HMD

HALF YEARLY EXAMINATION- 2022

CLASS:11

BOTANY

TIME: 3.00

MARKS: 70

Instructions: 1. Check the Question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately. 2. Use Blue or Black ink to write and underline and pencil to draw diagrams. 15 x 1 = 15

PART - I

Note: i) Answer all the questions. ii) Choose the most appropriate answer from

		natives and write the options code and corresponding answe			
1.		resents gametophytic g			
	a) Prothallus	b) Thallus	c) Cone	d) Rhizophor	
2.	Identify the correctly matched pair				
	a) Actinomycetes	a) Late b			
	b) Mycoplasma	b) lumpy			
	c) Bacteria	c) crown gall			
-	d) Fungi - d) Sandal spike				
3.	Respiratory roots are p			in the least the latest the lates	
	a) Vanda	b) Dianospora	c) Cuscuta	d) Viscum	
4.	Arrange the following stages of Meiosis in order.				
	 crossing over 2. disappears. 	synapsis 3. terminalisa	ition of Chiasmata 4.	Nucleolus	
	a) 1,2,3,4	b) 2,3,4,1	c) 2,1,4,3	d) 2, 1, 3, 4	
5	The most basic amino a	ncid is			
	a) Arginine	b) Histidine	c) Glycine	d) Glutamine	
6.	In Gymnosperms, the activity of sieve cells are controlled by				
	a) Nearby Sieve tube members		b) Phloem parenc	b) Phloem parenchyma cells	
5.	c) Nucleus of Companion cells			d) Nucleus of albuminous cells.	
7.					
	a) Phellem	b) Phellogen	c) Xylem	d) Vascular	
	cambium				
8.	Match the correct combination.				
	Minerals	Role			
	A. Molybdenum	1. Chlorophyll			
	B. Zinc	2. Methionine			
	C. Magnesium	3. Auxin			
	D. Sulphur	4. Nitrogenase			
	a) A-1	B - 3	C- 4	D-2	
	b) A - 2	B - 1	C - 3	D-4	
	c) A - 4	B - 3	C-1		
	d) A - 4	B - 2	C-1	D-3	
9.	Stomata of a plant ope	en due to		AND THE RESERVE OF THE PARTY OF	
	a) Influx of k+	b) Efflux of k+ .	c) Influx of Cl	d) Influx of OH-	
10.	The compound which links glycolysis and Krebs Cycle is				
134	a) Succinic acid	b) Pyruvic acid	e) Acetyl COA	d) Citric acid	

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11.	Which one of the following method are used to b		ancy?				
	a) Scarification b) Impaction	c) stratification	d) All the above				
12.	Vexillary aestivation is characteristic of the family	-) Calamasaaa	d\ Practicacoao				
12	a) Fabaceae b) Asteraceae	c) Solanaceae	d) Brassicaceae				
13.	Which family is called as castor family a) Solanaceae b) Euphorbiaceae	c) Fabaceae	d) Apocynaceae				
14.	a) Solanaceae b) Euphorbiaceae c) Fabaceae d) Apocynaceae The two subunits of ribosome remain united at critical ion level of						
17.	a) Magnesium b) calcium	c) sodium	d) Ferrous				
15.	Which chlorophyll molecule does not have phytol						
	a) Chl a b) Chl b	c) Chl c	d) Chl d				
	PART-II	Committee of the state of the s	S. Commission				
	NOTE: Answer any six of the following Question number 24 is compulsory.						
			x 2 = 12				
16.	What is Capnophilic bacteria?	a billion of the					
79-15-15							
	Give an account of Go phase.						
	Draw the structure of ATP						
	Define Programmed Cell Death						
	Write types of phyllotaxy						
	What is Emerson's first affect?						
24.	What is Eustele ?						
	PART- III	No No 22 is some					
25	NOTE: Answer any six of the following Question No. 33 is compulsory.						
25.	Classify the Inflorescence based on origin.		$6 \times 3 = 18$				
26.	Draw the regions of root.	dal colle in Chara					
27.	Write the differences between nodes and internodal cells in Chara.						
28.	하는 경우는 그 사람들은 이렇게 가지를 살려면 하면 하면서 얼마나 얼마나 얼마나 얼마나 없는데 보세요? 이 생각이 하는데 얼마나 아니다는데 하는 아무지는데 아무지를 하는데 아무지 않는데 아무지 않는						
29.	How phosphorylase enzyme open the stomata in Starch-Sugar inter conversion theory. Differentiate Sapwood & Heartwood						
30.	Write the properties of Enzyme.						
31.	Differentiate oidium and chlamydospore						
33.	What are the functions of Nucleus.						
33.	PART-IY						
	Note : Answer all the Question.		5 x 5 = 25				
34.	Draw the outline of the life cycle of Agaricus.	(OR)					
54.	Explain the structure and function of different ty						
35.	Explain the different types of placentation with e						
	Write the role of Nitrogenase enzyme in Nitrogen	n fixation.					
36.	Differentiate Dicot stem and Monocot stem.	(OR)					
	Write the significance of photosynthesis						
27	Draw the different phases of Glycolysis's. (OR)						
37.	Write the physiological effects of Gibbrellins.						
38.	Explain the floral characters of Datura metal.	(OR)	4				
50.	Write the economic importance of Gymnosperm.						
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