a) Bacteria which release CO2 b) Bacteria which rises CO2 c) Bacteria utilise O_2 d) Bacteria release O_2 Mitch correctly. a) Root modification - ii) Opuntia b) Stem modification - iii) Carrot d) Phyliociade - iii) Nepenthes a) A-3, B-1, C-2, D-4 b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-2, D-4 b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-2, D-4 b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-4, D-2 c) A (A-2, B-4, C-1, D-3) An example for the fruit developed from apocarpous ovany a) Jackfruit b) polytheia c) Tomato d) Oryza c) Tomato d) Oryza c) Correct sequence for cell cycle a) S-M-G1-G2 b) S-G1-G2-M c) G1-S-G2-M d) M-G1-G2-S Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is wrong and reasons is right c) Choose the wrong pair a) Quinne Chincona bark b) Cork - Quercus c) Turpentine - Acacia d) Rubber - Hevea 7. In which type of chlorophyll phytol tail is not found a) chlorophyll a b) Chlorophyll b c) Chlorophyll c d) Chlorophyll-d 8. One molacule of pyruvic acid completely oxidised and gives ATP molecules. a) 12 b) 13 Part - B 9. Why do formers plant leguminous plant in crop rotations? 10. What is Binomial nomenclature? Give examples. 11. What are 4 main types of inflorescence. 12. What is meant by Quiescent center? 13. What is meant by Quiescent center? 14. What forms annual ring's and what is in Dendro Chronology? Answer any three questions. Qn. No. 78 is compulsory. 15. What are photosynthetic roots? Give example. 16. What are photosynthetic roots? Give example. 17. What are fromence former Give example. 18. What are photosynthetic roots? Give example. 19. Point out the 3 difference between mitosis and and meios. Which are photosynthetic roots? Give example. 19. Point out the 3 difference between mitosis and and meios. Which are photosynthetic roots? Give example. 19. Point out the 3 difference between mitosis and and meio	I		BIOLOGY of all box abox molida	and write the
PART-APART-A1Caphophills bacteria refers to a) Bacteria which release CO2 b) Bacteria which rese CO2 c) Bacteria utilise O2 d) Bacteria release O28X2Match correctly. a) Root modification - (C) Leaf modification - (C) Phylloclade - (P) Nepenthes a) A-3, B-1, C-2, D-4 (A-3, B-1, C-4, D-2 (A-3, B-1, C-4, D-2) (A-3, B-1, C-4, D-2)b) A-2, B-4, C-3, D-1 (A-2, B-4, C-1, D-3) (A-2, B-4, C-1, D-3)3. An example for the fruit developed from apcarpous ovary a) Jackfruit (B) polytheia (B) Correct sequence for cell cycle (B) S-M-G1-G2 (C) Correct sequence for cell cycle (B) S-G1-G2-M (C) G1-S-G2-M (C) G1-S-G2-M (C) G1-S-G2-M(M-G1-G2-S)5. Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. (B) Both statement and reasons is right (D) Both statement and reasons is right (D) Both statement and reasons is right (D) Statement is protocyle is over the statement and reasons are incorrect (D) Cork (C) Curpentine (D) Cork (C) Curpentine (D) Cork (D) Corphylic b) (D) Chlorophylic d) Chlorophyli-d (D) Cork - (D) Clorophylic b) (D) Chlorophylic d) Chlorophyli-d (D) Concephylic b) (D) Corphylic c) Chlorophylic d) Chlorophyli-d (D) Concephylic b) (D) Corphylic c) Chlorophylic d) Chlorophyli-d (D) Concephylic b) (D) Corphylic c) Chlorophylic d) Chlorophyli-d (D) Core molecule of pyruvic acid completely oxidised and gives ATP molecules. (D) 13 (D) 14 (D) 1570. What is Binomial nomenclature? Give examples. (What is meant by Quiescent center? (What is meant by Quiescent center? (What is meant by Quiescent center? (What ar Archebacteria? Give examples. (What ar Archebacteria? Give examples. <br< th=""><th>Tin</th><th>ne : 3.00 Hrs</th><th>BIO - BOTANY</th><th>Monlas . 7</th></br<>	Tin	ne : 3.00 Hrs	BIO - BOTANY	Monlas . 7
