

HG(2)—Z (3)

2020

Time : 3 hours

Full Marks : 75

Pass Marks : 34

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer **five** questions, selecting at least **two** from each Group.

**Group – A**

1. Give an account of the molecular organization of Plasma membrane.
2. Describe the ultrastructure of mitochondria.
3. Explain the structure and functions of 70S ribosomes.
4. Describe the structure and functions of micro-filaments.

OR

TT – 20/1

(Turn over)

What are microtubules ? Explain the mechanism of their formation.

**Group – B**

5. Discuss the modifications in Mendelian dihybrid ratio 9 : 3 : 3 : 1 due to the different kinds of interaction of genes.

OR

Describe, in detail, the procedure employed in chromosome mapping.

6. Describe the mechanism of sex-determination in **Drosophila**.
7. Give an account of aberrations in chromosome structure and their genetic consequences.
8. Write an essay on non-chromosomal inheritance.



https://www.lnmuonline.com

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

TT – 20/1 (12,000)

(2)

HG(2)—Z (3)