(2)

Write about the method of DNA hybridization

2018

Time: 2 hours

Full Marks: 40

Answer all questions

The figures in the right-hand margin indicate marks

Candidates are required to answer in their own words as far as practicable

Draw neat labelled diagrams wherever necessary

## (MOLECULAR BIOLOGY, BIOTECHNOLOGY AND GENETIC ENGINEERING)

1. Give a brief account on regulation of Gene expression. 14

Or

Write notes on any two of the followings:

- (i) Double helical structure of DNA
- (ii) DNA replication
- (iii) Muton.

M.Sc.-L.Sc.-HS (722)

 $7 \times 2$ 

(iii) Centrifugation.

Or

Write notes on any two of the followings:

(i) Nucleic acids

and its applications.

13

- (ii) C-yalue paradox
- (iii) Proteins.
- 3. Describe the principles and types of Chromatography. 13

Or

Write notes on any two of the followings:

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- (ii) Spectrophotometry