

V P AND R P T P SCIENCE COLLEGE

VALLABH VIDYA NAGAR

INTERNAL TEST – MARCH 2014

US O6 CZOO 05

DATE: 14/03/14

TIME: 3.30-5.00 PM

TOAL MARKS-30

Q-1 SHORT QUESTION [ANY THREE]

[06]

1. DRAW A STRUCTURE OF DNA
2. WRITE ABOUT POLYMORPHISM IN DNA
3. WHAT IS PLASMID AS VECTOR?
4. WRITE RADIOACTIVE LABELING OF PROBE
5. WRITE DISAGGREGATION BY ENZYME
6. DEFINE SUPEROVULATION



Q-2 [A] DESCRIBE REPLICATION OF DNA IN EUKARYOTES

[04]

[B] EXPLAIN DIRECT EVIDENCE OF DNA

[04]

Q-2 EXPLAIN PROTEIN SYNTHESIS AND ENZYMATIC GENE REGULATION IN EUKARYOTES IN DETAIL [08]

Q-3 [A] WRITE ABOUT RESTRICTION ENZYMES

[04]

[B] DEFINE cDNA AND ITS LIBRARIES

[04]

OR

Q-3 WHAT IS BASIC PCR? STATE ITS APPLICATIONS

[08]

Q-4 [A] EXPLAIN COVERSIP CULTURE

[04]

[B] EXPLAIN FLASK CULTURE

[04]

OR

Q-4 DESCRIBE IVF, ITS CAUSES OF INFERTILITY AND ASSESSMENT OF PATIENT

[08]