

"It was only when I began to learn that my boyhood freedom was an illusion, when I discovered as a young man that my freedom had already been taken from me, that I began to hunger for it. At first as a student, I wanted freedom only for myself, the transitory freedom of being able to stay out at night, read what I pleased and go where I chose. Later, as a young man in Johannesburg,I yearned for the basic and honourable freedoms...."

Q.1 The Title that best suits this extract is:

- A Freedom for Everything
- C Significance of Freedom

- B Knowledge about Freedom
- D Realisation of Freedom

Q.2 Why do you think the speaker mention some freedom as 'transitory'?

A The freedom are momentary and keep changing with time.

B The definition of freedom is constant but perspective differ.

C Freedom means different things to different people.

D Freedom is not that important after a certain age.

Q.3 The speaker says, at first as a student I wanted freedom only for myself'. Why do you think he only thought about himself?

A He didn't want to think about the freedom denied to others.

B He was selfish and was only bothered about himself.

C He did not think that freedom denied to him was important for others.

D He was too young to realise that freedom was denied to others as well.

Q.4 A part of the extract has been paraphrased. Choose the option that includes the most appropriate solution to the blanks in the given paraphrase of the extract.

The speaker's belief about freedom, since childhood proved false. It was not until the speaker grew up to be a

young man when it a)-----on him that he was b)-----of freedom. Then he began c)..... It.

- A a) desired b) dawned c) depriving
- B a) dawned b) deprived c) desiring
- C a) dawned b) arrived c) desiring
- D a) arrived b) deprived c) dawned

Q. 2 Mandela says that his country's greatest wealth is its people and not the purest diamonds. Justify his statement

Q. 3 Mandela speaks of 'Twin Obligations'. Elucidate.

Q. 4 What did 'Being free' mean to Mandela as a boy and as a student?

Q. 5 Why was Nelson Mandela overwhelmed with a sense of history? How did

He succeed in ending the apartheid regime in South Africa?

Q. Read the following extract and answer the questions/ complete the sentences that follow:

The way a crow

Shook down on me

The dust of snow

From a Hemlock tree

Has given my heart

A change of mood

And saved some part

Of a day I had rued.

Q1. Of the many symbols the Hemlock tree represents, choose the one that Frost drew upon in all likelihood, for this poem.

Symbol of

(A) longevity	(B) togetherness	(C) healing	(D) protection		
Q2. Choose the option that lists the possible feelings of the poet prior to the experience shared in the poem.					
(1) reassured	(2) disappointed	(3) curious	(4) demotivated		
(5) thankful	(6) disheartened	(7) impulsive			
(A) 1,3 & 7	(B) 2,4 & 6	(C) 5 & 7	(D) 1 & 3		
Q3. Identify the option that DOES NOT use the word 'rue' correctly.					
(A) The film was disa	ster and rued his decision to act	t in it.			

(B) I am sure she rued the day she listened to a fortune-teller.

(C) It wasn't long before I rued my disobedience and my deceit.

