

V P & R P T P SCIENCE COLLEGE

5<sup>TH</sup> SEM INTERNAL TEST 2013

US 05 CZOO 03

TIME: 1.00-2.00 PM

DATE: 0<sup>3</sup>/<sub>5</sub>/01/2013

MARKS: 30



Q-1 MULTIPLE CHOICE QUESTION:

[06]

1. FORMALDEHYDE IS USED TO FIX.  
A, ENZYMES      B, LIPIDS      C, NUCLEIC ACID      D, ALL
2. JENUS GREEN B IS  
A, BASIC STAIN      B, ACIDIC STAIN      C, NEUTRAL STAIN      D, NONE
3. PLASMA MEMBRANE CONSTITUENTS  
A, LIPID      B, EXTRINSIC PROTEIN      C, INTRINSIC PROTEIN      D, ALL
4. ENDOPLASMIC RETICULUM IS ALSO ACT A  
A, TRANSPORTATIONS      B, ATP PRODUCTION      C, PROTEIN SYNTHESIS      D, NONE
5. IF CENTROMERE FOUND IN CENTRE IN CHROMOSOME IS  
A, TELOCENTRIC      B, ACROCENTRIC      C, SUBMETA CENTRIC      D, METACENTRIC
6. EUPLOIDY IS THE VARIATION OF CHROMOSOMES IN  
A, n      B, n-1      C, n+1      D, n+2

Q-2 ANSWER IN SHORT [ANY THREE]

[06]

1. WRITE ABOUT BASIC STAIN
2. WRITE ABOUT FREEZING MICROTOME
3. WHAT IS SELECTIVE PERMEABILITY
4. DRAW A LABELED DIAGRAM OF GOLGI BODY
5. WRITE ABOUT DUPLICATION IN CHROMOSOMAL VARIATIONS
6. WRITE ABOUT NUCLEUS

Q-3      A, DESCRIBE HPLC      [03]  
            B, EXPLAIN RADIO IMMUNE ESSAY      [03]

OR

Q-3      A, EXPLINE SEM      [03]  
            B, DESCRIBE CELL FRACTIONATION      [03]

Q-4      A, EXPLAIN POLYMORPHISM IN LYSOSOME      [03]  
            B, LIST OUT ENZYMES IN LYSOSOMES      [03]

OR

Q-4      A, DESCRIBE STRUCTURE OF MITOCHONDRIA  
            [03]  
            B, EXPLAIN FUNCTIONS OF ER  
            [03]

Q-5      DESCRIBE GIANT CHROMOSOMES      [06]

OR

Q-5      DESCRIBE PLOIDY IN CHROMOSOMES      [06]