

Student Roll No

Example Roll No

ہال میں سواہل ٹون لانا ہلکل سٹجے

Paper Code: 76

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

2	3	4	7	2
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3	<input checked="" type="radio"/>	3	3	3
4	4	<input checked="" type="radio"/>	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	<input checked="" type="radio"/>	7
8	8	8	8	8
9	9	9	9	9

MRD-XII-17 (A)
BIOLOGY – (Part-II)
(Fresh / New Course)

Total Time: 3hrs

Total Marks:85



BI012A

Time: 20min

"SECTION – A"

Marks: 18

Q. 1 Choose the correct option i.e. A,B,C, and D.

- Kidney is surrounded by
 - Renal pleura
 - Renal pericardium
 - Renal peritoneal
 - None
- Which muscle is striated and single nucleated
 - Cardiac
 - Smooth
 - Skeletal
 - All
- Parathormon control balance of
 - Na⁺
 - K⁺
 - Ca⁺⁺
 - Mg⁺⁺
- Cartilage consist of collagen
 - Type I
 - Type II
 - Type III
 - Type IV
- Every adult healthy male makes about Sperm.
 - 400 million
 - 800 million
 - 200 million
 - 100 million
- In chromosome terminal end is called
 - Centromere
 - Satellite
 - Telomere
 - None
- AB Blood group is an example of
 - Co-dominance
 - Over dominance
 - Complete dominance
 - None
- Identical twins result from fertilization of
 - One ovum → one sperm
 - One ovum → two sperms
 - two ovum → two sperms
 - None
- Which one is initiating codon?
 - AUG
 - GUA
 - UGA
 - UAA
- GAATC is recognition sequence of
 - BamH₁
 - BamH₂
 - Hind III
 - ECOR I
- Olfactory bulb is associated with sense of
 - Touch
 - Hearing
 - Smell
 - Pain
- Gigantism is occur when GH overserrection occur
 - Before puberty
 - After puberty
 - at birth
 - None
- Generally chromosome is composed of Protein.
 - 40%
 - 60%
 - 80%
 - 100%
- How many papillae are present on tongue?
 - 4
 - 8
 - 12
 - 16
- Haemoglobin is a
 - Lipoprotein
 - Longugated protein
 - Metaloprotein
 - None
- Urine formation occurs in
 - One step
 - Two steps
 - Three steps
 - Four steps
- Which one is not part of axial skeleton?
 - Ribs
 - Vertebral columna
 - Skull
 - Pelvic girdle
- Replication origin in Eukaryton are
 - 1
 - 5
 - 10
 - Many

MRD-XII-17 (A)
BIOLOGY - (Part-II)
(Fresh / New Course)

P-245

Time Allowed: 2:40 Hrs

Section – B & C

Total Marks: 67

“Section – B”

Marks: 40

Q. 2: Write short answer of any TEN of the following parts. Each part carries equal marks.

- (i) Explain the transport of CO₂ as bicarbonate in blood?
- (ii) Shortly explain renal corpuscle?
- (iii) What is bone? Explain its composition.
- (iv) Write function of spinal cord.
- (v) What are the effects of hypothyroidism?
- (vi) Explain territorial behavior.
- (vii) Syphilis a sexually transmitting disease. Explain.
- (viii) Explain process of placentation.
- (ix) What is meant by co-dominance and over dominance?
- (x) What is the conclusion of Avery's experiment?
- (xi) Discuss the process of denitrification.
- (xii) What are the aims and goals of human genome project?
- (xiii) Describe the structure of chromosome.

“Section – C”

Marks: 27

NOTE: Attempt any THREE questions. Each question carries equal marks.

Q. 3: (a) What is voluntary and involuntary control?

(b) Describe the structure of human respiratory system.

Q. 4: Explain the process of gene cloning with the help of recombinant DNA technology.

Q. 5: Explain menstrual cycle.

Q. 6: Write note on any TWO of the following:

a) Spermatogenesis

b) Pituitary gland

c) Tuberculosis