(D) Others finally rue the one who is dishonest and heartless. O4. Choose the option showing the reason NOT corresponding with "... a crow/ Shook down on me / The dust of snow". (A) The crow's landing on the branch of the tree. (B) The shivering of the crow, due to the cold. (C) The readjustment of position of the crow on the branch. (D) The cawing of the crow hidden in the foliage. Q. Read the following extract and answer the questions/complete the sentences that follow:-Some say the world will end in fire. Some say in ice. From what I've tasted of desire I hold with those who favor fire But if it had to perish twice. I think I know enough of hate To say that for destruction Ice Is also great And would suffice. Q1. Choose the CORRECT statement about the given poem. (A) Fire and Ice are images- they help the readers visualize the power of nature over man. (B) Fire and ice are symbols- not of natural disaters, but of humanity's ability to create disasters of its own. (C) Fire and ice are elements- not of Nature but man-made and possess the ability to create havoc for mankind. (D) Fire and ice are agents- they change the thinking of mankind from negative to positive and bring harmony. Q2. Select the option that correctly classifies the connotations for fire and ice, as suggested in the poem. (1) rage (2) violence (3) indifference (4) hate (5) greed (A) Fire- 3, 4; Ice- 1, 2, 5 (B) Fire- 2, 5; Ice-1, 3, 4 (C) Fire-1, 3, 5; Ice- 2, 4 (D) Fire-1, 2, 4; Ice-3, 5 Q3. The poem is a , put across by poet. (A) powerful warning (B) heart-felt apology (C) earnest appeal (D) vengeful threat Q4. Pick the option that is NOT TRUE about the poet according to the extract. The poet (A) is inclined to believe that the world would most likely end with fire. (B) has heard divided opinions about the way the world would end in all likelihood. (C) preaches love and kindness to combat the spread of hate among all. (D) declares the power of ice to be as destructive as that of fire. Q. Read the following statements, each of which describes the gist of the given extract. Select the option that captures the essence of the extract correctly. Statement (i) – It highlights the kind of comforts and luxuries that Tricki was used to at Home. Statement (ii) – It brings out a contrast between Tricki and Mrs. Pumphery's state of being. Statement (iii) – It reflects that Tricki was happier at the surgery and loved being with other dogs. Statement (iv) – It shows Tricki's journey with his peers at the surgery and documents of his recovery. (A) Statements (i) & (ii). (B) Statements (iii) & (iv). (C) Statements (i) & (iii). (D) Statements (ii) & (iv). Q. What does the reference to Tricki as a "silky little object" signify? (A) Tricki was a very small and rather pampered dog. (B) Tricki was comfortably attired in fine silks and warm coats. (C) Unlike the other dogs, Tricki had lived, in the lap of luxury with care and grooming. (D) The Narrator's mockery of Tricki's life and treatment with Mrs. Pumphery. Q. What does the narrator describe being "tramped on and squashed" as joys?

(A) To suggest that irony about the strange ways of dog	gs.				
(B) To mention the simple pleasures of canine life.					
(C) To compare it to Tricki's earlier play-time at the ho	ouse.				
(D) To direct attention towards Tricki's successful reco	overy.				
Q. "All the while, Mrs. Pumphery hivered anxiously in	the background".				
Given below are different types of Pet Parenting style	s described in Country	^r Living, (an e-maga	zine). Choose		
the option that best reflects the kind of Pet owner Mrs.	Pumphery was.		,		
(i) Traffic Light Pet owners have a healthy balance of	rules and freedom and	d give clear and cons	sistent signals		
for 'ves' and 'no'.		C	U		
(ii) Entranced Pet owners have the best intentions, but	as soon as their pet loc	cks eves with them a	nd gives their		
command they are at their pet's beck and call					
(iii) The Goose Pet owners go all-out in protecting th	eir net. They often lim	uit their time away fi	rom their net		
especially puppies	en pet. They often him	int then this away in	tom men per,		
(iv) The Deggage Hendler Det owners love being close	to their note and going	an advanturas tagat	thar Thay ara		
(IV) <u>The Baggage Handler</u> Fet owners love being close	to their pets and going	; on adventures toget	.net. They are		
always mindful at the pet's comfort and security.					
(A) Option (1) (B) Option (11)	(C) Option (11)	(D) Opti	on (1V)		
Q.2 What do you think would happen to Tricki when h	e went back to Mrs. Pu	mphrey?			
Q.3 Why was it important to Mrs. Pumphrey to be a lit	tle cruel in order to be	kind towards Tricki?			
Q.4 Why is Mrs. Pumphrey responsible for Tricki's con	ndition?				
Q.5 What was the major flaw in Tricki?					
Mathe	ematics				
Question No.			Manks		
Question No.			Marks		
1. The HCF and LCM of 12,21,15 respectively are			1		
a) 3,140 b) 12,420	c) 3,420	d) 420,3			
2.If LCM(x ,18) =36 and HCF(x , 18) =2, then x is			1		
a) 2 b) 3	c) 4	d) 5			
3.If $a=p^3q^2$ and $b=p^2q^3$ are two positive integers for two pr	ime numbers p and q, the	n HCF(a, b) is	1		
a) p^3q^2 b) p^2q^3	c) p^2q^2	d) pq			
4. The zeroes of the polynomial $x^2+22x+105$ are			1		
a) both positive	b) both negative				
c) one positive and one negative	d) not possible				
5.A quadratic polynomial whose zeroes are 3 and -2, is:			1		
a) x^2-x-6 b) x^2+x-6	c) $x^{2}+x+6$	d) $x^{2}-x+6$			
6. The pair of equations $5x-2y=10$ and $3x-4y=12$ has	1 \ 1		1		
a) no solution	b) one solution	1			
c) two solutions	a) infinitely many $2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$ ($- 2 - 1$))	solutions	1		
$\frac{1}{8}$ /.11 the lines represented by the equations $4x+3ky=15$ and	x-2y=16 are parallel, the		1		
a) $\frac{6}{3}$ b) $-\frac{6}{3}$	c) $\frac{1}{3}$	d) $-\frac{1}{3}$			
8.Graphically the pair of equations 3x-5y=10; 6x-10y=24	represents two lines		1		
a) intersecting at one point	b) intersecting at t	wo points			
c) that are parallel	d) that are coincid	ent			
9.Ifa=pq ² and b=p ³ q are two positive integers for two prime	e numbers p and q, then I	LCM(a, b) is	1		
a) p^4q^3 b) p^3q^2	c) p ³ q	d) pq ²			
10. If one of zeroes of the polynomial $(p-1)x^2+px+1$ is -3, the pol	hen the value of p is		1		
a) $-\frac{4}{2}$ b) $-\frac{2}{2}$	c) $\frac{2}{2}$	d) $\frac{4}{2}$			
11.Explain why 7×6×5×4×3×2×1+5 are composite number	s S.	3	1		
			-		
12.11 p and q are two numbers. What is the relationship betw	ween HCF and LCM.		1		
13. Write the prime factors of 46920.			1		
······			-		