1 Answer all the questions. a) Bacteria which release O_2 b) Bacteria refers to a) Bacteria which release O_2 2. Miatch correctly. a) Root modification - ii) Opuntia b) Stem modification - iii) Opuntia c) Leaf modification - iii) Opuntia c) Leaf modification - iii) Opuntia c) Leaf modification - iii) Opuntia b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-2, D-4 b) A-2, B-4, C-1, D-3 a) A -3, B-1, C-4, D-2 d) A-2, B-4, C-1, D-3 c) An example for the fruit developed from apocarpous ovany a) S-4, C-1, D-3 a) A a example for the fruit developed from apocarpous ovany a) S-4, C-1, D-3 c) Tomato d) Oryza correct sequence for cell cycle a) S-M-G_1-G_2 b) S-G_1-G_2-M c) G_1-S-G_2-M d) M-G_1-G_2-S Statement : passage cells are seen in Endoderm is Reason: Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is right reasons is wrong c) Statement is wrong and reasons is right d) Both statement and reasons are correct. b) Both statement and reasons are incorrect c) Notific type of chlorophyll phytol tail is not found a) chlorophyll b c) Chlorophyll c d) Chlorophyll-d c) Che orophyli b c) Chlorophyll b c) Chlorophyll c d) Chlorophyll-d <			PART - A	Marks: 7
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 2. Match correctly. a) Root modification - i) Potato b) Stem modification - ii) Opuntia c) Leaf modification - iii) Carrot d) Phylioclade - iv) Nepenthes a) A-3, B-1, C-4, D-2 d) A-2, B-4, C-3, D-1 c) A-3, B-1, C-4, D-2 d) A-2, B-4, C-1, D-3 a An example for the fruit developed from apocarpous ovany a) Jackfruit b) polytheia c) Tomato d) Oryza e) Statement is by DS-G1-G2-M f) Correct sequence for cell cycle a) S-G1-G2-M c) G1-S-G2-M d) M-G1-G2-S Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is right reasons is wrong c) Statement is wrong and reasons is right d) Both statement and reasons are incorrect d) Rubber - Hevea f) Cork - Quercus c) Turpentine - Acacia d) Rubber - Hevea f) Cork - Ueurcus c) Turpentine - Acacia d) Rubber - Hevea f) Cork - Ueurcus c) Turpentine - Acacia d) Rubber - Hevea f) Answer any four questions. f) Cork - Quercus f) Why do formers plant leguminous plant in crop rotations? What is Binomial nomenclature? Give examples. Why do formers plant leguminous plant in crop rotations? What ar Arnchebacteria? Give examples. What are A main types of inflorescence. What are Arnahybes of inflorescence. What are photosynthetic roots? Give example.	1.	Caphophilic bacteria refers	to a) Bacteria which release CO	8 X 1=
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b) Stem modification - ii) Opuntia c) Leaf modification - iii) Carrot d) Phylioclade - iv) Nepenthes a) A-3, B-1, C-2, D-4 b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-4, D-2 d) A-2, B-4, C-3, D-1 d) A-2, B-4, C-1, D-3 An example for the fruit developed from apocarpous ovany a) Jackfruit b) polytheia c) Tomato d) Oryza 4. Correct sequence for cell cycle a) S-M-G ₁ -G ₂ b) S-G ₁ -G ₂ -M c) G ₁ -S-G ₂ -M d) M-G ₁ -G ₂ -S 5. Find the correct option. 5. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct b) Statement is right reasons is wrong c) Statement is wrong and reasons is right d) Both statement and reasons are incorrect b) Statement is indicated and reasons are incorrect c) Choose the wrong pair a) Quinine Chincona bark h) Cork - Quercus c) Turpentine - Acacia d) Rubber - Hevea 7. In which type of chlorophyll phylol tail is not found a) chlorophyll b) b) 13 c) 14 d) 15 11 Answer any four questions. 12 b) 13 c) 14 d) 15 11 Answer any four questions. 13. What is Binomial nomenclature? Give examples. 14. What are 4 main types of inflorescence. 15. What ar Archebacteria? Give examples. 16. What is senanual ring's and what is in Dendro Chronology? C Answer any three questions. On.No. 18 is compulsory. 15. What ar Archebacteria? Give example. 16. What are are photosynthetic roots? Give example. 17. What are A main types of inflorescence. 18. What forms annual ring's and what is in Dendro Chronology? Part - C Answer any three questions. On.No. 18 is compulsory. 18. Oraw and label the parts of Golgi complex. 3 19. What bis impotance of herbarium. 19. Point out the 3 difference between mitosis and and meios. What are are holosynthetic roots? Give example. 10. Whit the simpotance of herbarium. 11. Draw and label the parts of Golgi complex. 3 12. What the simpotance of herbarium. 13. Or the simpotance of herbarium. 14. Draw and label the parts of Golgi complex.	2.	matori correctly.		
