

0166



Total No. of Questions - 24

Total No. of Printed Pages - 4 Regd. No. _____

Part III

MATHEMATICS, Paper - I(A)

(English Version)

Time : 3 Hours]

[Max. Marks : 75]

Note :- This question paper consists of three Sections A, B and C.

SECTION A

I. Very Short Answer Type Questions :

$10 \times 2 = 20$

(i) Answer **ALL** questions.

(ii) Each question carries **TWO** marks.

1. If $f : \mathbb{R} \rightarrow \mathbb{R}$ is defined by $f(x) = \frac{1-x^2}{1+x^2}$, then show that :

$$f(\tan \theta) = \cos 2\theta.$$

2. Find the domain of the real valued function :

$$f(x) = \frac{1}{(x^2 - 1)(x + 3)}.$$

3. If

$$\begin{bmatrix} x-1 & 2 & 5-y \\ 0 & z-1 & 7 \\ 1 & 0 & a-5 \end{bmatrix} = \begin{bmatrix} 1 & 2 & 3 \\ 0 & 4 & 7 \\ 1 & 0 & 0 \end{bmatrix},$$

then find the values of x , y , z and a .

4. Define Rank of a matrix.

5. If the vectors $-3\bar{i} + 4\bar{j} + \lambda\bar{k}$ and $\mu\bar{i} + 8\bar{j} + 6\bar{k}$ are collinear vectors, then find λ and μ .

- Find the vector equation of the plane passing through the points
6. Find the vector equation of the plane passing through the points $(0, 5, 0)$ and $(2, 0, 1)$.
 7. Find the angle between the planes $\vec{r} \cdot (2\vec{i} - \vec{j} + 2\vec{k})$
 $\vec{r} \cdot (3\vec{i} + 6\vec{j} + \vec{k}) = 4$.
 8. Find a cosine function whose period is 7.
 9. What is the value of $\tan 20^\circ + \tan 40^\circ + \sqrt{3} \tan 20^\circ \tan 40^\circ$?
 10. For any $x \in \mathbb{R}$, prove that $\cosh^4 x - \sinh^4 x = \cosh(2x)$.

SECTION B

II. Short Answer Type Questions :

- Answer **ANY FIVE** questions.
- Each question carries **FOUR** marks.

11. If $A = \begin{bmatrix} 3 & 0 & 0 \\ 0 & 3 & 0 \\ 0 & 0 & 3 \end{bmatrix}$, then find A^4 .

12. If the points whose position vectors are $3\vec{i} - 2\vec{j} - \vec{k}$, $2\vec{i} - \vec{j} + 2\vec{k}$ and $4\vec{i} + 5\vec{j} + \lambda\vec{k}$ are coplanar, then show that :

$$\lambda = \frac{-146}{17}$$

13. If $|\vec{a}| = 13$, $|\vec{b}| = 5$ and $\vec{a} \cdot \vec{b} = 60$, then find $|\vec{a} \times \vec{b}|$.

14. Prove that :

$$\cos \frac{2\pi}{7} \cos \frac{4\pi}{7} \cos \frac{8\pi}{7} = \frac{1}{8}$$

15. Solve the equation :

16. Prove that :

$$\sin^{-1} \frac{4}{5} + 2 \tan^{-1} \frac{1}{3} = \frac{\pi}{2}.$$

17. In ΔABC , show that :

$$b \cos^2 \frac{C}{2} + c \cos^2 \frac{B}{2} = s.$$

SECTION C

5×7=35

III. Long Answer Type Questions :

(i) Answer **ANY FIVE** questions.

(ii) Each question carries **SEVEN** marks.

18. If $f : A \rightarrow B$, $g : B \rightarrow C$ be bijections, then show that :

$$(g \circ f)^{-1} = f^{-1} \circ g^{-1}.$$

19. Using mathematical induction, prove the statement :

$$a + ar + ar^2 + \dots \text{ upto } n \text{ terms} = \frac{a(r^n - 1)}{(r - 1)}, \quad r \neq 1.$$

20. If

$$\begin{vmatrix} a & a^2 & 1+a^3 \\ b & b^2 & 1+b^3 \\ c & c^2 & 1+c^3 \end{vmatrix} = 0 \quad \text{and} \quad \begin{vmatrix} a & a^2 & 1 \\ b & b^2 & 1 \\ c & c^2 & 1 \end{vmatrix} \neq 0,$$

then show that : <https://www.telanganaboard.com>

$$abc = -1.$$

21. Solve the system of equations

$$x + y + z = 1, \quad 2x + 2y + 3z = 6, \quad x + 4y + 9z = 3$$

by using Cramer's rule.