14. Find the zeroes of the polynomial: $x^2-10x+25$	1		
15.Find a quadratic polynomial whose zeroes are 5,-4.	1		
16. Find a quadratic polynomial whose sum and product are -3 and 2.	1		
17. Write the formula of Sum of its zeroes and Product of its zeroes.	1		
18.Define Fundamental theorem of Arithmetic.	1		
19. Find the value of k for which the system of equations $kx+2y=3$, $3x+6y=10$ has a unique solution.	1		
20. Write the condition of Parallel lines.	1		
21.If HCF(336, 54) =6, Find LCM(336, 54).	2		
22.Find [HCF×LCM] for the numbers 100 and 190.	2		
23.If $\frac{2}{3}$ and -3 are the zeroes of the polynomial ax ² -5x+c, then find the value of a and c when m+n=mn=10.	2		
24. Find the sum and product of zeroes of the polynomial $x^2+7x+10$.	2		
25.Half the perimeter of a rectangular garden, whose length is 4 m more then it's width, is 36 m. Find the dimensions of the garden.	2		
26.Solve for x and y: 3x+4y=10 and $2x-2y=2$	2		
27.Given that $\sqrt{2}$ is a irrational number, show that	2		
$5 + 3\sqrt{2}$ is an irrational number.			
28. Find the number of zeroes of the polynomial $x^2-4x+16$.	2		
29.Write the HCF of the smallest composite number and the smallest prime number.	2		
30.Solve the following pair of linear equation by Elimination Method: x+y=9; $2x+3y=6$	2		
31.Draw graphically: x+y=5; $2x+2y=10$	3		
32. Ten Students of Class X took part in a Mathematics quiz. If the number of girls is 4 more than the number of boys, find the number of boys and girls who took part in the quiz.	3		
33. Prove that $\sqrt{5}$ is an irrational number.	3		
34. If a, b are the zeroes of a polynomial, such that $a+b=6$ and $ab=4$, then write the polynomial.	3		
35. Find the zeroes of the following quadratic polynomial and verify the relationship between the zeroes and the coefficients: $6x^2-3-7x$	3		
36. Three alarm clocks ring their alarms at regular intervals of 20 minute , 25 minute and 30 minute respectively. If they first beep together at 12 noon, at what time will they beep again for the first time?			
37. Solve the following pair of linear equations by Substitution Method:			
38. Draw the graphs of the equations x-y+1=0 and $3x+2y-12=0.$ Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region.			
39. Prove that $\sqrt{3}$ is an irrational number.			
40.7x-5y-4=0 is given.Write another linear equation, so that the lines represented by the pair are:(I) Intersecting(II)Coincident(III)Parallel.	3		