c) Leaf modification - iii) Carrot d) Phylloclade - iv) Nepenthes a) A-3, B-1, C-2, D-4 b) A-2, B-4, C-3, D-1 c) A-3, B-1, C-4, D-2 d) A-2, B-4, C-3, D-1 c) A-3, B-1, C-4, D-2 d) A-2, B-4, C-1, D-3 An example for the fruit developed from apocarpous ovary a) Jackfruit b) polytheia c) Tomato d) Oryza c. Correct sequence for cell cycle a) S-M-G ₁ -G ₂ b) S-G ₁ -G ₂ -M c) G ₁ -S-G ₂ -M d) M-G ₁ -G ₂ -S Find the correct option. Statement i passage cells are seen in Endoderm is Reason: Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is inght reasons is wrong c) Statement is wrong and reasons is right c) Choose the wrong pair a) Quinine - Chincona bark h) Cork - Quercus c) Turpentine - Acacia d) Rubber - Hevea 7. In which type of chlorophyll phytol tail is not found a) chlorophyll a b) Chlorophyll b c) Chlorophyll c d) Chlorophyll-d d) Chlorophyll - d 11. which type of thlorophyll phytol tail is not found a) chlorophyll a b) D(14 d) 15 Part - B 4 X 2 Why do formers plant leguminous plant in crop rotations? 11. What are 4 main types of inflorescence. 12. Writ the signomial nomenclature? Give examples. 13. What is meant by Quiescent center? 14. What forms annual ring's and what is in Dendro Chronology? Part - C Answer any three questions. Qn. No. 18 is compulsory. 15. What ar Archebacteria? Give example. 17. What ar Archebacteria? Give example. 18. Oraw and label the parts of Golgi complex. 3 19. What is difference between mitosis and and meios. We 19. Point out the 3 difference between mitosis and and meios. We Part - D Answer the following questions. 10. Writ the simplicance of herbarium. 13. Oraw and label the parts of Golgi complex. 3 24. 25 25. Writ the simplicance of herbarium. 25. Oraw and label the parts of Golgi complex. 3 25. Writ the simplicance of herbarium. 25. Original tail of the parts of Golgi complex. 3 25. Writ the simplicance of herbarium. 25. Original ta pholosynthetic		a) Root modification -		Research to man
d) Phylloclade - iv) Nepenthes a) A - 3, B - 1, C - 2, D - 4 c) A - 3, B - 1, C - 4, D - 2 c) A - 3, B - 1, C - 4, D - 2 c) A - 3, B - 1, C - 4, D - 2 c) A - 3, B - 1, C - 4, D - 2 c) A - 2, B - 4, C - 1, D - 3 An example for the fruit developed from apocarpous ovany a) Jackfruit b) polytheia c) Tomato d) Oryza c) Correct sequence for cell cycle a) S - M - G ₁ - G ₂ b) S - G ₁ - G ₂ - M c) G ₁ - S - G ₂ - M d) M - G ₁ - G ₂ - S Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is wrong and reasons is right c) Statement is wrong and reasons are correct. c) Statement is wrong and reasons are incorrect d) Both statement and reasons are incorrect c) Turpentine - Acacia d) Rubber - Hevea 7. In which type of chlorophyll hytol tail is not found a) chlorophyll a b) Chlorophyll by c) Chlorophyll c d) Chlorophyll - d One molecule of pyruvic acid completely oxidised and givesATP molecules. a) 12 b) 13 c) 14 d) 15 Fart - B 11. Answer any four questions. 12. What is Binomial nomenclature? Give examples. 13. What is meant by Quiescent center? 14. What forms annual ring's and what is in Dendro Chronology? Answer any three questions. Qn. No. 18 is compulsory. 15. What ar Archebacteria? Give example. 16. What are photosynthetic roots? Give example. 17. What are Archebacteria? Give example. 18. What are photosynthetic roots? Give example. 19. What ar Archebacteria? Give example. 10. What bin given and label the parts of Golgi complex. ? 10. What bin following questions. 11. Draw and label the parts of Golgi complex. ? 13. What are cholosynthetic roots? Give example. 14. D Answer the following questions. 15. What are followi		b) Stem modification -	", oparida	Mhich type of
