ENGLISH

I. *Answer these questions:*
   A. *Why did the ships not move when Guliver pulled them?*
   B. *What did the Emperor and his court think on seeing the fleet at distance?*
   C. *How did the Emperor reward him for his services?*
   D. *What is the gist of poem "To Blossoms"?* (1 ×4 = 4)

II. *Read the following passage and answer the questions given at the end.*
   Reldresal told me that Lilliputians were divided into two parties called High Heels and Low Heels, according to the high or low heels of their shoes, which distinguished one party from the other. They opposed each other bitterly, and hated each other so much that the members of one party would hardly eat, drink or talk with those of the other. Although the High Heels were more numerous than the Low Heels, His Majesty, the Emperor was in favour of the Low Heels, and himself wore low heels only. So the government was in their hands now. Reldresal himself was the member of the Low Heels party. They feared, however, that the young prince was sympathetic to High Heels, at least, it was clear that one of the heels was higher than the other, and that gave him a limp in his walking.

Questions (6 ×1=6)
   1. *What was the name of the two political parties in Lilliput?*
   2. *How did the two parties behave with each other?*
   3. *Why was the government in the hands of the Low Heels?*
   4. *The prince was sympathetic to:*
      i. *Low Heels*   ii. *High heels*
      Choose the correct option
   5. *The High Heels were less numerous than the Low Heels. (T/F)*
   6. *They opposed each other bitterly. The word 'bitterly' is used here as:*
      a. *Noun*   b. *Verb*   c. *Adjective*   d. *Adverb*

III. *Read the following lines and answer the questions given at the end.*
   Two roads diverged in a yellow wood,
   And sorry I could not travel on both
   And be one traveller, long I stood
   And looked down one as far as I could
   To where it bent in the undergrowth;

Questions (3 ×1 = 3)
   1. *Find rhyming words from the above lines.*
   2. *Write down the words which have been repeated.*
   3. *Find one poetic device in the above lines.*

IV. *Answer the following questions: (Any Three)*
   a. *What did Malcom Muggeride see on the streets of Kolkata?*
   b. *What kind of life did Sheikh-ul-Alam(RA) Lead?*
   c. *Give the central idea of the poem "The Road not taken".*
   d. *What were the lies Deesa told his employer? Why did he tell such dreadful stories?*
   e. *Write the summary of the poem "I cannot remember my mother".(4 ×3 = 12)*

V. *Write an essay on any one;*
   The teacher I like most,   *Uses of forests,*   *My Friend Circle*   (05)

MATHEMATICS

Q1: **Use factor Theorem to determine whether g(x) is a factor of P(x) in each of the following:**

I. $P(x) = 2x^2 + x^2 - 2x - 1$ - $g(x) = x + 1$

II. $P(x) = x^3 + 3x^2 + 3x + 1$ - $g(x) = x + 2$ **(04)**

Q2: **Find the value of K, if x -1 is a factor of p(x) in each of the following cases;**

I. $P(x) = x^2 + x + k$ II. $P(x) = kx^2 - \sqrt{2}x + 1$ **(04)**

Q3: **Factorize:**

I. $12x^2 - 7x + 1$ II. $x^3 - 2x^2 - x + 2$ **(06)**
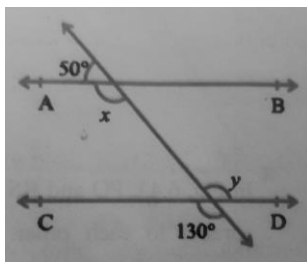
Q4: **Very Short answer type questions;**

I.   How many solutions are there in linear equation in two variables?

II   In Cartesian plane the Intersection point of horizontal line and vertical line is called?

III.   The co-ordinates of origin are?

IV.   Define reflex angle?   **(04)**

Q5: **Short answer type questions; (Any Three)**

A.   The cost of a notebook is twice the cost of pen. Write a linear equation in two variables. To represent this equation?

B.   Express $3x + 2 = 0$ in the form a x **+** by +c = 0 and indicate the values of a, b and c?

C.   If the point (3, 4) lies in the graph of the equation 3y = a x + 7. Find the value of 'a'.

D.   If sides of triangles are a=40m, b = 24m, c = 32m. Find its area   with the help of Heron's formula.   **(06)**

Q6: **Long answer type questions: (Any Two)**

I.   Find the area of a triangle two sides of which are 18 cm and 10 cm and the perimeter is 42 cm?

II.   A triangle and a parallelogram have the same base and the same area. If the sides of the triangle are 26 cm, 28 cn and 30 cm and the parallelogram stand on the base 28 cm. Find the height of the parallelogram.

