

CHAPTER TEST -4
BIO-ZOOLOGY

Std / Dept : 12

Time Allowed : 40 MIN

Max. Marks : 20

MULTIPLE CHOICE QUESTION

5 * 1 = 5

1. If the child's blood group is 'O' and father's blood group is 'A' and mother's blood group is 'B' the genotype of the parents will be

a) $I^A I^A$ and $I^B I^B$	b) $I^A I^o$ and $I^B I^o$
c) $I^A I^o$ and $I^B I^o$	d) $I^o I^o$ and $I^B I^B$
2. In an accident there is great loss of blood and there is no time to analyse the blood group which blood can be safely transferred?

a) O and Rh negative	b) O and Rh positive
c) B and Rh negative	d) AB and Rh positive
3. ABO blood group in man is controlled by

a) Multiple alleles	b) Lethal genes
c) Sex linked genes	d) Y-linked genes
4. What can be the blood group of offspring when both parents have AB blood group?

a) AB only	b) A, B and AB
c) A, B, AB and O	d) A and B only
5. Which of the following phenotypes in the progeny are possible from the parental combination $A \times B$?

a) A and B only	b) A, B and AB only
c) AB only	d) A, B, AB and O

VERY SHORT ANSWER

2 * 2 = 4

6. Brief about female heterogamety.
7. What is Lyonisation?

SHORT ANSWER

2 * 3 = 6

8. What is haplodiploidy?
9. Explain the genetic basis of ABO blood grouping in man.

LONG ANSWER

1 * 5 = 5

10. What are the applications of Karyotyping?

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