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Date of issue :		Centre :				
Sup. Sign. :	:	Seat No. :				
	ND-20060001010	030002-O	Seat No.			
First	Year M. B. B. S	S. Exami	nation			
	December -	2021				
Biochemistry : Paper - II						
	(New CBME P	attern)				
Time : Hours]		0	[Total Marks : 80			
Instruction :						
Fillup strictly the details Name of the Examination First Year M. B. B. S. Name of the Subject: Biochemistry: Pape  Subject Code No.:	3.		Student's Signature			
	Section	A: MCQ	(20 marks)			
Instructions:						
All questions are compulsory						
<ol><li>Each MCQ has only one correct answer</li></ol>						
<ol><li>One mark for correct answer. No negative marking</li></ol>						
1 Michaelis constant (Km) of an enzyme is						
a. Dependent upon the enzyme concentration						
b. Numerically equal to ½ Vmax						

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c. Independent of pH

d. Numerically equal to substrate concentration at 1/2 Vmax

[Contd...

2 Creatine kinase level in serum is increased in:

	a.	Myocardial infarction		
	b.	Infective hepatitis		
	c.	Prostate cancer		
	d.	Intravascular hemolysis		
3	Which	enzyme is used for prepa	ring	recombinant DNA molecules?
	a.	Restriction endonuclease		
	b.	DNA Polymerase		
	c.	RNA Polymerase		
	d.	Topoisomerase		
4	Southe	ern blotting analysis is use	d fo	or all,except:
	a.	Detecting the presence o	far	nutant gene
	b.	Studying a microarray		
	c.	Visualizing DNA profile	;	
	d.	Detecting Restriction fra	gme	ent length polymorphism
5	Defici	ency of thyroxine results i	n:	
	a.	Graves disease	b.	Cushings syndrome
	c.	Myxedema	đ.	Thyrotoxicosis
6	Heme	biosynthesis does not occ	ur ir	1
	a.	Osteocytes	b.	Liver
	c.	RBC	d.	Erythroid cells of marrow
7	Which	vitamin is required for ca	rbo	xylation of clotting factors
	a.	Vitamin A	b.	Vitamin D
	C.	Vitamin E	d.	Vitamin K
8	Mitocl	nondrial DNA is		
	a.	Closed circular	b.	Nicked circular
	c.	Linear	d	. Open circular
9	Northe	ern blot is for		
	a.	DNA	b.	RNA
	c.	Protein	d.	DNA protein interaction

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10 All are regulatory sequences on DNA, EXCEPT:

	a. c.	Attenuator sequences Consensus sequences			Enhancer sequences Promoter sequences
11	Tumo	r suppressor genes are some	etim	es	called:
	a.	Antioncogenes			
	b.	Proto Oncogenes			
	Ç.	Oncogenes			
	d.	Proximate Carcinogens			
12	Conve	rsion of allopurinol to allox	anth	ir	ne is an example of:
	a.	Competitive inhibition			
	b.	Uncompetitive inhibition			
	c.	Non-competitive inhibition	n		
	d.	Suicide Inhibition			
13	Radioi	sotopes used for treatment	of th	ıyı	roid cancer is
	a.	$I^{131}$		b.	. Au <sup>198</sup>
	c.	Cs <sup>139</sup>	_	1.	Ta <sup>182</sup>
14	Chape	ron proteins play a role in			
	a.	Protein folding	ŧ	٥.	Protein misfolding
	c.	Denaturation	Ċ	l.	All the above
15	During	denaturation, all the levels	of	ı į	protein structure are disrupted, Except:
	a.	Primary Structure	b	).	Secondary Structure
	C.	Tertiary Structure	d		Quaternary Structure
16	Catabo	lite gene activator protein a	alon	g '	with cyclic AMP (CAP - cAMP)
	is asso	ciated with the function of	•		
	a.	Lac operon	b	١.	Tryptophan operon
	c.	Both of the above	d		None of the above
17	Corona	a virus is positive stranded	RNA	١.	virus having lipid bilayer with M spike
	proteir	in it. Which of the follow	ing 1	nit	trogen base is absent in genome
	of this	virus?			
	a.	Guanine			Cytosine
	c.	Thymine		d.	Adenine
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- 18 The receptor of the following hormone has intrinsic tyrosine kinase activity
  - a. Insulin

- b. ADH
- c. Steroids
- d. Glucagon
- 19 Positive nitrogen balance is seen in
  - a. Starvation
- b. Wasting diseases
- c. Growing age
- d. Intestinal malabsorption
- 20 Transmethylation of guanidoacetate gives
  - a. Creatine
- b. Creatinine
- c. Choline
- d. n-methyl nicotinamide