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c) $A - 3$, $B - 1$, $C - 4$, $D - 2$ d) $A - 2$, $B - 4$, $C - 1$, $D - 3$ a) $A - 2$, $B - 4$, $C - 1$, $D - 3$ a) $A - 2$, $B - 4$, $C - 1$, $D - 3$ a) $A - 2$, $B - 4$, $C - 1$, $D - 3$ a) $A - 2$, $B - 4$, $C - 1$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 1$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $D - 3$, $C - 3$, $D - 3$ c) $C - 3$, $C - 3$, $C - 3$, $D - 3$,		d) Phylloclade	iv) Nepenthes	
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 All example for the inful developed from apocarpous ovany a) Jackfruit b) polytheia c) Tomato d) Oryza Correct sequence for cell cycle a) S - M - G₁ - G₂ b) S - G₁ - G₂ - M c) G₁ - S - G₂ - M d) M - G₁ - G₂ - S Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is iright reasons is right c) Statement is wrong and reasons is right d) Both statement and reasons are incorrect b) Statement is wrong and reasons is right d) Both statement and reasons are incorrect c) Statement is wrong and reasons is right d) Both statement and reasons are incorrect d) Both statement and reasons are incorrect d) Both statement and reasons are incorrect c) Cork c) Ourcus c) Turpentine Acacia d) Rubber d) Rubber d) Chlorophyll b c) Chlorophyll c d) Chlorophyll - d d) Chlorophyll b c) Chlorophyll c d) Chlorophyll - d d) 13 c) 14 d) 15 Part - B Why do formers plant leguminous plant in crop rotations? 4 X 2 What are 4 main types of inflorescence. Write the type of ribosomes and units their sub unit numbers. What are 4 main types of inflorescence. What are 4 main types of inflorescence. What are photosynthetic roots? Give example. What are photosynthet	3	C) A - 3, B - 1, C - 4, D - 2		
4. Correct sequence for cell cycle a) S-M-G ₁ -G ₂ b) S-G ₁ -G ₂ -M c) G ₁ -S-G ₂ -M d) M-G ₁ -G ₂ -S 5. Find the correct option. Statement : passage cells are seen in Endoderm is Reason : Casparian stripes are not present is the cells opposite to protoxylem. a) Both statement and reasons are correct. b) Statement is right reasons is wrong c) Statement is wrong and reasons is right 6. Choose the wrong pair a) Quinine - Chincona bark h) Cork - Quercus c) Turpentine - Acacia d) Rubber - Hevea 1. In which type of chlorophyll phytol tail is not found a) chlorophyll a b) Chlorophyll b c) Chlorophyll c d) Chlorophyll - d 8. One molecule of pyruvic acid completely oxidised and gives ATP molecules. a) 12 b) 13 c) 14 d) 15 Fart - B 9. Why do formers plant leguminous plant in crop rotations? 11. What are 4 main types of inflorescence. 12. Write the type of ribosomes and units their sub unit numbers. 13. What is meant by Quiescent center? 14. What are 4 main types of inflorescence. 15. What are 4 main types of inflorescence. 16. What are photosynthetic rotols? Give example. 17. What are photosynthetic rotols? Give example. 18. What are photosynthetic rotols? Give example. 19. What are the parts of Golgi complex. 3 10. What are the parts of Golgi complex. 3 11. What are the physic Give example. 12. What are photosynthetic rotols? Give example. 13. What are photosynthetic rotols? Give example. 14. What are photosynthetic rotols? Give example. 15. What are photosynthetic rotols? Give example. 16. What are photosynthetic rotols? Give example. 17. Write the steps involved in grame stainic. 18. Draw and label the parts of Golgi complex. 3 19. Point out the 3 difference between mitosis and and meios. Wa 19. Point out the 3 difference between mitosis and and meios. Wa 19. Point out the 3 difference metanic. 10. Write the steps involved in grame stainic. 10. Write the steps involved in grame stainic. 11. What the steps involved in grame stainic. 12. Write the steps involved in grame sta	Э.	An example for the fruit deve	eloped from apocarpous ovany	