<u>Science</u>					
Q1-Two electric bulbs have	e resistances in the ratio 1:2	2. If they are joined	in series, the energy consumed in		
them is in the ratio.					
(a) 2:1	(b) 1:2	(c) 4:1	(d) 1:1		
Q2- If in the given arrange	ment, the three resistors are	e to be replaced by a	a single resistor. What will be the		
value of this resistor?					
(a) 4Ω	(b) 6Ω	(c) 9Ω	(d) 18Ω		
Q3. Electrical resistivity of a	a given metallic wire depend	ls upon :			
(a) Its Length	(b) Its Thickness	(c) Its Shape	(d) Nature of the Material		
Q4. Which of the following	represents voltage:				
(a) <u>Work done</u>	(b) Workdone X Charge				
Current X Time					
(c) <u>Workdone X Time</u> Current	(d) Workdone X Charge X	Time			
Q5. In an electrical circuit th	hree incandescent bulbs A.E	8 & C of rating 40 W	, 60 W and 100 W respectively are		
connected in parallel to an e	lectric source. Which of the	following is likely to	happen regarding their brightness.		
(a) Brightness of all the bu	lbs will be the same.				
(b) Brightness of bulb B w	vill be more than that of A.				
(c) Brightness of bulb A w	vill be maximum.				
(d) Brightness of bulb C w	vill be less than that of B				
6. Will current flows more	easily through a thick wire	or a thin wire of the	same material, when connected to		
the same source? Why?					
7. What does an electric circ	uit mean?				
8. Oil and fat containing sub	stances are flushed with nit	rogen before packing.	Why?		
9. Solid calcium Oxide was	taken in a container and wat	ter was added slowly	to it		
i. State two observation mad	le in the experiment.				
ii. Write the name of th	ii. Write the name of the chemical formula of the product.				
$CaO(s) + H_2O(aq) \rightarrow Ca(OH)_2(s) + Heat.$					
10. What happens when exc	ess of CO ₂ is passed through	n solution of CaCO ₃	2		
11. Suggest two methods to	prevent rancidity?				
12. Can we place silver nitra	ites solution in an iron vesse	el? Why or Why not?			
13. (a) Why is combustion reaction an oxidation reaction?					
(b) How will you test whether the evolved in a reaction is hydrogen?					
(c) Why does silver not evolve hydrogen gas on reacting with dilute sulphuricacid					
14. Can we place silver nitrates solution in an iron vessel? Why or Why not?					
15. Why a few drops of sulphuric acid are added into water before electrolysis?					
Ans. Pure water is a poor conductor of electricity. A few drops of Sulphuric acid are added to make it a good					
conductor of electricity.					
16. Name the substance Oxidized and Reduced in the Chemical Reaction					
$MnO_2 + 4HCl \rightarrow MnCl_2 + Cl_2 + 2H_2O$					
16. On what basic Reaction is black and white photography based?					
Q17 A household uses the following electric appliances					
(i) Refrigerator of rating 4 for ten hours each thy.					
(ii) Two electric fans of rating 8 each for twelve hours each day.					
(111) Six electric tubes of rati	ng 18 W each for 6 hours ea	ich day.			
Calculate the electricity bill 3.00.	ot the household for the mo	onth of June if the co	st per unit of electric energy is Rs.		
Q18- (a) Though same cur	rent flows through the elec	ctric line wires and t	the filament of bulb, yet only the		
filament glows. Why?					

(b) The temperature of the filament of bulb is 2700°C when it glows. Why does it not get burnt up at such high temperature?

(c) The filament of an electric lamp, which draws a current of 0.25 A is used for four hours. Calculate the amount of charge flowing through the circuit.

(d) An electric iron is rated 2 kW at 220 V. Calculate the capacity of the fuse that should be used for the electric iron.

19.Explain why is the tungsten used almost exclusively for filament of electric lamps. And also uses of heating effect in our daily life?

20. Define the term corrosion and rancidity with example?

21. What are the differences between autotrophic nutrition and heterotrophic nutrition?

22...What are decomposition and Combination reactions .Why are decomposition reactions called the opposite of combination reactions? Write equations for these reactions.

