TJab.

COMMON HALF YEARLY EXAMINATION - 2024

*	Standa BIOL		Reg.No.
Time : 3.00 hrs	Par	- P	Marks: 70
	(Bio-Botany	on - A V-IVaua	nættakaishnan
1. Identify the Archaeba a) Acetobacter c) Treponema 2. Which of following recognitions 2.	ct answer:	ડુઝાં, b) Erwinia 'd) Methanobacte	Sankana Sankana erium
0.11 &	b) Thallus	c) Cone	d) Rhizophore
3. Vexillary aestivationa) Fabaceae4. Sequences of which	b) Asteraceae	c) Solanaceae	
	b) rRNA	c) tRNA	d) HnRNA
,	b) Leptotene open due to b) Efflux of K+	c) Pachytene	
a) Chl-a 8. Consider the follow In spring season V (i) is less active (ii) Produces a la (iii) Forms, Vesse a) (i) is correct bu	b) Chl-b ving statements. /ascular cambium arge number of xyl els with wide cavit ut (ii) & (iii) are no	ary elements. ties of these,	d) Chl-d
b) (i) is not correct c) (i) & (ii) are co d) (i) & (ii) are no	rrect but (iii) is no	t correct	

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XI Biology

Section - B

II. Answer any 4 questions. (Q.No.14 is compulsory)

What is plectostele? Give Example?

4x2=1

- 10. Differentiate Racemose and Cymose?
- 11 Why the cells of Sclerenchyma and tracheids became dead?
- 12. In which season the vessels of angiosperms are larger in size? why?
- A tree is believed to be releasing oxygen during night time. Do you believe the truthfulness of this statement? Justify your answer by giving reason.
- 14. Draw and label the structure of stomata?

Section - C

III. Answer any 3 questions. (Q.No.19 is compulsory)

 $3 \times 3 = 9$

- 15. State the Protoplasm theory.
- 16. Give an account of Gophase.
- 17 pinerences between Sapwood and Heartwood.
- 18. Write the role of nitrogenase enzyme in nitrogen fixation?
- 19. Draw and label the parts of regions of root.

Section - D

IV. Answer all the questions.

 $2 \times 5 = 10$

a) Explain the different types of placentation with example.

(OR)

- b) Give the floral characters of Clitoria ternatea.
- 21. a) i) Briefly explain Tyloses ii) Explain the path of Ascent of sap.

(OR)

b) Differences between C3 and C4 plants.

Part - II

(Bio-Zoology) - 35 marks

Section - A

			Drille Harris Inter-			
1.	Choose the corre	ect answer:		8 × 1 = 8		
1.	Which of the follow	/hich of the following have the highest number of species in nature?				
	-> Insects	b) Birds	c) Angiosperms	d) Fungi		
2.	First step in digest	ion of fat is	<u>.</u>			
	'a) Emulsification		b) Enzyme action			
	c) Absorption by la	acteals	d) Storage in adipos	se tissue		
3.	Which of the follow	ving pairing is corre	ect?;			
a) sensory nerve - afferent		b) Motor nerve - afferent				
	c) sensory nerve -	vextral	d) Motor nerve - do	rsal		
4.	The respiratory ce					
			amus c) Cerebellun			
5.	5. To which blood group does a person have A and B antigens on the surface					
	erythrocytes?					
	a) A	b) B	. c) AB	d) O		
6.	Which of the follow	wing is correctly ma	tched?	70.		
,	a) Physalia	- Portugeese m	nan of war			
	b) Pennatula	- Sea fan	7,	,		
	c) Adamsia	- Sea pen				
	d) Gorgonia	- Sea anemone	e .			
7.	Rearing of honey	oee is called	·			
	a) Sericulture	b) Lacculture	c) Vermiculture	d) Apiculture		
8. The tidal volume of a normal person is						
	a) 500 ml	b) 800 ml	c) 1100-1200 ml	d) 1200 ml		
			-			

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XI Biology

Section - B

II. Answer any 4 questions. (Q.No.14 is compulsory)

 $4 \times 2 = 8$

- 9. What are worm castings?
- 10. Differentiate male frog from female frog.
- 11. Why pseudostratified epithelium is so called ? Give reason.
- 127 How is tetany caused?
- 137 List two characteristic features of bony fishes.
- 14. Why blood is considered as typical connective tissue?

Section - C

III. Answer any 3 questions. (Q.No.18 is compulsory)

Swim black 3 x 3 = 9

Write any 3 uses of continuous excercises.

- 16. What is acute mountain sickness?
- 17 praw the neat labelled diagram of L.S. of kidney of human.
- 18. What is anastomoses?-
- 19. Differentiate flame cells from stinging cells (cnidoblast cells)

Section - D

IV. Answer all the questions.

 $2 \times 5 = 10$

- 20. a) Write a short notes on the following terms.
 - i) Clitellum /
- ii) Sarcomere
- iii) Chemical messengers

iv) Acromegaly

Soumar.

v) Melatonin and Seratonin

(OR)

- b) Draw and label the diagram of human eye.
- 21. a) Write the basic rules of nomenclature

(OR)

b) What are the effects of Smoking?