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Answer the following questions. 0. Write the steps involved in gram staining (OPIb) Main 41 and melos. (A) 2 X 5 = 2	9. F	Point out the 3 difference betw	Veen mitosis and and moios	tereteriv er
2 X 5 =			Pat D	
2 Ville the steps involved in gram staining (OP) by White the steps	1	Answer the following quest	ione a	
a) Explain the types of sclereid (OP) b) What are the difference between prokaryotes and Eukaryote	U. V	ville the steps involved in gram	staining (ODIA) White all use	2 X 5 = 10
	1 ana	i) Explain the types of sclereic	(OR) b) What are the adaption	s and Eukaryotes. Iu
loss of photorespiration. What is the name? and explain.	10	oss of photorespiration What	is the name? and authors adoption seen in the grasses to	compensate the
RSM 11 BIOLOGY PAGE -		Predicti. What		

		- ZOOLOGY (PART - A)		
I	Answer all the questions. Choose t and write the option code and the o	he most appropriate answer from the given four aternatives corresponding answer. 8 X 1= 8		
1.	Find the correct match.	the set of		
1.	i) John ray -	a) Five kingdom		
	ii) Linnaeus -	b) Cladogram		
	iii) Ernust Heackal -	c) Binomial nomenclature		
		d) Methodus plantarum		
	iv) R.H. Whittaker	b) 1 - a, 2 - b, 3 - c, 4 - d		
	a) 1 - d, 2 - c, 3 - b, 4-a	d) 1 - d, 2 - c, 3 - a, 4 - b		
	c) 1 - c, 2 - a, 3 - b, 4 - d	u) 1-u, 2-c, 3-a, 4-b		
2.	Which type of tissue forms glands?	c) Nervous d) Connective		
	aEpithelial b) Muscular	c) Nervous d) Connective		
3.	Which one is not mached	di Phyliociade & Ar Nepertnes		
	a) pepsin - stomach			
	b) Renin - Liver	04-3 B-1 C-4 D-2		
	c) Trypsin - intestine	An example for the fruit developed from apocariseus ovany		
	d) Ptyalin - mounth	al Jackfreit broot district a		
4	The slow excitation of "QRS" wave inc	licates defect		
	a) Inflammation of ventricels b) Defect	ts in bicuspid value c) Block in the caronary artemy, d) Defects in		
	atrio - ventricular node	Find the correct polyon		
5.	Glucose is reabsorbed from glomerula	ar filtrate through		
	a) Active transports b) passive tra	nsport c) Osmosis d) Diffusion		
6.	In flammation of Joints due to accumi	ulation of uric acid crystals is caled as		
	a) Gout b) Myasthenia	a gravis c) Osteoporosis d) osteomolacla		
7.	Assertion (A) : Cerebral cortex look			
	Reason : (R) : Cerebral cortex looks	gray due to the presence of unmyelinated nerve cells		
	a) (R) is correct but (A) is wrong b) (A)			
	c) (A) is correct but (R) is wrong, d)	Both (A) and (R) wrong		
8.	Serum calcium level is regulated by	in which have of chicrophill physics tailing not fourth		
1	a) thyroxine b) FSH	c) Pancreas, d) Thyroid and parathyroid		
	ATP molecules.	Part - B		
11	Answer any four questions.	4 X 2 =		
9.	Define lateral line sense organ.	Binnet '		
10.	Give notes on vermiwash.	Anewer apy four questions.		
11.	What is role of mucus cells during respiration?			
12.				
13.	Cornea transplant in humans is almost never rejected. State the reason.			
14.	List any two common uses of shellad	2. Write the type of microsomos and units they sub-unit-num.		
		Part - C		
111	Answer any three questions. Qn.N			
15.	Differentiate between probiotics and			
16.	Write the significance of the following			
10.	i) micro villi ii) Goblet cell			
17.	What is suecus extricus and name t			
	What are the effects of excess secre			
18.				
19.	What are the advantage of artifical in			
		Pat - D		
0	Answer all the questions.	2 X 5 =		
20.	Descirbe the brain of frog. (OR) Exp			
21.	Write about the meahanism and hea			
	Write a note on disordus caused due			
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	D. Tor	AN MOHAN Dr. V.G.N. MAT. HR. SE		