FBD-12-G2-19
Roll No.:
-11

Roll No.	:	

Objective Paper Code

Intermediate Part Second (New Scheme) BIOLOGY (Objective) GROUP - 11

8462

Time: 20 Minutes Marks: 17

You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.

S.#	Questions	A	В	C	D	
1	The active uptake of sodium ions in the loop of Henle is provided by the action of hormone:	Insulin	Aldosterone	Oxytocin	Adrenaline	
2	Fresh water protozoans pump out excess water by:	Food vacuoles	Cilia	Contractile vacuoles	Pseudopodia	
3	The disease which causes immobility and fusion of vertebral joints is called:	Sciatica	Microcephaly	Arthritis	Spondylosis	
4	Number of cervical vertebrae in human is:	7	5	12	9	
5	Galls are growth on plants that are induced by:	Fungi	Parasites	Insects	Protozoans	
6	Oviduct opens into:	Uterus	Cervix	Vagina	Bladder	
7	Decrease of FSH and increase of estrogen cause pituitary gland to secrete:	Progesterone	Luteinizing hormone	Lactogen	Oxytocin	
8	Which type of light favours elongation of cells in plants?	Yellow	Green	Red	Blue	
9	Particular array of chromosomes that an individual possess is called:	Genome	Cupotype	Phenotype	Karyotype	
10	Programmed and organized process of cell death is called:	Apoptosis	Necrosis	metastasis	Metamorphosis	
11	Duplication of chromosomes occur during the phase of cell cycle:	G ₁ -phase	S-phase	G ₂ -phase	G ₀ -phase	
12	The cross which is used to find homozygous or heterozygous nature of genotype:	Reciprocal cross	Monohybrid cross	Dihybrid cross	Test cross	
13	Adult transgenic tobacco plant glowed when sprayed with substrate:	Luciferin	Luciferol	Luciferase	Luciferous	
14	Archaeobacteria can tolerate temperature up to:	50°C	70°C	100°C	120°C	
15	Moderate grazing is very helpful to maintain ecosystem:	Grassland	Desert	Tundra	Forest	
16	Drifting or floating microscopic organisms are called:	Phytoplanktons	Zooplanktons	Planktons	Photons	
17	Establishment of new forests where no forests existed before is called:	Forestation	Reforestation	Deforestation	Afforestation	

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Intermediate Part Second (New Scheme)

BIOLOGY (Subjective)

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GROUP - II

Time: 02:40 Hours

Marks: 68

SECTION - I

•	Write short answers to any EIGHT parts.	
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	they lose of water is prevented in insects and terrestrial vertebrates.	
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	" - de Weite ite two examples	
	(vii) Give two uses of biofilters.	
	the standard in Cancer patients be done:	
	- a o Denizios	
	White two modifications of environment.	
	(xii) Write two modifications of environment. (xii) Define pollution. Write only names of its four kinds.	16
	3. Write short answers to any EIGHT parts.	10
3	and the time and Compan evaluate	
	n i i Computedate	
	CO. L. Gablero phonoxy acetic acid.	
	(iii) Write two uses of 2,4 dictitors pleased active (iv) What is vernalization? Give an importance.	
	(iv) What is vernalization? Give all importance. (v) What is follicle atresia?	•
	(v) What is folicle arresta: (vi) Give some disadvantages of cloning.	
	(vii) Define crossing over. Give its importance.	
	(vii) What are multifactorial traits? Give an example.	
	 (iv) What is vernalization? Give an importance. (v) What is follicle atresia? (vi) Give some disadvantages of cloning. (vii) Define crossing over. Give its importance. (viii) What are multifactorial traits? Give an example. (ix) Differentiate between autosomes and sex chromosomes. (x) Differentiate between micronutrients and macronutrients. (xi) Define predation. Give its importance. 	
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	(x) Differentiate between micronutrients and macronutrients. (xi) Define predation. Give its importance.	
	(xii) Define primary succession.	12
	 (xi) Define predation. Give its importance. (xii) Define primary succession. 4. Write short answers to any SIX parts. (i) Define term gerontology and teratology. (ii) What is gray crescent? 	12
	(i) Define term gerontology and teratology.	
	(i) Define term gerontology and teratology. (ii) What is gray crescent?	
	Theory of Inheritance".	
	tice between heterochromatin and citien (that it	
	Differentiate between template and coding strands	
	(wi) What changes occur in dividing cell during oppolents	
	(vii) How does cell death help in multicellular development?	
	(viii) What are vestigial organs? Cive an example.	
	(ix) What do you mean by endosymbiont hypothesis?	
	in the same of the	
	SECTION - I Attempt any THREE questions. Each question carries 08 marks.	
		04
	5. (a) Describe the structure of nephron of human kidney.	04
	(b)Define succession. Discuss succession on land.	0-
	6. (a) Discuss sliding filament model of muscle contraction.	
	(b) Write a note on transformation.	0-
	The state of the s	0
	7. (a) Define nerve impulse. How is it initiated?	0
	(b) Write a note on importance of forests.	V
	n Di marakair role in photoperiodism	0
	8. (a) What are phytochromes? Discuss their role in photoperiodism.	0
	(b)Define test cross. Discuss its both cases with example.	-
	9. (a) Explain the role of nucleus in development.	0
	(b) Explain the evidences of evolution from embryology and molecular biology.	(
	In the x bratility tille evidences of evolution from and a second of the	

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