ARIYALUR DISTRICT

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THIRD REVISION EXAMINATION - 2025

SCIENCE

Marks: 75

Instructions: (1) Chec	ck the question paper for Hall Supervisor immedia	r fa	irness of printing.	If th	ere is any lack of fairness,inform
(2) Use I	Black or Blue ink to writ	itely	d underline and ne		
Note: This question paper	er contains four parts	e an	u undernile and pe	anch	to draw diagrams
	and parts	PΔ	RT-I		The first of the second
Note: (i) Answer all the	questions	1		4.770	12x1=12
(ii) Choose the		r fro	om the given four	alter	natives and write the option code
 To project rockets which 		red?	, ,	(:	
a. Newton's third law	of motion	b.	Newton's law of gra	vitat	tion
c. Law of conservation	n of linear momentum	d.	Both a & c	GN J	
2. 20 bulbs are connect	ed in series. If one bulb			ning	19 bulbs are joined in series and
connected to the same	power supply, the light in	the r	oom will be		
a, increased			remain the same	d.	decreased much
3isotope is used	in the treatment of cancer	- 100			
a. Radio lodine	b. Radio Carbon	C,	Radio Cobalt	d.	Radio Nickel
	the member of halogen far	nily	on reserved		
a. 17 th	b. 15 th	C.	18 th	d.	16 th
Deliquescence is due t			145		
a. Strong affinity to w		b.	Less affinity to water	er	시민들은 아이들은 얼마 살아 살아왔다.
c. Strong hatred to wa		d.	Inertness to water		
Boiling point of Ethanol	(0)				이 네를 보았다면 하시네네즘데
a. 381 K	b. 361 K	c.	351 K	. d.	341 K.
Which is formed during					
a. Carbohydrate		C.	Acetyl co. A	d.	Pyruvate
Which is called 'Heart or			Live to the second second		Attended to the second second second
a. SA node	b. AV node	c.	Purkinje fibre	d.	Bundle of His
9. 'Richmond lang effect'		- 4			PART TO STATE OF THE STATE OF T
a. Gibberellins	b. Cytokinins	c.	Abscisic acid	a.	Ethylene
10. Polyphagia is a condition			Dishetes insinidus		AIDO
a. Obesity	b. Diabetes mellitus	C.	Diabetes insipidus	a.	AIDS
11. Which of the following i		1111	notroloum	Bark	
i) Tar	ii) Coal b. I and ii		petroleum i and iii	L	i, ii and iii
 a. i only 12. An object is placed 25 of 					
	b. 16.66 cm	256 1	6 66 cm		10 cm
a. 50 cm	D. 10.00 Cm		0.00 cm	1	10 (11)
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	DAI	RT – II	1.16	
Note: (i) Answer all the q	usetions Question numb			12	7x2=14
		Jei 2	ez is compaisory.		
13. Define inertia. Give its o	high those is no Doppler of	foot	in cound	10 the	
14. Mention two cases in w	fich there is no Doppler el	necti	vity	18 T	Section of the Control of the Contro
15. Write any two features of	or natural and artificial radio	of ru	vity	Y 1/1 a	
16. What is rust? Give the e17. State whether the state	toment is true or false. If	fale	e correct the state	mer	
Colutions which as	ntain three components ar	and a	led hinary solution	HIE	
					and the state of the second
	ula of green vitriol is MgSC	4.	12		文件的 人名伊拉拉克
18. What is amalgam? Give			The state of the state of	H15 8	- and a series
19. Draw and label the structure	clure of oxysomes.		all the second	ener i	Care a second care and support the contract of
20. Fill in the blanks					
 a. Normal blood press b. The part of human l 					
D. THE Dall OF HUMAN	orain which acts as		No. 3		irus takes place?

Std: 10 - Science

22. Two bodies	have a mass rai	tio of 3:4 The f	orce applied on	the bigger ma	ass produces	anacceleration of
12 ms ⁻² .What cou	ld he the accelera	ation of the other	r body, if the san	ne force acts or	ı it.	
12 m3 .vvnat 000	4503		PART - III		1476.91	

Note .	(i) Answer all the questions.	Question number	32	is	compu	Isory.
MOTO .	(1) Willauci an aire deserver			200	" W. A. C.	er

23. a) State Boyle's law

- b) The acceleration due to gravity on the surface of the earth will be maximum at 32 KK
- What is meant by ultrasonic vibrations? 24. a)
 - State any three uses of ultrasonic vibrations b)
- What are the uses of nuclear reactor?
 What is nuclear fusion reaction? 25. a)
 - b)
- Give an example each 26. a)
 - - i) gas in liquid
- ii) solid in liquid iii) solid in solid
- 3 Define combination reaction b)
- 27. a) What is an alloy?
 - b) What are the reasons for alloying?
- 28. List out the parasitic adaptations of leech
- 29. a) What is the importance of valves in heart?

b) ;

лакс	in the following	110			
-	Column A	of the state of	120000		Column B
1.	Nissil's granules		x :.	a.	Forebrain
2.	Hypothalamus			b.	Peripheral nervous system
3.	Cerebellum		1	C.	Cyton
4.	Schwann cell		384	d.	Hindbrain

Identify the parts A, B, C and D



- Name two organisms which reproduces through budding.
- How can you determine the age of the fossils? 31. a)
 - State the applications of DNA fingerprinting technique b)
- 32. An organic compound 'A' is widely used as a preservative and has the molecular formula C2H4O2. This compound reacts with ethanol to form a sweet smelling compound 'B'
 - Identify the compound 'A'
 - Write the chemical equation for its reaction with ethanol to form a sweet smelling compound 'B' b.
 - Name the process C.

PART - IV

Note: (i) Answer all the questions. Draw diagrams wherever necessary

- 33. i)
 - b. Explain the construction and working of a 'Compound microscope'
 - a. With the help of a circuit diagram derive the formula for the resultant resistance of three resistances a) in series and b) in parallel. connected
 - b. State Ohm's law.
- a. Define atomicity 34. i)
 - b. Derive the relationship between Relative molecular mass and Vapour density.
 - a. How is ethanol manufactured from sugarcane?
 - b. Mention the IUPAC name of this compound

 CH₃ CH CH₂ OH

- 35. i) a. Name the parts of the hind brain
 - b. With a neat labelled diagram explain the structure of a neuron.

section in maid

(or)

- a. What are the advantages of using biogas?
 - b. Name two maize hybrids rich in amino acid lysine

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