8.	Which one is the final product of fatty acidbiosynthesis in de novo(A) oleic acid(B) myristic acid(C) palmitic acid(D) stearic acid(E) linoleic acid				
9.	 (b) steare ded (c) more ded (d) more ded (e) more ded Which one of the following statements about the <u>Ramachandran plot</u> is <u>correct</u>. (1) To describe the secondary structure of proteins. (2) To describe the tertiary structure of proteins. (3) To find the dihedral angles of phi, omega and psi in peptides. (4) To find glycine residue in allowed region. (A) 1, 2 (B) 2, 3 (C) 1, 3 (D) 1, 3, 4 (E) 2, 3, 4 				
10.	Which of the following are <u>op</u> (1) Methionine; (2) Glycine (5) Dihydroxyacetone (A) 1, 2 (B) 2, 3	tical inactive: (3) Isoleucine: (C) 3, 4	(4) Glyceralde	hyde; 2, 5	(E) 3, 5
11.	Which the following dehydrog (1) acyl-CoA DeH; (2) 3-hy (4) succinate DeH; (5) cytos (6) mitochondrial glycerol 3-p (A) 1, 2, 3 (B) 1, 3, 4	genase (DeH) can droxyl-acyl-CoA olic glycerol 3-pl bhosphate DeH (C) 1, 3	generate the <u>FA</u>) DeH; (3) malat hosphate DeH; 5, 6 (D)	<u>DH2</u> : e DeH; 1, 4, 6	(E) 2, 3, 6
12.	Which of the following pathw (1) Gluconeogenesis; (2) As (3) Glyceroneogenesis; (4) G (A) 1, 2, 3 (B) 2, 3, 4 (E) All of the above	ays can find the <u>i</u> partate-Argininos Glyoxylate cycle; (C) 2, 4	ntervention of the uccinate shunt; (5) Acetyl grou , 5 (D)	he malate : 1p shuttle 1, 2, 5,	
 13. Which processes are <u>NAD⁺ -dependent reactions</u>: (1) DNA ligation by eukaryotic DNA ligase; (2) DNA ligation by DNA ligase in <i>E. coli</i>; (3) ADP-ribosylation of eEF-2 by diphtheria toxin; (4) ADP-ribosylation of α subunit in Gs (G-protein, stimuli form) by cholera toxin; (5) Deacetylation of histone 4 (H4) by human sirtuin1 (Sirt1) (A) 1, 2, 3 (B) 2, 3, 4 (C) 3, 4, 5 (D) 1, 3, 4, 5 (E) 2, 3, 4, 5 					
14.	 Which one of the followings is the major one-carbon donor to produce N⁵, N¹⁰-methylene-tetrahydrofolate: 				
	(A) Alanine (B) Serine	(C) Cys	steine (D)	Glycine	(E) Choline
15.	NADH to O_2 : (1) FMN; (2) Cu^{2+} ; (3) CoQ; (4) cytochrome c; (5) cytochrome c ₁ ; (6) cytochrome b; (7) cytochrome a; (8) cytochrome a ₃ ; (A) 1, 2, 3, 4, 5, 6, 7, 8 (B) 1, 3, 4, 5, 6, 8, 7, 2 (C) 1, 3, 6, 4, 5, 7, 8, 2 (D) 1, 3, 6, 5, 4, 2, 7, 8, (E) 1, 3, 6, 5, 4, 7, 8, 2				
16.	Which one of the followings c (A) CRISPR-Cas systems (C) modification-restriction sy (E) A and C	can be as a <u>bacter</u> (B) two stems (D) A a	<u>ial innate immu</u> component syst nd B	<u>ne system</u> ? ems	