

2017

(January)

Full Marks : 40

Time : 2 hours

All Question carry equal marks.

*Answer **all** questions*

(Cell Biology and Genetics)

1. What is cytoskeleton ? Describe its components with organization and function. (14)

OR

Write short notes on the following : (7x2=14)

- (a) What are RER and SER ?
- (b) What is the relation between lysosome and cancer ?

2. What is translocation ? How does it may be produced ? Give some features of translocations found in animals and plants. (13)

OR

Write short notes on the following : (6½x2=13)

- (a) What is Crossing over ? Summarize the important features.
- (b) Write briefly on Hardy – Weinberg Law.

3. Describe the mechanism of programmed cell death (PCD) in mammals. (13)

OR

Write short notes on the following : (6½x2=13)

- (a) What are the cytological changes occur in cancer cells ?
 - (b) What is Cdk ? How Cdks are activated ?
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