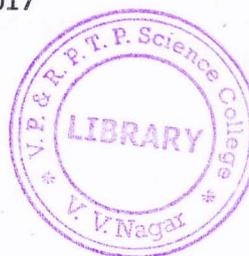


V P & R P T P SCIENCE COLLEGE

5TH SEM INTERNAL TEST 2017

US 05 CZOO 05

DATE: 07/10/2017



TIME: 11.00-12.30 PM

MARKS: 25

Q-1 MULTIPLE CHOICE QUESTIONS:

[03]

- 1:2:1 ISHYBRID INTERACTION
A, MONO B, DI C, TRI D, MULTIPLE
- ALLELES FOR BLOOD GROUP "A" are
A, I^AI^O B, I^BI^O C, I^AI^B D, I^OI^O
- GENERALLY CHIASMATA FOUND DURING
A, PROPHASE B, METAPHASE C, ANAPHASE D, TELOPHASE

Q-2 ANSWER IN SHORT [ANY TWO]

[04]

- WRITE, WHY MENDEL SELECTED PEA PLANT FOR EXPERIMENTS?
- WRITE ABOUT MITOCHONDRIAL DNA
- WRITE ABOUT CHROMOSOMES OF DROSOPHILA

Q-3 A, EXPLAIN INCOMPLETE DOMINANCE EXAMPLE IN DIHYBRID CROSS

[03]

B, WHAT ARE LETHAL GENES? EXPLAIN

[03]

OR

Q-3 A, EXPLAIN LAW OF SEGREGATION

[03]

B, EXPLAIN 9:3:3:1 RATIO IN ANIMALS

[03]

Q-4 WHAT IS EPISTASIS? EXPLAIN RECESSIVE EPISTASIS

[06]

OR

Q-4 EXPLAIN MULTIPLE ALLELES IN ASPECT OF SKIN COLOUR

[06]

Q-5 A, EXPLAIN HETEROGAMETIC MALE

[03]

B, EXPLAIN X LINKED GENES

[03]

OR

Q-5 A, EXPLAIN KINDS OF CROSSING OVER

[03]

B, WHAT IS GENE LINKAGE? EXPLAIN CHROMOSOME THEORY

[03]