## V10S

## Virudhunagar District

# Common Second Revision Test - February 2025

## Standard 10

	김영영희, 귀하다 뭐들게 그렇게 모르게 되는 하지 않았다. 하고 하는데 그렇게 하는 점점	그 얼마 그렇게 얼마나 없는 아이를 다 하는데 어디를 다 다 했다.
Time: 3.00 Hrs.	SCIENCE	Marks: 75
	5 - B. (1)(1)(1)(1) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	

		Pai	rt - I	
I.	Ans	swer all questions. Choose the c	correct answer:	12×1=12
		Inertia of a body depends on	그를 잃었다. 이번 네티는 19 전문을	
		a) weight of the object	b) acceleration due to g	ravity of the plane
		c) mass of the object	d) both a and b	
	.2)	Kilowatt hour is the unit of		
	Like		b) conductivity	
2.		c) electrical energy	d) electrical power	er
	3)	In which of the following reaction	n, the mass number de	creases by four of
		the daughter nucleus?	Maria Sala da Maria	
		a) α decay b) β decay	c) γ decay	d) neutron decay
	4)	1 mole of any substance contains	molecules.	- 23
		a) 6.023×10 <sup>23</sup> b) 6.023×10 <sup>-1</sup>	-23 c) 3.0115×10 <sup>23</sup>	d) 12.046×10 <sup>23</sup>
\$ 1	5)	Alloy used in the manufacturing of	of pressure cooker is	
		a) Brass b) Bronze		d) Duralumin
	(6)	$C_2H_5OH + 3O_2 \rightarrow 2CO_2 + 3H_2O$ is a		
347	16.5	a) Reduction of Ethanol	b) Combustion of	Ethanol
		c) Oxidation of ethanoic acid d) Oxidation of Ethanal		
	7)	Casparian strips are present in th	ie of the root.	
			c) Pericycle	d) Endodermis
8)	8)	Who is regarded as the "Father of		
		a) His-Atrio	b) William Harvey	
		c) Karl Landsteiner		
	9)	is found abundantly in lie	quid endosperm of cocon	UL.
	400	a) Auxin b) Cytokinin	c) Gibbereiline	that grows well in
	10)		d by mutation breeding	that grows wen in
		saline soil.	h) Atomita 2	
	11 70 5	a) Sharbati Sonora c) Pusa Gaurav	b) Atomita 2 d) Himgiri	Lave Lave of
	of the second	Match the following:	den en se establication	
	11)	1. Sarcoma - i) Excess	ive hunger	
		2. Carcinoma - ii) Excess	ive thirst	
			ctive tissue cancer	
			ch cancer	CHIN COLLEGE
1		a) (1)-(iii), (2)-(iv), (3)-(ii), (4)-		
		c) (1)-(i), (2)-(iii), (3)-(iv), (4)-(		
	12)	refers to the soft finely s		
		from the compaction of small old r		
	- 1211	4. 이 교회의 아니라의 경우 내용을 다 되었다면 보는 생각이 없다. 하나 이 사람이 되었다면 가장 모임하다면 보고 있다.	c) Methane	d) Coal
		Part	a. 2007 - Hell Park, 1980년 100 - Hall Hall Park, 1985년 11일 - Hall Hall Hall Hall Hall	
I.	Ansı	wer any 7 questions: [Compulso		7×2=14
		Why does the sky appear in blue o		
			sgiù Asit e sin Exire di	
	Viet of the con-	a) What is the audible range of fr	equency?	

b) What is the minimum distance needed for an echo?

18) What are the structures involved in the protection of brain?

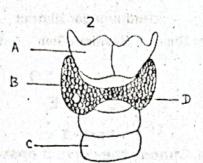
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16) Define: Atomicity

17) Why is the colour of the blood red?

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19) Identify the parts
A, B, C and D in the
given diagram.



- 20) Name two maize hybrids rich in amino acid lysine.
- 21) What is scratch?
- 22) A charge of 12 coulomb flows through a bulb in 5 second. What is the current through the bulb?

#### Part - III

## III. Answer any 7 questions: [Q.No. 32 is compulsory]

7×4=28

- Describe rocket propulsion.
- 24) Differentiate the eye defects Myopia and Hypermetropia.
- 25) i) What is an echo?
  - ii) State two conditions necessary for hearing an echo.
  - iii) What are the medical applications of echo?
- 26) i) A is a silvery white metal. A combines with O<sub>2</sub> to form B at 800°C, the alloy of A is used in making the aircraft. Find A and B.
  - ii) State two conditions necessary for rusting of iron.
- 27) Classify the following compounds based on the pattern of carbon chain and give their structural formula.
  - (i) Propane (ii) Benzene (iii) Cyclobutane (iv) Furan
- 28) i) Differentiate Aerobic and Anaerobic respiration.
  - ii) How is diastema formed in rabbit?
- 29) i) What is the importance of valves in the heart?
  - ii) Who discovered Rh factor? Why was it named so?
- 30) State the applications of DNA finger printing technique.
- 31) How does rainwater harvesting structures recharge ground water?
- 32) i) Calculate the gram molecular mass of CO<sub>2</sub>.
  - ii) If the pH of a solution is 4.5, what is its pOH?

#### Part - IV

#### IV. Answer in detail:

3×7=21

- 33) i) State Joule's law of heating.
  - ii) An alloy of nickel and chromium is used as the heating element. Why?
  - iii) How does a fuse wire protect electrical appliances?

#### (OR)

- i) Who discovered natural radioactivity?
- ii) Write any three features of natural and artificial radioactivity.
- iii) Give any two uses of radio isotopes in the field of agriculture.
- 34) i) Give the salient features of "Modern Atomic Theory".
  - ii) Write any two uses of copper.
  - iii) What is mean by binary solution?

### (OR)

- i) How does pH play an important role in everyday life?
- ii) Differentiate reversible and irreversible reactions.
- 35) i) How is structure of DNA organised?
  - ii) What is the biological significance of DNA?

#### (OR)

- i) Suggest measures to overcome the problems of an alcoholic.
- ii) What is metastasis?
- iii) Who coined the term Ethnobotany?

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