- 22.** Find the volume of the tetrahedron whose vertices are $(1, 2, 1)$, $(3, 2, 5)$, $(2, -1, 0)$ and $(-1, 0, 1)$.
- 23.** If A , B , C are angles in a triangle, then prove that :

$$\sin A + \sin B + \sin C = 4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}$$

- 24.** If $r : R : r_1 = 2 : 5 : 12$, then prove that the triangle is right angled at A .

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Part - III
MATHEMATICS, Paper - I (B)
(Coordinate Geometry and Calculus)
(English Version)

Time : 3 Hours**Max. Marks : 75**

Note : This question paper consists of three sections A, B and C.

SECTION A**10 × 2 = 20****I. Very Short Answer Type Questions.**

- i) Attempt all questions.
 - ii) Each question carries two marks.
1. Find the value of p , if the straight lines $x+p=0$, $y+2=0$ and $3x+2y+5=0$ are concurrent.
 2. Find the length of the perpendicular drawn from the point (3, 4) to the straight line $3x-4y+10=0$.
 3. Show that the points $(1, 2, 3)$, $(7, 0, 1)$ and $(-2, 3, 4)$ are collinear.
 4. Find the direction cosines of the normal to the plane $x+2y+2z-4=0$.

5. Compute : $\lim_{x \rightarrow 0} \frac{e^{\sin x} - 1}{x}$

6. Compute : $\lim_{x \rightarrow \infty} \frac{8|x| + 3x}{3|x| - 2x}$

7. If $f(x) = x \tan^{-1} x$, then find $f'(x)$.

8. If $y = ae^{nx} + be^{-nx}$, then prove that $y'' = n^2 y$

9. Find Δy and dy for the function $y = 5x^2 + 6x + 6$ at $x = 2$ when $\Delta x = 0.001$.

10. Define strictly increasing function and strictly decreasing function on an interval I.

SECTION B

II. Short Answer Type Questions.

i) Attempt **any five** questions.

ii) Each question carries **four** marks.

11. $A(2, 3)$ and $B(-3, 4)$ are two given points. Find the equation of locus of P so that the area of the triangle PAB is 8.5.

12. When the axes are rotated through an angle 45° , the transformed equation of a curve is $17x^2 - 16xy + 17y^2 = 225$. Find the original equation of the curve.

13. Find the image of the point $(1, 2)$ in the straight line $3x + 4y - 1 = 0$.

14. Show that $f(x) = \begin{cases} \frac{\cos ax - \cos bx}{x^2} & \text{if } x \neq 0 \\ \frac{1}{2}(b^2 - a^2) & \text{if } x = 0 \end{cases}$

where a and b are real constants, is continuous at '0'.

15. Find the derivative of $\sin 2x$ from the First Principle.

16. Find the lengths of subtangent, subnormal at a point ' t ' on the curve $x = a(\cos t + t \sin t)$, $y = a(\sin t - t \cos t)$.

17. The volume of a cube is increasing at a rate of $9 \text{ cm}^3/\text{sec}$. How fast is the surface area increasing when the length of the edge is 10 cm ? <https://www.telanganaboard.com>

SECTION C

5 × 7 =

III. Long Answer Type Questions.

- i) Attempt any five questions.
 - ii) Each question carries seven marks.
18. If p and q are the lengths of the perpendiculars from the origin to the straight lines $x \sec \alpha + y \operatorname{cosec} \alpha = a$ and $x \cos \alpha - y \sin \alpha = a \cos 2\alpha$, prove that $4p^2 + q^2 = a^2$

19. If the equation $S \equiv ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$ represents a pair of parallel straight lines, then show that
(i) $h^2 = ab$, (ii) $af^2 = bg^2$ and (iii) the distance between

$$\text{the parallel lines} = 2 \sqrt{\frac{g^2 - ac}{a(a+b)}} = 2 \sqrt{\frac{f^2 - bc}{b(b+a)}}.$$

20. Show that the lines joining the origin to the points of intersection of the curve $x^2 - xy + y^2 + 3x + 3y - 2 = 0$ and the straight line $x - y - \sqrt{2} = 0$ are mutually perpendicular.

