



## PART - C

III. Answer **any three** of the following.

(3×10=30)

- 15) Write an elaborative note on autosomal dominant inheritance with any two examples.
- 16) Give a detailed note on genetic counselling. Add a note on role of pedigree.
- 17) Explain the genetics of immune system.
- 18) Give a detailed note on genes involved in cancer formation.
- 19) Explain Amniocentesis and Chorionic villus sampling.

## PART - B

II. Answer any five of the following.

- 8) Explain the inheritance of phenylketonuria.
- 9) Describe FACS with a diagram.
- 10) Differentiate Benign and Malignant tumors.
- 11) Write a note on humoral and cell mediated immune response.
- 12) Explain transplantation.
- 13) What are the advantages and limitations of dermatophytosis?
- 14) Write a note on cord blood banking.