III.   Find the value of x and y and then show that ABllCD.

        (06)

SOCIAL SCIENCE
History / Political Science

Note: **Attempt all questions from every section.**

Q1: Describe the circumstances leading to the outbreak of revolutionary protest in France?

Q2: Why did the Tsarist autocracy collapse in 1917?

Q3: What is Democracy? Explain its type.

Q4: What is constitution? What are its basic feature?

OR

What is the Philosophy of the Indian constitution?

Short answer type questions

Q5: Name the democratic rights whose origin could be traced to the French revolution?

Q6: Define liberals?

Q7: What is a Political Right?

Q8: Check the correct answer from the given options:

1. International women's Day is celebrated

    a. 22nd March   b. 24th February   c. 22nd February

2. Democracy in ancient times was:-

    a. Direct   b. Indirect   c. Both   d. NOTA

3. Who is called the Father of Indian constitution?

    a. Nehru   b. Dr. B. R. Ambedker   c. M. Gandhi   d. NOTA

Geography/ Economics

Q1: What are the major physiographic Division of Indian? Explain any two:

Q2: What are the various forms of Modern money?

Q3: Do the Map skill of lesson No. 1

Short Answer type questions

Q1: Name the countries which are larger than India?

Q2: Name the Union territories of India?

Q3: Name the island group of India having coral origin?

Q4: Define Loan and Money?

Multiple Choice Questions

Q1: Who is authorized to issue currency in India?

a. SBI   b. RBI   c. PNB   d. NOTA

Q2: What is the height of Mount-Everest?

a. 8848 mtrs   b. 9948 mtrs   c. 7848 mtrs   d. NOTA

Q3: The eastern most longitude of India is:-

a. 77^0 6′E   b. 97^0 25ᴱ   c. 82^0 32′E   d. NOTA

GENERAL SCIENCE

Physics (20 Marks)
Short answer type questions

Q1: *Define the following:*
a. Acceleration
b. Uniform Motion
c. Circular Motion
d. Velocity
(4 × 1½ = 6)

Q2: *Multiple Choice Questions*
1. Kelvin is the unit of ;
   a. Current
   b. Temperature
   c. Luminous intensity
   c. Distance
2. The Kilogram is written in symbol as;
   a. Kg
   b. Kgms
   c. Kgm
   d. Kg
3. S. I. unit of Weight is;
   a. N
   b. Kg
   c. g
   d. NOTA
4. 5^0c is equal to;
   a. 278^0k
   b. 268 K
   c. 278 k
   d. 278 Ks
(4 × 1 = 4)

Q3: *State whether the statements are true or false;*
A) SI is of French origin
B) Idea of decimal originated in India.
C) Number of seconds in a day are 84,400.
D) SI unit of Weight is Kg.
E) Speed is a vector quantity.
(05)

Q4: *Fill in the blanks:*
I. Density is a _____ quantity.
II. Smallest unit of area is _____
III. Fermi is equal to _____
IV. 1 Kg is equal to _____ grms.
V. SI unit of acceleration is _____
(05)

Chemistry (20 Marks)
Note: Answer the following question, attempt all questions:
Section A

Q1: What are the characteristics of particles of matter? *(02)*
Q2: What is evaporation? In what way is it different from boiling? *(02)*
Q3: What do you understand by diffusion? Give one example? *(02)*
Q4: What is meant by a pure substance? *(02)*
Q5: What is difference between a pure substance and a mixture?
         OR
Give reasons to support that water is a compound and not a mixture? *(02)*
Section B

Q6: (a) Which of the following are chemical changes?
   i. Decaying of wood
   ii. Burning of wood
   iii. Sawing of wood

(b)   Which of the following are physical changes?

   i.   Melting iron   ii.   Rusting of iron

   iii.   Bending of Iron rod

(c)   During summer water kept in an earthen pot becomes cool because of the phenomenon of:

   i.   Diffusion   ii.   Transpiration

   iii.   Osmosis   iv.   Evaporation

(d)   The chemical symbol for Sodium is;

   i.   SO   ii.   Sd

   iii.   NA   iv.   Na

(e)   The molecular formula of Water is:

   i. O_2H_2 ii. H_2O_3

   iii. H_2O_2 iv. H_2O (5 × 1 = 5)

Q7:   Fill in the blanks:

   a.   Evaporation of liquid at room temperature leads to a _____ effect.

   b.   _____ is the change of gaseous state directly to solid state without going to the liquid state.

   c.   Solid Carbon Dioxide is also called as _____

   d.   Milk is a _____ solution.

   e.   Ammonia is a compound and not a _____   (5 × ½ = 2 ½)

Q8:   State whether the following are true or false:

   i.   Pascal is the S. I. unit of pressure.

   ii.   Evaporation causes cooling.

   iii.   Gases are not compressible.

   iv.   Boiling point of water is 100^0C.

   v.   Rusting of iron is a physical change.   (5 × ½ = 2 ½)

Biology (20 Marks)

Note: Attempt all questions from every section.