21. Find the angle between the lines whose direction cosines are given by the equations $3l+m+5n=0$ and $6mn-2nl+5lm=0$.

22. If $y = \tan^{-1}\left(\frac{2x}{1-x^2}\right) + \tan^{-1}\left(\frac{3x-x^3}{1-3x^2}\right) - \tan^{-1}\left(\frac{4x-4x^3}{1-6x^2+x^4}\right)$,

then show that $\frac{dy}{dx} = \frac{1}{1+x^2}$

23. Find the angle between the curves $2y^2 - 9x = 0$, $3x^2 + 4y = 0$ (in the 4th quadrant).

24. From a rectangular sheet of dimensions $30 \text{ cm} \times 80 \text{ cm}$ four equal squares of side $x \text{ cm}$ are removed at the corners, and the sides are then turned up so as to form an open rectangular box. Find the value of x , so that the volume of the box is greatest.
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0119

A

Total No. of Questions—21

Total No. of Printed Pages—2 Regd. No.

Part III

PHYSICS, Paper - I

(English Version)

Time : 3 Hours]

[Max. Marks : 60

SECTION A

10×2=20

Note :—(i) Answer ALL questions.

(ii) Each question carries TWO marks.

(iii) ALL are very short answer type questions.

1. What is the discovery of C.V. Raman ?
2. The percentage error in the mass and speed are 2% and 3% respectively. What is the maximum error in kinetic energy ? Calculate using these quantities.
3. $\vec{A} = \vec{i} + \vec{j}$. What is the angle between the vector and x -axis ?
4. A batsman hits back a ball straight in the direction of the bowler without changing its initial speed of 12 ms^{-1} . If the mass of the ball is 0.15 kg , determine the impulse imparted to the ball. (Assume linear motion of the ball)
5. Give the expression for the excess pressure in an air bubble inside the liquid.
6. What is angle of contact ?
7. State Wien's displacement law.
8. Distinguish between heat and temperature.
9. State Dalton's law of partial pressure.
10. The absolute temperature of a gas is increased 3 times. What will be the increase in rms velocity of the gas molecule ?

Note :—(i) Answer **ANY SIX** questions.

(ii) Each question carries **FOUR** marks.

(iii) **ALL** are short answer type questions.

11. A man walks on a straight road from his home to a market 2.5 km away with a speed of 5 kmh^{-1} . Finding the market closed, he instantly turns and walks back home with a speed of 7.5 kmh^{-1} . What is the magnitude of average velocity and average speed of the man over the time interval 0 to 50 min ?
12. State Parallelogram law of vector. Derive an expression for the magnitude and direction of the resultant vector.
13. State the laws of rolling friction.

14. Find the scalar and vector products of two vectors $\vec{a} = (3\hat{i} - 4\hat{j} + 5\hat{k})$ and

20. Show that the motion of a simple pendulum is simple harmonic and hence derive an equation for its time period. What is the length of a simple pendulum, which ticks seconds ?
21. State second law of thermodynamics. How is heat engine different from a refrigerator ?

0119-A

Note :—(i) Answer **ANY TWO** questions

(ii) Each question carries **EIGHT** marks.

(iii) **ALL** are long answer type questions.

19. State and prove law of conservation of energy in case of a freely falling body.
A pump is required to lift 600 kg of water per minute from a well of 25 m deep and to eject it with a speed of 50 ms^{-1} . Calculate the power required to perform the above task.

20. Show that the motion of a simple pendulum is simple harmonic and hence derive an equation for its time period. What is the length of a simple pendulum, which ticks seconds ?
21. State second law of thermodynamics. How is heat engine different from a refrigerator ?



