



DCGN – 101

I Semester B.Sc. Examination, May/June 2022

(NEP Scheme)

GENETICS

Cell Biology and Genetics

Time : 2½ Hours

Max. Marks : 60

Instruction : Draw diagrams *wherever* necessary.

SECTION – A

I. Answer **any six** of the following questions : (6×2=12)

- 1) Phagocytosis.
- 2) Golgi bodies.
- 3) Heterochromatin.
- 4) Cell senescence.
- 5) Back cross.
- 6) Non Epistasis.
- 7) Malignant tumour.
- 8) Interference.
- 9) Idiogram.



SECTION – B

II. Answer **any four** of the following questions : (6×4=24)

- 10) Write the structure and function of mitochondria.
- 11) Describe the structure of lampbrush chromosome.
- 12) Mention the differences between Mitosis and Meiosis.
- 13) Explain Law of Independent Assortment with dihybrid cross.
- 14) What are supplementary gene interaction ? Explain it with an example.
- 15) Explain mitotic apparatus.

P.T.O.