

TALEEMI DUNYA

Test Syllabus: Unit # 20

St. Name		Test	Biology	T. Marks	30	Time	60 Min
F.Name		Class	12 th	T. Code	U#20	T. Date	

NOTE: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that Question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question. **6x1=6.**

1	Phenylketonuria is well known example of:						
(a)	Deletion	(b)	Inversion	(c)	Insertion	(d)	Point mutation
2	Which one of the following is stop signal during transcription?						
(a)	CA	(b)	GA	(c)	GC	(d)	TA
3	X-ray diffraction analysis of DNA was performed by ____ :						
(a)	Erwin Chargaf	(b)	Watson and Crick	(c)	Rosalind Franklin	(d)	Charles Darwin
4	Number of chromosomes present in honey bee are ____						
(a)	6	(b)	20	(c)	32	(d)	40
5	A gene start with initiation codon, which encodes the amino acid methionine:						
(a)	UAA	(b)	UAG	(c)	AUG	(d)	UGG
6	Amino acid attachment site of tRNA is ____ :						
(a)	G-end	(b)	2' end	(c)	3' end	(d)	5' end

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Q.2 Write short answers of the following questions.

(6x2=12)

1. Give the role and types of RNA .
2. Define Karyotype.
3. Define nucleosome.
4. What are mutagens? Give an example?
5. What is genetic code?
6. What is the function of RNA polymerase?

Q.3 Answers of the following briefly.

(6+6=12)

- 1 Write about Meselson and Stahl experiment to show semi-conservative replication of DNA.
2. Write detailed note on regeneration .