Total No. of Questions – 21

Regd.

Total No. of Printed Pages – 2

No.

Part - III
CHEMISTRY, Paper-I
(English Version)

Time : 3 Hours**[Max. Marks : 60]****Note :** Read the following instructions carefully :

- (i) Answer **all** questions of Section – ‘A’. Answer any **six** questions in Section – ‘B’ and answer any **two** questions in Section – ‘C’.
- (ii) In Section – ‘A’, questions from Sr. Nos. 1 to **10** are of “Very Short Answer Type”. Each question carries **two** marks. Every answer may be limited to **two** or **three** sentences. Answer all these questions at one place in the same order.
- (iii) In Section – ‘B’, questions from Sr. Nos. **11** to **18** are of “Short Answer Type”. Each question carries **four** marks. Every answer may be limited to **75** words.
- (iv) In Section – ‘C’, questions from Sr. Nos. **19** to **21** are of “Long Answer Type”. Each question carries **eight** marks. Every answer may be limited to **300** words.
- (v) Draw labelled diagrams wherever necessary for questions in Sections – ‘B’ and ‘C’.

SECTION – A***** $10 \times 2 = 20$** **Note :** Answer **all** the questions.

1. Define TLV.
2. Write any two gases responsible for Greenhouse effect.
3. Write chemical name and formula of Plaster of Paris.
4. How does graphite function as Lubricant ?
5. Write biological importance of Na^+ and Ca^{+2} ions.
6. Calculate the weight of 0.1 moles of sodium carbonate (Na_2CO_3).
7. Calculate the ratio of kinetic energies of 3 gm of hydrogen and 4 gm of oxygen at a given temperature.
8. What is ZSM-5 ? Write its use.
9. Write chain isomer structures of carbon compound C_4H_{10} .
10. What is Dynamic equilibrium ?

SECTION – B

6 × 4 =

Note : Answer any six questions.

11. Explain the hybridisation involved in PCl_5 molecule.
12. What is ionic bond ? Explain with one example.
13. Deduce Boyle's and Graham's laws from kinetic gas equation.
14. State and explain Hess law of constant heat summation. *On Example?*
15. A carbon compound contains 10.06% carbon, 0.84% hydrogen, 89.10% chlorine. Calculate the empirical formula of the compound. [At. wt. C = 12, H = 1, Cl = 35.5]
16. Explain electron deficient and electron rich hydrides with one example each.
17. Explain borax bead test with a suitable example.
18. Explain Bronsted-Lowry acid base theory.

SECTION – C

2 × 8 =

Note : Answer any two questions.

19. Write the postulates of Bohr's model of hydrogen atom. Explain various lines in hydrogen spectra.
20. What is periodic property ? How the following properties vary in a group and in a period ?
 - (a) Atomic radius
 - (b) Electron gain enthalpy
 - (c) Electronegativity
21. Describe any two methods of preparation of acetylene. How does it react with water and hydrogen bromide ? Write equations.

Part II
SANSKRIT, Paper - I
(Second Language)

Time : 3 Hours

[Max. Marks : 100]

सूचना :— प्रथम, द्वितीय, तृतीय प्रश्नान् विहाय सर्वे प्रश्नाः संस्कृतभाषायामेव (देवनागरी लिप्या) समाधेयाः।

Note — Except Q. Nos. 1, 2 and 3 all other questions should be answered in Sanskrit (Devanagari Script) only.

- | | | |
|-----|---|-------|
| 1. | एकं श्लोकं पूर्यित्वा तस्य भावं लिखत — | 1×6=6 |
| (1) | कुसुम वन एव वा। | |
| (2) | दुर्जनः भवद्वारः। | |
| 2. | एकं निवन्धप्रश्नं समाधत्त — | 1×6=6 |
| (1) | रामस्य वनवासं वर्णयत। | |
| (2) | कृष्णबलरामयोः गुरुपसदनं गुरुपूत्र गक्षणं च विवृणुत। | |
| 3. | एकं निवन्धप्रश्नं समाधत्त — | 1×6=6 |
| (1) | शिविचक्रवर्तिनः भूतदयां विवृणुत। | |
| (2) | कीर्तिसेनायाः वीरतां सोदाहरणं विशदीकुरुत। | |
| 4. | चतुर्णा प्रश्नानां समाधानानि लिखत — | 4×2= |
| (1) | अब्दुल्कलामः कैः पुरस्कारैः सम्मानितः ? | |
| (2) | संजीवस्य पिता किमभिधाय राजीवम् अभ्यनन्दत् ? | |
| (3) | राज्ञः सुकृतशर्मणः प्रासादः कैः अलंकृतः ? | |
| (4) | एकदा नीलाम्बा कां दृष्टवती ? | |
| (5) | हीरालालस्य माता कति रोटिकाः निर्मितवती ? | |