23. Identify

(i) $A \rightarrow B + C$

(ii) $AD + CD \rightarrow AD + CB$

The type of above given reactions

24. Why does not silver evolve hydrogen on reacting with dil H_2So_4 ?

25. Way do diamond and graphite, the two allotropic forms of carbon evolve different amounts of heat on combustion?

26. What is the sole of oxidizing agent is a reaction?

27. What happens chemically when quick lime is added to water?

28. Why a combustion reaction an oxidation reaction?

29. Why are food particle preferably packed in aluminum foil?

30. What happens to lime water when Co_2 gas is bubbled through it in excess?

31. What are the two stages in photosynthesis?

32. What is villi? What are its functions?

33. Autotrophs synthesis food for the living world. Justify this statement in one sentence only interconnecting autotrophs and heterotrophs.

34. Discuss the major steps involved in process of nutrition in human beings.

- 35. Discuss the mode of nutrition in amoeba.
- 36. What are difference between autotrophic and heterotrophic nutrition?

37. (a) State ohm's law?

37. The value of (I) current following through a conductor for the corresponding valves of (V)potential difference are given below. Find the R in each case and draw a graph.

I (Ampere)	0.5	1.0	1.5	2.5	3	
V (Volt)	1	2	3	4.5	5	

38.What are the advantages of connecting electrical devices in parallel with the battery instead of connecting them in series?

39.Identify the substances that are oxidized and the substances that are reduced in the following reactions.

(i) $4Na(s) + O_2(g) \rightarrow 2Na_2O(s)$

(ii) CuO (s) + H₂ \rightarrow Cu (s) + H₂O (l)

40.Balance the following chemical equations:

(a) $HNO_3 + Ca(OH)_2 \rightarrow Ca(OH)_2 aCa(NO_3)_2 + H_2O$

(b) NaOH +H₂SO₄ \rightarrow Na₂SO₄ +H₂O

(c) NaCl +AgNO₃ \rightarrow AgCl + NaNO₃

(d) $BaCl_2 + H_2SO_4 \rightarrow BaSO_4 + HCl$



Social Science				
1. How many people speak French and Dutch in the capital city of Brussels?				
a) 60% French 40 % Dutch b) 50% Dutch 50% French			0% French	
c) 80% French 20% Dutch		d) 80% Dutch 2	0% French	
2. How many times did the l	eaders of Belgium amend thei	ir constitution?		
A) Two times	B) Three times	C) Four times	D) Since time	
3. Which one of the following	ng is correct regarding power s	sharing?		
A) It leads to conflict between	en different groups.			
B) It ensures the stability of	the country.			
C) It helps to reduce the con	flict between different groups			
a) Only A is true		b) Only B is tru	e	
c) Both A and B are true		d) Both B and C	C are true	
4. Which was the only offici	al language of Sri Lanka?			
(a) Tamil	(b) Malayalam	(c) Sinhala	(d) none of the mentioned above	
5. What is Majoritarianism?				
6. Mention one step which v	vas taken by the Sri Lankan G	overnment to crea	te Majoritarianism.	
7. State one prudential reaso	n and one moral reason for po	wer sharing from	the Indian context.	
8. Name the country which l	has lost peace due to Majoritan	rianism.		
9. How did the Belgian gove	ernment solve its ethnic Proble	em?		
10. What is Majoritarianism	? How has it led to alienation	of the majority co	mmunity in Sri Lanka?	
11. Describe three demands	of Sri Lankan Tamils. How di	id they struggle fo	r their independence?	
12. How is power shared am	long different organs of the go	overnment, I.e., leg	gislature, executives and judiciary?	
13. How are the ethnic problems solved in Belgium? Mention any four steps which were taken by the				
governments to solve the pro-	oblem?			
14. Explain the power sharing arrangement among the different political parties, pressure groups and				
movements.				
15. Explain the power sharing arrangement among the different organs of the government.				
16. Explain the power sharing arrangement among the different social groups.				
17. Why is the central government of India not compelling states to adopt Hindi as their official language?				
18. Contrast a federal system of government with a unitary set-up with examples.				
19. Highlight the two types of routes through which the federations are formed. Give an example.				
20. What are the significance of Panchayat Raj?				
21. Explain the organization of the local government bodies of urban areas.				
22. What are the causes responsible for the very slow progress of the Panchayat Raj System in India?				
23. What are the features of Federalism?				
24. Explain how power is shared among different organs of the government.				
25. What policies strengthened the federalism of India?				