No.	:	
	No.	No. :

Total No. of Questions: 11]

[Total No. of Printed Pages : 3

BPF-2189

M.Sc. (Final) Examination, 2022 ZOOLOGY

Paper - VII(a)

(Cell Biology)

Time: 3 Hours [Maximum Marks: 75

Section-A (Marks : $2 \times 10 = 20$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries2 marks.

Section–B (Marks : $5 \times 5 = 25$)

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 5 marks.

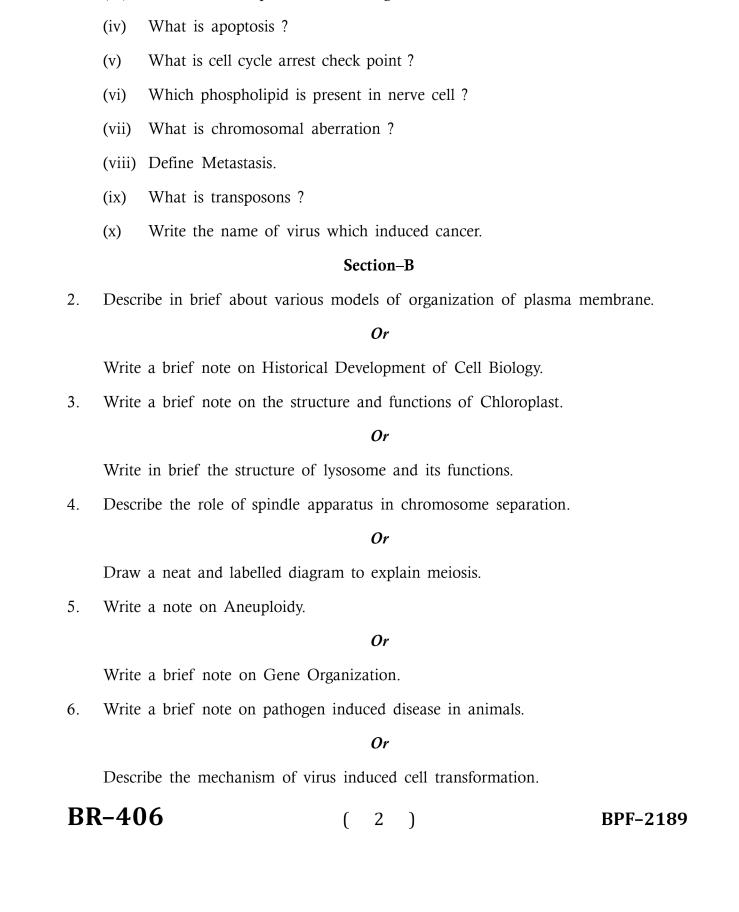
Section–C (Marks : $10 \times 3 = 30$)

Note: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

- 1. (i) What is structural and functional unit of muscle?
 - (ii) What is ion channels?

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What is action potential of resting state?

(iii)

Section-C

- 7. Write a note on mechanism of sorting and regulation of intracellular transport.
- 8. What is Cytoskeleton ? Give a brief account of its role in plasma membrane formation.
- 9. Write brief notes on the following:
 - (i) Operon.
 - (ii) Colchicine.
- 10. Explain therapeutic interventions of uncontrolled cell growth.
- 11. Write a note on Interrupted Gene and Repetitive DNA and its significance.