(6) वणिजः पत्नी का ? तयोः पुत्रस्य नाम किम् ?	
(7) पेटिका कैः पूरिताः आसीत् ?	
(8) संजीवः कुत्र निवसति ? विद्यालयं च सः कथमागच्छति ?	
5. द्वयोः सप्तन्दर्भा व्याख्यां लिखत -	2×3=6
(1) रक्षसां निहतान्यासन् सहस्राणि चतुर्दश।	
(2) ग्राहं हत्वा मोक्षयध्वम् माम्।	
(3) ततो विहाय मां गत्वा वैकुण्ठं पृच्छतं युवाम्।	
(4) जलमाविश्य तं हत्वा नापश्यदुदरेऽभक्तम्।	
6. द्वयोः सप्तन्दर्भा व्याख्यां लिखत -	2×3=6
(1) किं त्वं साम्प्रतं प्रजापतिं जेतुमुद्यतः।	
(2) अस्मत् तृप्तये स राजा तूर्णं पञ्चत्वं यातु।	
(3) राजन् बुभुक्षा मामत्यन्तं पीडयति।	
(4) पुत्रवद् अहं युवां सेविष्ये।	
7. द्वौ लघु प्रश्नौ समाधत्त -	2×3=6
(1) ग्राहं कथं किं कृत्वा च पञ्चत्वमापेदे।	
(2) भरतः रामं किमिति वचोऽब्रवीत् ?	
(3) मनसः रसायनानि कानि ?	
(4) नारदः कीदृशः इत्येवं गण्यः स्यात् ?	
8. द्वौ लघु प्रश्नौ समाधत्त -	2×3=6
(1) नागार्जुनं प्रति इन्द्रः कौ प्रेषितवान् ?	
(2) टिटिभदम्पती कुत्र प्रतिवसतः स्मः ?	
(3) राजा विहगोत्तमं श्येनं किमिति अब्रवीत् ?	
(4) कः किमर्थं अरण्यान्नो समागच्छत् ?	
9. एकेन पदेन समाधत्त -	5×1=5
(1) कः पशुः भवति ?	
(2) गुहः कः ?	
(3) सुरगायनौ कौ ?	
(4) प्राणिनां परं सुखदां का ?	
(5) यदूत्तमौ कौ ?	

एकेन पदेन समाधत्त -

- (1) चिरायुः कं यौवराज्ये अभिषिक्तवान् ?
- (2) वैनतेयः कः ?
- (3) दशरथस्य इषुणा कः हतः ?
- (4) जगदीशः किं शास्त्रं प्रति आकृष्टः अभवत् ?
- (5) विहगोत्तमः कः ?

11. अधोनिर्दिष्ट कथां पठित्वा प्रश्नान् समाधत्त -

5×1=5

पुरा कस्यचन वणिजः गृहे एकः वृषभः गर्दभः च आस्ताम्। 'एकदा सः गर्दभस्य पृष्ठे तूलं, वृषभपृष्ठे लवणगोर्णी च निधाय विपणिं प्रति अगच्छत्। मार्गे काचित् नदी आसीत्। तां नदीं तरन् 'वृषभः भाराक्रान्तः सन् जले अपतत्। प्रवाहेण क्लिनं लवणं अद्रवत्। तेन वृषभस्य भारः न्यूनः अभवत्। वृषभं दृष्ट्वा गर्दभः अपि स्वयं जले अपतत्। 'जले क्लिनस्य तूलस्य भारः द्विगुणः अजायत्। वणिक् अपि गर्दभम् अताडयत्।

नीतिः — अविचार्यं परानुकरणं मन्तापकारणं भवति।

प्रश्नाः —

- (1) वणिक् एकदा कुत्र अगच्छत् ?
- (2) वृषभः भाराक्रान्तः सन् किम् अकरोत् ?
- (3) वृषभं दृष्ट्वा गर्दभः किम् अकरोत् ?
- (4) कस्य भारः द्विगुणः अजायत् ?
- (5) अस्याः कथायाः का नीतिः ?

