

TEST NO.5**CH – 5****BIOLOGY****Time Allowed: 15 Minutes****CLASS 9TH – 2020****Paper: (Objective Type)****Maximum Marks: 12**

Note : Write answers to the questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the circle in front of A, B, C or D with pen ink to each question on the answer sheet provided.

S.NO	QUESTIONS	(A)	(B)	(C)	(D)
1	Interphase divided in _____ steps.	Three	Two	Five	Four
2.	Phases of mitosis are.	One	Two	Three	Four
3.	Tumors are produced as a result of errors in.	Meiosis	Aitosis	Binary fission	Multiple fission
4.	The phase in which cell prepares proteins that are essential for production of spindle fibers called.	G-1 Phase	G-2 Phase	S-Phase	G ₀ -Phase
5.	In which phase of cell division spindle fibers appear?	Prophase	Metaphase	Telophase	anaphase
6.	Change in genes is called	Regeneration	Mutation	Growth	Budding
7.	Which of the following phase of cell division reduction division?	Meiosis-1	Meiosis-II	Mitosis	Anaphase
8.	In which stage of cell cycle the cell is preparing enzymes for chromosomes duplications?	S	M	G-2	G-1
9.	Division of cytoplasm is called.	Karyokinesis	Phragmoplast	Phagocytosis	Cytokinesis
10.	Those cells which give rise to gametes are.	Somatic cells	Spindle fibers	Germ line cells	Synapsis
11.	The phase in which S-phase cell duplicates it G ₀ -phase chromosomes.	G-1	S-Phase	G-2 Phase	G ₀ - Phase
12.	Programmed cell death is called.	Apoptosis	Necrosis	Osmosis	Meiosis

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D					
1	(A)	(B)	(C)	(D)	4	(A)	(B)	(C)	(D)	7	(A)	(B)	(C)	(D)	10	(A)	(B)	(C)	(D)	13	(A)	(B)	(C)	(D)
2	(A)	(B)	(C)	(D)	5	(A)	(B)	(C)	(D)	8	(A)	(B)	(C)	(D)	11	(A)	(B)	(C)	(D)	14	(A)	(B)	(C)	(D)
3	(A)	(B)	(C)	(D)	6	(A)	(B)	(C)	(D)	9	(A)	(B)	(C)	(D)	12	(A)	(B)	(C)	(D)	15	(A)	(B)	(C)	(D)

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A, B, C, D کو بچھن کی سیای یا مار کر سے اس طرح پڑھ کرین کہ سیای دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پڑھ کر نئے یا کاٹ کر پڑھ کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO.5

CH -5

BIOLOGY

Time Allowed: 1:45 hours

CLASS 9TH – 2020

Paper : (Essay Type)

Maximum Marks: 48

(PART – I)

2. Write short answers to any FIVE (5) questions: 10

- (i) What is Anaphase?
- (ii) Define Apoptosis.
- (iii) Define Homologous Chromosomes.
- (iv) What is Go Phase?
- (v) What is Budding?
- (vi) Define crossing over.
- (vii) Define G1 Phase?
- (viii) Define G2 Phase?

3. Write short answers to any FIVE (5) questions: 10

- (i) What is Interphase?
- (ii) Define Mitosis. Which biologist discover Meiosis?
- (iii) Define Malignant.
- (iv) What is Cell cycle?
- (v) What is Metaphase?
- (vi) What is Tumor and what are benign and Malignant Tumors?
- (vii) What is difference phase of mitosis?
- (viii) What is Meiosis.

4. Write short answers to any FIVE (5) questions: 10

- (i) Define Metastasis.
- (ii) Define Telophase.
- (iii) Define Karyokinesis.
- (iv) Define spindle.
- (v) Write significance of Meiosis.
- (vi) Define Cytokinesis?
- (vii) Define Synapsis?
- (viii) Define Phragmoplast.

(PART – II)

Note: - Attempt any TWO questions.

- 5. a) What is apoptosis? Describe Series of events in Apoptosis. 4
- b) What is cell cycle and describe all the phases of interphase in detail. 5
- 6. a) Explain the changes which take place during prophase of mitosis. 4
- b) Write a Short note Necrosis. 5
- 7. a) Describe the Significance of Meiosis. 4
- b) Describe Prophases of Mitosis in detail. 5