KALLAKURICHI.

Class	•	1	9
C1435	•	T	4

E. Ganesh

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Number				

COMMON HALF YEARLY EXAMINATION - 2024 - 25

Time Allowed: 3.00 Hours		OL	$\boldsymbol{\cap}$		v
Time Anowed . 5.00 Hours	7 - 1 - 1 - 1 - 1	\mathbf{O}	$_{-}$	U	

[Max. Marks: 70

Part - I (Bio-Botany) (Marks: 35)

Section - 1

Note. (i) Answer All the questions.

(ii) Choose the most appropriate answer from the given four alternatives and write the option code and corresponding answer.

Chap 1 1. The coconut water from tender coconut represents b) Fleshy Mesocarp HE OU a) Endocarp Free nuclear Endosperm c) Free nuclear proembryo . Claq-22. Gene which suppresses other genes activity but does not lie on the same locus is called as B. Back (a) Epistatic b) Supplement only c) Hypostatic d) Codominant 3. Changing the codon AGC to AGA represents Missense Mutation b) Nonsense Mutation c) Frameshift mutation d) Deletion Mutation Chaptery. Ligase used for Joining of two DNA fragments b) Separating DNA c) DNA Polymerase reaction d) All of these Chapter 55. Solidifying agent used in plant tissue culture is Back a) Nicotinic acid b) Cobaltous chloride c) EDTA (d) Agar Chaptale. Pedogenesis refers to B. Back Chapter 87. Depletion of which gas in the atmosphere can lead to an increased incidence of skin cancer? b) Water c) Population

B Back a) Ammonia b) Methane

(d)Ozone

c) Nitrous oxide Chapter 18. Phyllanthus amarus is coming under family? Book Back Acanthaceae

b) Oleaceae

(c) Euphorbiaceae

d) Malvaceae

II. Note: Answer any four questions.

Chapter 9. In the cross of MANA/~-

4x2 = 8

In the cross of WWgg x wwGG what is the Phenotypic ratio and Fruit Colour in F,?

10. What are the Materials used to grow Microorganism like Spirulina? Chapter-4. B-Book

SECTION - II

11. Write short notes on Cybrid? Chapter-5 Book Back

12. What is Seed Ball? Chapter-6 Book Back

13. Write short note on Heterosis? Chapter-9- Book

14. Define the term Diplospory. Chapter-1 Book Back

SECTION - III

III. Note: Answer any three questions. Question No. 18 is compulsory.

3x3 = 9

15. What is Endothelium? Chapter - 1 BOOK Back

16. What is Gene Mapping? Write its uses. Chapter-3 Book Back

17. Write any three name of Culture medium Plant tissue Culture? Chapter 4. Intentor

18. What is Ten percent Law? Chapter 7. Interior

19. Write a note on Green, Manuring? chapter-9 Interior

SECTION - IV

IV. Note: Answer all the questions.

2x5=10

20. (a) Explain Polygemic Inheritance with an example? Chapter - 2 Book Back

(OR)

(b) Explain the basic concepts involved in Plant Tissue Culture? chapter - 5 Book Back Chapter-6- Book Back 21. (a) Explain different types of Hydrophytes with examples? (OR)

(b) Write the Objectives of Plant Breeding? Chapter -9 Intentor.

KK/M/12/Bio/1

PART – II (BIO-ZOOLOGY) (Max. Marks: 35) SECTION – I

i.	Note: (i) Answer all the questions (ii) Choose the most appropriate	answer from the give	n four Alternatives and
	write the option code and the	corresponding answer	8x1=8
	write the option code and the C	males produced?	
1.	In which types of Parthenogenesis are only Fer	naies produced.	d)Both a and B
	a) Arrhenotoky b) Thelytoky	and a minimum of the second se	IN BUREAU W. WIO!
2.	is the smallest human cell.	c) Ovum	(f) Sperm
	a) Nerve Cell b) Nephron	phandas cop cas sinas	Coccede as the
3.	Co - dominant blood group is	nges njaropou Estro e de	dio
	a) A 6) AB	c) B	d) O
4.	Who wrote the Book "Philosophie zoologique"		-1) 0
	a) Darwin b) Hugo de vries	© Lamarck	d) Spencer
5.	Allergy involves.	and the state of	
	(a) IgE b) IgG	c) IgA	d) IgM
<u>6</u> .	Transgenic animals are those who have		(RELIAN)
1	a) Foreign DNA in some of their Cells	6) Foreign DNA in all	their cells
	c) Foreign RNA in some of their cells	d) Foreign RNA in all	their Cells
7.	Which of the following is an r - Species	The same of the sa	Transfer don't riville (b)
	a) Human (b) Insects	c) Rhinoceros	d) Whale
8.	The Thickness of Stratospheris Ozone layer is I	Measured in /On	
	a) Sieverts Units (b) Dobson Unit	c) Melson Unit	d) Beaufort Scale
	SECTION	ON - II	a de de la recida de 19
11.	Note: Answer any four of the following que	estions.	4x2=8
	What is Apolysis? - Int 1st Chapte		runan s a maisinaid . 3.
	Write the Preventive measures of STDs.	B.B. 37d	TO SEE TO A VERY
- 1	the state of the Constant in the state of th	74 /2	
195	Define Handy Weinborn principle		mis awanA Labret II
	Which is called as "Queen of Drugs"? why?	B a series	gv. Vita asmorels of S.
	nice a baile and a little and Manatimo	Int 8th	itszeMiedt en Leithellt
W ₄₀		B·B. 10 th	the purish hands and the
ini.	Note: Answer any three of the following qu		
15	Draw a labeled Sketch of a Human Ovima 496	estions, Q.NO. 13 IS CO	mpuisory. 3x3=9
	Draw a labeled Sketch of a Human Ovum? Why t RNA is called an adapter molecule?		
17	Write short note on Filoricais	- B.B 5th	Was sewand Brid III
10	How many between the set in Italia? Now at		nulsmand in 127
10.	Write short note on Filariasis. — B.B.7th How many hotspots are there in India? Name the	em B.B II on	the Winds of Kaste to the
19.	How can you Prevent Global Warming?	2th Int General -	THE STATE OF THE STATE OF
	How can you Prevent Global Warming?/ SECTIO	N - IA	ार्क जिल्ला व अवस्थ है।
	troto i moner all the questions.		2X5=10
0	(a) Write any Five of the Assisted Reproductive (OR	technology in Detail?	Ine 3rd
	(b) Write down the Salient Features of Human	Genome Project? 5#	B·B
21.	(a) Write down the types and Mechanisms of Ini (OR	nate immunity? マガ	Chap
	(b) What is Radioactive Waste? how it can be I	Disposed? 12th sha	0
•	(b) What is Radioactive Waste? how it can be I	Managinah Ul	KK/M/12/Bio/2

Bio-Zoologn 1-HALF YEARLY +2 question paper.

1. B. Thelytory - BOOK Interior - 1 Ung E

2. D. Sperm - Int. Do you know - 2 Unit

3. B. AB - BOOK BACK - 4 Unit

4. C. Lamarck - Int - b Unit

5. A. IgE - Book Back 7 Unit

6. B. Foriegn DNA all their cell - Book
Back 9 Unit

7. B. Inselt Book Back Unit 10

8. B. Dobson Unit Book Back Unit-12

JAISANKAR. T PGT.