12. चत्वारि सन्धिनामनिर्देशसमहितं विघटयत -

4×2=8

- (1) गतेऽपि
- (2) हरये
- (3) स्वागतम्
- (4) तथैव
- (5) गजाननः
- (6) नरेन्द्रः
- (7) नवौषधम्
- (8) गुणोत्तमः।

13. शब्दारि नामनिर्देशसहितं सन्धत् –

- (1) वाणी + ईशः
- (2) परम + ईशः
- (3) महा + औषधिः
- (4) प्रति + उपकारः
- (5) तौ + अत्र
- (6) के + अपि
- (7) ननु + एषः
- (8) मम + एव।

14. द्वयोः शब्दयोः अन्तलिङ्गवचन निर्देशसहितं रूपाणि लिखत –

2×4=8

- (1) भानु
- (2) सीता
- (3) वनम्।

15. द्वयोः धात्वोः निर्दिष्टानि लकार रूपाणि लिखत –

2×3=6

- (1) अभवत्
- (2) गमिष्यति
- (3) पश्येत्
- (4) लभते।

16. मंस्कृतभाषया अनुवदत –

5×1=5

- (1) Let your father be your God.
- (2) Speech is the ornament.
- (3) Speak truth.
- (4) I am going to college.
- (5) Helping others is the merit.

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A

Total No. of Questions—**20**

Total No. of Printed Pages—**8**

Regd. No. _____

Part I
ENGLISH, Paper - I
(First Language)

Time : 3 Hours

[Max. Marks : 100]

SECTION A

1. Annotate **ANY TWO** of the following in about **100** words each : $2 \times 4 = 8$
 - (a) Just a year later, like the proverbial Phoenix, Saina rose from the ashes of dejection and defeat.
 - (b) Individual liberty would have become social anarchy.
 - (c) The two simplest and commonest words in any language are 'yes' and 'no'.
2. Annotate **ANY TWO** of the following in about **100** words each : $2 \times 4 = 8$
 - (a) I slowly took out the least little grain of corn and gave it to thee.
 - (b) Your beauty wakens with the spring
To kindle these pomegranate groves.
 - (c) My little horse must think it queer
To stop without a farmhouse near.
3. Answer **ANY TWO** of the following questions in about **100** words each : $2 \times 4 = 8$
 - (a) Narrate *two* memories of Kalam, related to eating.
 - (b) Who do you think was more clever — the Intruder or Gerrard ? Give reasons.
 - (c) Why was the Philippines Tournament in 2006 a memorable one for Saina Nehwal ?

4. Answer **ANY TWO** of the following questions in about **100** words each : $2 \times 4 = 8$

- (a) What are the Speaker's questions ? "Self-dependence".
- (b) 'To stop all this mess What does the poet mean by 'all this mess' ? Explain in a paragraph.
- (c) Why did the beggar weep bitterly that night ?

5. Answer **ANY TWO** of the following questions in about **100** words each : $2 \times 4 = 8$

- (a) Sketch in a paragraph the character of the gentleman who approached the girl and her mother with a request for a favour.
- (b) How did Suren spend that night at his home in the village ?
- (c) Describe the events that led to the marriage of Joe and Delia.

SECTION B

Read the following passage carefully and answer **ANY FOUR** questions given after it : $4 \times 1 = 4$

Countless friends and acquaintances have been taken off to a dreadful fate. Night after night, green and gray military vehicles cruise the streets. The soldiers knock on every door, asking whether any Jews live there. If so, the whole family is immediately taken away. If not, they proceed to the next house. It's impossible to escape their clutches unless you go into hiding. They often go around with lists, knocking only on those doors where they know there's a big haul to be made. They frequently offer a bounty, so

much per head. In the evenings when it's dark, I often see long lines of good, innocent people, accompanied by crying children, walking on and on, ordered about by a handful of men who bully and beat them until they nearly drop. No one is spared. The sick, the elderly, children, babies and pregnant women—all are marched to their death.

