	It was the order of victoria is another	Seat No	.: _			4	*	
	GOA HEADMA SSC SECOND TERMINAL PRE					2023		
Marks	: 40 . St	ub : SCIENCE (E)			Date:	08/0	3/20	023
Γime :	1½ min	Pages: 4	TIM	E : 9.00	A.M. 7	ro 10.	30 A	.M.
INST	TRUCTIONS:	LEGS. IN A LAND SIDE VALUE		A TRACE	01001	v Res De		
(i)		estions of 10 marks each	ch.		*			
(ii)	The second secon							
(iii)	 There is no overall choice. However in and one question of 4 marks categor 							
(ii)) Begin each new question on a fresh	page.						
(iv)	r) Figures to the right indicates full man	rks.	The soul	and pull				
1. A	A Select the most correct alternative completed statement:	e given below each sta	atemen	t and w	rite the			1
i.		s during sudden muscula	ar activiti	es prod	uces	dnebi	.(6	
	a) Citric Acid							
	b) Lactic Acid							
	c) Acetic Acid							
	d) Methonic Acid							
			dienú.					
ii.								
	a) Splinter muscle					eat		
	the state of the s	To enusyrus viluon at		34		Haus		
	d) Skeletal muscle							
B. i)	i) Name the following:							2
a)								
b)		and the second s		Eka-A				
ii)								
",	in the second of decomposite in the	WHEN WE WAS RESERVED.					(11)	

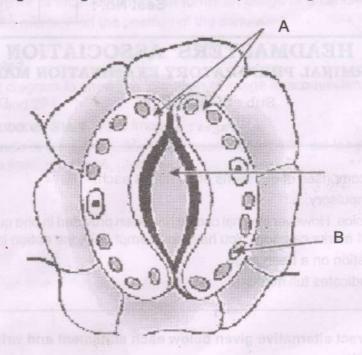
C. Answer the following:

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- i) Write one limitation of Mendeleev's periodic table.
- ii) The atomic number of element is 17. State its electronic configuration and the period to which it belongs?
- iii) The atomic size increase down the group in the modern periodic table. Give reason.

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D. Observe the given diagram and answer the questions given below it: 4



- a) Identify and Name the parts labeled 'A' and 'B'.
- b) State the function of Stomata
- c) How is the opening and closing of the pores controlled by guard cells?
- d) What is the use of Nitrogen in plants.

Q 2 A. Match the parts of Human Eye with their function

Column'A'

Column'B'

i) Iris

controls the amount of light entering the eye

ii) Pupil

- to modify curvature of the lens
- it controls size of pupils
- B. i) Name the following:
 - a) The trees for which Amrita Devi Bishnoi and others sacrificed their lives.
 - b) Ancient water harvesting structures found in Madhya Pradesh.
 - ii) Why should we conserve forests and wildlife?
- C. Anil sitting at the back bench in a classroom has difficulty in Reading from the black board.
 - i) Name the defect of vision Anil is suffering from?
 - ii) State two possible causes of this defect.
 - iii) Explain the method of correcting this defect with the help of ray diagram.

OR

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×	ii)	State the size and nature of the image	
	i)	Draw a neat diagram to show the formation of image in a concave mirror when an object is placed between F and 2F (C).	
D.	· ·	Do as directed.	4
	iii.	The wing of a bat and wing of a bird is considered as analogous characteristic and not a homologous characteristic: Justify.	
	ii.	Why it is said that father is responsible for the male child.	
	i.	Which pair of sex chromosomes determine the male sex of an offspring?	
		Answer the following:	3
C.		A baby girl is born in a Family. The family members were not happy with the girl child. They wanted a male child.	
	b)	Name the secondary consumer.	
	a)	Paddy, Snake, Grasshopper, Frog.	
	ii)	Arrange the following so as to make a four step food chain.	
	b)	Why does a ray of light changes its direction when it travels from one medium to another? Give one reason.	
	a)	State the term used to express the ratio of speed of light in one medium to that in another medium.	
	i)	A ray of light while travelling from water to air medium, the direction of propagation of light in the air medium changes.	
В.		Answer the following:	2
	ii)	C ₆ H ₁₂ : Hexane :: C ₂ H ₄ :	
	i)	Alcohol : OH :: Carboxylicacid :	
Q 3.	A.	Observe the correlation in the first pair and complete the second pair.	1
	iv)	Draw the structure of Benzene.	
	iii)	Why vegetable oils are considered a healthier option than animal fats for cooking?	
	ii)	State one point of difference between Alkanes and Alkenes with reference to its bonding between the carbonatoms.	
	i)	What are Catalyst?	
D.		Attempt the following	4
	iii)	Explain the method of correcting this defect with the help of ray diagram.	
	ii)	List its two possible causes.	
	i)	Name the defect of vision he is suffering from.	
U.		40 years old manesh is unable to see distinctly the words printed on a newspaper.	

iii) A concave mirror of focal length 15 cm forms an image of a candle light kept at adistance of 10cm from the mirror. Find the position of the candle.

OR

D. Do as directed

- i) Draw an eat diagram to show the formation of image in aconvexlens when an objectis placed between F1 and 2F1
- ii) State the size and nature of the image.
- iii) A lighted candle is placed at 0.05m from aconvex lens of focal length 10cm. Find the position of the image formed by the lighted candle.

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