PRACTICE EXCERCISE

1. DRAW WELL LABELLED DIAGRAM OF ORTHOTROPOUS OVULE.
2. WHAT IS DOUBLE FERTILISATION?
3. DESCRIBE THE TYPES OF ENDOSPERM.
4. DRAW DIFFERENT STAGES OF EMBRYO DEVELOPMENT.
5. DESCRIBE SOMATIC &GERMINAL VARIATIONS WITH EXAMPLES
6. DRAW A CROSS BETWEEN HOMOZYGOUS DOMINANT & HOMOZYGOUS RECESSIVE PARENTS.GIVE PHENOTYPIC & GENOTYPIC RATIO.
7. EXPLAIN DIHYBRID CROSS WITH A CHECKER BOARD.
8. WHAT IS TEST CROSS? WHAT IS ITS UTILITY?
9. EXPLAIN STEPS OF CROSSING OVER WITH SUITABLE DIAGRAMS
10. DESCRIBE FACTORS AFFECTING LINKAGE.
11. EXPLAIN SEX LINKED INHERITANCE WITH THE HELP OF CROSS.
12. EXPLAIN TYPES OF CHROMOSOMAL MUTATIONS.
13. NAME DIFFERENT TYPES OF GENETIC DISORDERS WITH ONE EXAMPLE OF EACH.
14. DIFFERENTIATE DNA & RNA.

- 15.EXPLAIN STEPS OF REPLICATION & TRANSCRIPTION.
- 16.DESCRIBE MACHINARY REQUIRED FOR TRANSLATION.
- 17.WHAT IS GENETIC CODE. WHAT ARE ITS CHARACTERASTICS.
- 18.DESCRIBE LYTIC CYCLE WITH SUITABLE DIAGRAM.
- 19.DESCRIBE INDUCIBLE OPERON &REPRESSIBLE OPERON.
- 20. WRITE SHORT NOTES:
- A} SPLICING.
- B} BACK CROSS
- C} OKAZAKI FRAGMENTS
- D }DNA POLYMERASES
- E} t RNA