Questions :

- (1) After knocking on doors, what question did the soldiers ask ?
- (2) What was the only way to escape from the clutches of the soldiers ?
- (3) Who were the people being taken somewhere in long lines ?
- (4) Even old people and children were treated by the soldiers in a brutal manner. Write true or false.
- (5) What happened to the sick, the elderly, children, babies and pregnant women in the end ?

- (6) The passage depicts (Choose the best answer.)
 - (i) how people went for movies at night together.
 - (ii) the unspeakable horrors and cruelty of soldiers during wartime.
 - (iii) how criminals commit burglaries.

Read the following passage carefully and answer **ANY FOUR** questions given after it : <https://www.telanganaboard.com> $4 \times 1 = 4$

"And what will be the price ?" asked Pahom.

"Our price is always the same : one thousand roubles a day."

Pahom did not understand. "A day ? What measure is that ? How many

acres would that be ?"

"We do not know how to reckon it out," said the chief. "We sell it by the day. As much as you can go round on your feet in a day is yours." He added "But there is one condition : If you don't return on the same day to the spot whence you started, your money is lost."

Questions :

- (i) What did Pahom want to buy from the Bashkirs ?
- (ii) What was the price quoted by the chief ?
- (iii) According to the agreement how much land could Pahom own ?
- (iv) What was the only condition laid down by the Bashkirs ?
- (v) Why did Pahom not understand the quoted price ?
- (vi) Which word in the passage indicates Russian currency ?

SECTION C

[**Note** :— Answers of this Section-C must be written at one place in the same serial order.]

8. Fill in **ANY EIGHT** blanks with 'a', 'an' or 'the' : $8 \times \frac{1}{2} = 4$

(i)(1)..... stout old lady was walking with her basket down(2)..... middle of(3)..... street in Petrograd to(4)..... great confusion of(5)..... traffic and with no small peril to herself.

(ii) The tongue decides(6)..... taste.

(iii)(7)..... knowledge of history is always useful.

(iv)(8)..... surgeon should be very careful during(9)..... operation.

(v) Birds of(10)..... feather flock together.

9. Fill in **ANY EIGHT** blanks with suitable prepositions : $8 \times \frac{1}{2} = 4$

(i) Sravan is a man(1)..... his word.

(ii) He doesn't want to sit(2)..... girls.

(iii) Who did she sent it(3)..... ?

(iv) The syllabus will be completed(4)..... February.

(v) It has rained(5)..... two hours.

(vi) There is a 'danger(6)..... the world getting liberty drunk(7)..... these days like the old lady(8)..... the basket, and it is just as well to remind ourselves(9).....

what the rule(10)..... the road means.

10. Fill in **ANY FOUR** blanks with suitable verbs given in the brackets :

$$4 \times 1 = 4$$

(i) Liberty(1)..... (be) not a personal affair only, but a social contract.

(ii) Look ! The bird(2)..... (fly).

(iii) She(3)..... (love) to fly.

(iv) I(4)..... (enter) the third class compartment and took my seat.

(v) They(5)..... (learn) dance for two weeks.

(vi) We(6)..... (preparing) seriously for the examination, since 1st January.

11. Rewrite ANY FOUR sentences as directed :

4×1=

- (i) Narayana Murthy founded Infosys.
(Change the verb into Passive Voice)
- (ii) Gandhi said, "I respect all religions."
(Change into Indirect Speech)
- (iii) The teacher said to the student, "Are you confident ?"
(Change into Indirect Speech)
- (iv) Very few cities in India are as large as Hyderabad.
(Change into Comparative degree)
- (v) It brings new hopes.
(Add a question tag)
- (vi) Don't waste time.
(Add a question tag)

12 Rewrite ANY FOUR of the following sentences correcting the errors :

4×1=4

- (i) He has deep knowledges of various fields.
- (ii) His both hands are paralysed.
- (iii) I waited for a hour.
- (iv) Athletics are an interesting sport.
- (v) Everest is the most highest of all the mountains in the world.
- (vi) This costed me a lot.

