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[MBBS 0123] JANUARY 2023 Sub. Code :6056

M.B.B.S. DEGREE EXAMITION

(For the candidates admitted from the Academic Year 2019-2020)

FIRST YEAR – (CBME) PAPER II – BIOCHEMISTRY						
Time: 30 Minutes		Q.P. Code: 526056 Answer All Questions		Maximum : 20 Marks		
	se one correct answer vriting should be done. <u>(</u>		-	· ·	pt. No	
III. M	Iultiple Choice Questions	s:		(20 x	1 = 20)	
1.	The thyroid hormones T ₃ glan From which of the synthesized? A) Isoleucine	following essentia			mones	
2.	A 5-year-old mentally reta Ocular examition demons significant for osteoporosis an elevation of which of th A) Cystathionine	strates bilateral s and homocystim	lens dislocation uria. Serum alysis nnces?	s, and further wo would most likely	orkup is show	
3.	A 11 year old boy presented with a massive elevation of AFP. He has had recurrent episodes of jaundice since birth. At the age of 9, he was diagnosed with porphyria. His urine shows high succinylacetone. What is your diagnosis? A) Type I Tyrosinemia B) Alkaptonuria C) Hawkinsinuria D) Type II Tyrosinemia					
4.	A 20 year old boy with hypopigmentation. Patient What is your diagnosis? A) Tyrosinemia C) Maple Syrup Urine	has frequent epis	sodes of seizures B) Albinism	and aggressive be	haviou	
5.	All of the following are put A) Adenine	rine bases except B) Uric acid	C) Hypoxanthi	ne D) Uracil		
6.	The linkage present in a nu A) α N glycosidic linka C) Phosphoester linkage	age	B) β N glycosidD) Acid anhydri			
7.	Regarding D structure true A) The double helical strain B) The individual strain C) The individual strain	structure is stabilis nds are stabilized l	by 5'3' phosphodi	ester linkage		

- D) The term 5' end indicates that the 5' end is linked to kinetochore8. Deturation of D is done by all except,
 - A) Increasing the temperature
- B) Increasing the salt concentration
- C) Decreasing the saltwower rationanker commamide



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9.	All the following are causes of hyperuricemia except A) PRPP synthetase low activity B) HGPRTase defect C) Von Gierke's disease D) High activity of PRPP amido transferase				
10.	Mismatch repair defect causes A) Hereditary Non Polyposis Colon Cancer (HNPCC) B) Xeroderma pigmentosa C) Fanconi's anemia D) Ataxia Telangiectasia				
11.	A 50-year-old woman complains of feeling warm all of the time. Her eyes appear as though they are "bulging out of their sockets" (proptosis). She sees a family physician to evaluate her condition. Laboratory tests demonstrate a decreased level of TSH. Which of the following would you expect in this patient? A) Reduced blood pressure B) Weight gain C) Increased basal metabolic rate D) Reduced heart rate				
12.	Post transcriptiol modification of mR include all except A) 7- methyl guanosine capping B) Poly A tail B) Complete removal of introns D) R editing				
13.	Codon consists of: A) 3 base pairs B) 2 base pairs C) 5 base pairs D) 3 nucleotides				
14.	In the serum protein electrophoresis, all the following proteins are found in the α_2 band except A) Macroglobulin B) Ceruloplasmin C) Haptoglobin D) Antitrypsin				
15.	Which is true about recombint D technology? A) It requires taq D polymerase B) It is an invitro cloning process C) It requires a vector D) The equipment required is thermocycler				
16.	Diphtheria toxin inhibits A) IF1A B) EF1A C) IF2C D) EF2				
17.	The acid base status of a blood sample that was taken from a person, who was acutely hysterical was: Blood pH: 7.55 , pCO ₂ : 20 mmHg, Plasma HCO ₃ : 20 mEq/L. What is				
	the acid base disorder in this patient? A) Respiratory acidosis B) Respiratory alkalosis C) Metabolic acidosis D) Metabolic alkalosis				
18.	Which is a reverse transcriptase A) Topoisomerase B) Telomerase C) R polymerase I D) D polymerase alpha				
19.	Which of the following techniques is used for the detection of variation in D sequence A) Northern blot B) Southern blot D) All of the above				
20.	Glutamine in blood act as A) NH ₃ transporter B) Toxic element C) Stored energy D) Abnormal metabolite.				