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MBBS: Blochons - Para 2 Part 4			
MBBS: Biochemistry Paper 2 Part 1.	ABVMUUP Paper Code: 2122130003		
Q1. Give a desired			
Give a detailed account of the trans How is it regulated? Name inhibitor	cription process. (20 marks)		
Q2. Write briefly on:	$(4 \times 5 = 20 \text{ marks})$		
(a) Multiple myeloma	(4.2 20 11.11.11)		
(b) GTT (c) Mutations —			
(d) Genetic code (10)			
Ca) Genetic code			
Q3. Multiple Choice Questions:	(Each question caries 1 mark = 10)		
a. Gene amplification can be achieve	ed by:		
A) Southern blotting	B) DNA finger printing		
Polymerase chain reaction	D) Gene cloning		
b. All the following are nucleic acid	s, EXCEPT:		
A) Plasmids P	rions C) Cosmids D) Virons		
c. Negative nitrogen balance is obse	rved in:		
A) Pregnancy	B) Chronic fever		
C) Convalescence	D) Growth period		
4 Which in the Dun of Dun of			
d. Which enzymes protects DNA fr			
A) DNA polymerase C) Deoxyribonuclease	D) Topoisomerase		
o) Dealy indifference	- Preformerase		
 e. Serum alkaline phosphatase is in 			
A) Hypothyroidism	B) Carcinoma of prostate		
Bone diseases	(P) Myocardial infarction		
f. Proximal renal tubular acidosis is	f. Proximal renal tubular acidosis is characterized by all, EXCEPT:		
A) Metabolic acidosis	B) Normal anion gap		
Urine pH of 4.5	D) Hyperchloremia		
g. Which is the anticoagulant of choi	g. Which is the anticoagulant of choice for biochemical estimation in general:		
W EDTA	B) Oxalate-flouride mixture		
C) Lithium heparin	D) Citrate		
h. Which anions are present in norm	h. Which anions are present in normal urine:		
A) Phosphate	B) Sulfate		
Chloride	D) Proteinate		
i. A patient with infective hepatitis	is likely to have all the following findings, except:		
A) Hyperbilirubinemia	B) Bilirubinuria		
Absence of bile salts in ur	ine D) Elevated AST		
j. All the techniques listed below m	j. All the techniques listed below measures proteins, except:		
A) Nephelometry	B) Flame photometry		
C) ELISA	D) Radial immunodiffusion		

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Blochemistry Paper 2 Part 2. ABVMUUP

1. Wha	at are xenobiotics? Describe the role of	glutathione in detoxification. (20 marks)
2. Writ	e short notes on:	(5 marks each = 20)
	Maple syrup urine disease	
b.	Gonadotroping	
	Oncogenes	
c.	//48	
d	Visual cycle	
23. Mu	Itiple choice questions:	(Each question caries 1 mark: Total 10 marks)
a.	In human body, highest concentration of	of ascorbic acid is found in:
	A) Liver	B) Adrenal cortex
	 C) Posterior pituitary gland 	D) Muscle
b.	The metal present in vitamin B12 is:	
U.	A) Copper	B) Cobalt
	C) Chromium	D) Manganese
	At the fata-setain level in conum is incr	eased in:
C.		B) Hepatoma
	A) Prostatic cancer	D) Nephritis
	C) Lung cancer	
	Name the defective enzyme in phenylk	cetonuria:
	A) Cystathionase	D) Flightyldidilling hydroxyrac
	C) Homogentisic acid oxidase	D) Para-hydroxyphenylpyruvate oxidase
	e. Nutritional status of a person can be as	sessed by all, EXCEPT:
	A) Serum protein estimation	B) Hemoglobin level
	C) Gain or loss in weight	D) Mid arm circumference
	f. Features of galactosemia include the fo	ollowing, EXCEPT:
	A) Cataract	B) Hepatosplenomegaly
	C) Mental retardation	D) Hemolytic anemia
	The second secon	
	g. Sunlight helps maximally in the synthes	sis of which of the following vitamin in the body:
	A) Vitamin A	B) Vitalian B
	C) Vitamin C	D) Vitamin D
	All the following are characteratics of the	nalassemia major, EXCEPT:
	All the following are characteristics of thalassemia major, EXCEPT: A) It is manifested when the affected genes are in homogenous state	
	B) It is the result of gene deletion	
	C) It is a common molecular disease in India	
	D) It is incompatible with life	
	i. Nyctalopia (abnormal inability to see in	dim light) is due to the deliciency of:
	A) Vitamin K	B) Vitamin E D) Vitamin A
	C).Vitamin B12	
	j. Steroid hormones are produced from:	생생님 이번 이번 없었다면 하고 하는 것이 없었다.
	j. Steroid hormones are produced from: A) Purine	B) Pyrimidine
	C) Cholesterol	D) Stercobilinogen

Max marks 50