13 Supply the missing letters in ANY EIGHT of the following words :

8×½:

- (i) Pu _ _ ed
- (ii) J _ st
- (iii) ro _ _ en
- (iv) reg _ men
- (v) a _ _ ommodation
- (vi) p _ lar
- (vii) m _ mble
- (viii) sl _ _ pless
- (ix) in _ ruder
- (x) fan _ y

14. Identify the silent consonant(s) in ANY EIGHT of the following words :

$$8 \times \frac{1}{2} = 4$$

- (i) thumb
- (ii) half
- (iii) reign
- (iv) listen
- (v) honest
- (vi) wrist
- (vii) mayor
- (viii) indict
- (ix) judge
- (x) right

15 Identify the parts of speech of ANY EIGHT of the following underlined words :

$$8 \times \frac{1}{2} = 4$$

- (i) She is the second Indian to achieve such a ranking, after Prakash Padukone in 1980, and the first Indian woman to do so.
- (2) (3) (4)
- (ii) Though a bright student, Saina was unable to complete Intermediate as the gruelling schedule, left her with little time to attend classes.
- (5) (6) (7) (8)
- (iii) Ah! It is raining heavily.
- (9) (10)

16

Match ANY EIGHT of the following words in Column 'A' with their meanings in Column 'B' :

$$8 \times \frac{1}{2} = 4$$

Column 'A'

- (i) caressing
- (ii) scattered
- (iii) sensational
- (iv) kindle
- (v) peasant
- (vi) maelstrom
- (vii) submerging
- (viii) illusion

Column 'B'

- (a) dropped things in different directions
- (b) a situation full of strong emotions or confusing events
- (c) a false idea of belief
- (d) going under the surface of water
- (e) arouse, inspire
- (f) touching gently, showing affection
- (g) causing great public interest and excitement
- (h) detailed

- (ix) elaborate
- (x) dodge

- (i) avoid
- (j) farmer

17. Present the information provided in the table given below in a paragraph : $1 \times 4 = 4$

Nutrition information about milk	Per 100 gm approximately
Energy(kcal)	78.0
Fat(g)	5.0
Carbohydrates as sugar(g)	4.4
Protein(g)	2.3
Calcium(mg)	89
Minerals(g)	0.8

Or

Read the following paragraph and convert it into a bar-graph :

Cost of Vegetables

Carrots and potatoes over a period of four months—January, February, March and April. Carrots were more costly than potatoes during all the months. In January carrots cost ₹ 35 a kilo, while potatoes cost a little less, at ₹ 30 a kilo. The cost of carrots increased to ₹ 40 in February, while there was a sharp fall in the cost of potatoes. There was a sharp rise in the cost of both the vegetables after that and in March the cost of carrots was ₹ 50 per kilo while that of potatoes was ₹ 40. In April once again there was a steep increase in the cost of carrots but the cost of potatoes remained the same as in March. Thus we observe that the cost of carrots kept increasing over the months whereas the cost of potatoes kept fluctuating.

18. Write ANY FOUR of the following transcriptions in Spelling (Normal words) : $4 \times 1 = 4$

(i) /ɪn'təʊ:də(r)/

(ii) /'mʌmbɪ/

(iii) /mes/

(iv) /'libz:(r)tɪ/

(v) /'kɪndl/

(vi) /'fi:tɪsaɪd/

- 19.** Circle the words in **ANY FOUR** of the following sets that sound different with regard to the bold letters : $4 \times 1 = 4$

- (i) **utter** butter **fuse**
- (ii) **student** stupid **study**
- (iii) **exist** **exam** **exercise**
- (iv) **global** green **general**
- (v) life **drink** sink
- (vi) **such** **much** **epoch**

- 20.** Mention the number of syllables in **ANY FOUR** of the following words : $4 \times 1 = 4$

- (i) **observatory**
- (ii) **contemplate**
- (iii) light
- (iv) engage
- (v) individual
- (vi) quiet

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