b. Cushing syndrome  c. Acromegaly  d. Cretinism  25. Glucose-6-phosphate dehydrogenase is needed for the synthesis of
0 0 0	Select one:  a. Xylulose-5-phosphate  b. 6 phosphogluconate  c. Ribose-5-phosphate  d. Glucose-6-phosphate

	26. Triacylglycerol present in chylomicrons is hydrolyzed by enzyme
	Select one:
0	a. Hormone-sensitive lipase
0	b. Phospholipase A2
•	c. Lipoprotein lipase
0	d. Phospholipase A1
	27. One of the enzymes of the of the glycolysis is
•	Select one:
0	a. Phosphoglycerate kinase
0	b. Pyruvate carboxylase
0	c. Pyruvate dehydrogenase complex d. Glucose-6-phosphatase
	28. In dehydrated person the body water is maintained by the infusion of
	Select one:
0	a. 5% glucose
0	b. Distilled water
•	c. 10% glucose d. 0.9% sodium chloride
	u. 0.376 souldiff chiofide
	29. All of the statements about growth hormone are correct except
0	Select one:
0	a. It decreases liver glycogen store
	b. It increases uptake of amino acid by tissues

0	c. It increases plasma glucose concentration d. It increases protein synthesis
	30. By the oxidation of odd chain fatty acids Propionyl SCoA is formed which is finally converted into
• • • • • •	Select one:  a. Succinyl SCoA  b. Fatty acyl SCoA  c. Acetoacetyl SCoA  d. Malonyl SCoA