Section – A

Q1:   Who discovered cells and how?

Q2:   Why are Lysosomes known as suicide bags?

Q3:   How does Prokaryotic cell differ from eukaryotic cell?

Q4:   Define the term tissue?

Q5:   Where is apical meristem found?

      OR

Name the different tissues found in Animals?   (5 × 2 = 10)

Section – B

Q6:   Multiple choice questions: (10 × ½ = 5)

1.   The term 'Cell' was given by:
   a.   Robert Brown   b.   Robert Hooke   c.   Rudolf Virchow

2.   'Cell Theory' was proposed by:
   a.   Watson & Crick   b.   Schleiden & Schwan   c.   Singer & Nicolson

3.   Ribosomes are the site for:
   a.   Photosynthesis   b.   Protein synthesis   c.   Respiration

4.   Which of the following possess a double membrane?
   a.   Mitochondria   b.   Nucleus   c.   Chloroplast   d. All the above.

5.   The largest cell in the human body is:-
   a.   Liver cell   b.   Muscle cell   c.   Nerve cell   d.Blood cell

6.   Permanent tissue is derived from:
   a.   Simple   b.   Complex tissue   c.   Meristematic tissue

7.   Bone is an example of:-
   a.   Epithelial tissue   b.   Muscular tissue   c.   Connective tissue

8.   Units of nervous system are:-
   a.   Axons   b.   Neuron   c.   Dendrits   d.   Cytons

9.   Muscles contain special proteins called:
   a.   Globulins   b.   Carrier proteins   c.   contractile proteins

10. Xylem and phloem occur in:-
   a.   Cortex   b.   Periderm   c.   Vascular bundle.

Section – C

A.   Fill in the blanks:

i.   Cells were first discovered by _____ in 1665.

ii.   Cells are enclosed by a _____ composed by lipids & proteins.

iii.   Chloroplasts contain chlorophyll and they perform _____.

iv.   _____ cells have membrane bound organelles.

v.   _____ tissue is the diving tissue present in growing regions of the pant. (5 × ½ = 5

B.   State whether the following are true or false:

a.   Mitochondria are commonly called power house or storage batteries of the cell.

b.   Plastids are the cytoplasmic organelles found in Animal cell.

c.   Nucleus is the most conspious and largest organelle of the Eukaryotic cells.

d.   Plants and animals have different structures and functions.

e.   The connective tissue of animals serve the function of photosynthesis.

URDU

سوال نمبر۱: سوالات کے جوابات لکھئے۔ (صرف پانچ کے)

ا۔   تشبیہ کسے کہتے ہیں؟

۲ ۔   موحولیاتی آلودگی سے کیا مراد ہے؟

۳ ۔   جنگلات کی کٹائی سے کون سے خطرات پیدا ہوگئے ہیں؟

۴ ۔   برصغیر ہندوستان کو زبانوں کا عجائب گھر کیوں کہا گیا ہے؟

۵ ۔   فیض کی شاعری کا موضوع کیا ہے؟

۶ ۔   حکومت اور قوموں پر زوال کیسے آتا ہے؟

ے۔   تقلید یورپ سے کیا مراد ہے؟   (۱۰ = ۲ × ۵)

سوال نمبر۲: مندرجہ ذیل الفاظ کے معنی لکھئے ۔

ا۔ لُغات   ۲۔ صدمہ   ۳۔ تشکیل

۴۔ ظلمت   ۵۔ قلمبند   ۶۔ ریختہ   (۰۳)

سوال نمبر۳: مندرجہ ذیل الفاظ کے جمع لکھئے ۔

ا۔ طرف   ۲۔ مصیبت   ۳۔ لُغت

۴۔ جانب   ۵۔ طبیعت   ۶۔ عالم   (۰۳)

سوال نمبر۴: درجہ ذیل الفاظ کی ضد لکھئے ۔

ا۔ زندگی   ۲۔ شریف   ۳۔ ممکن   ۴۔ خوشبو   (۰۲)

سوال نمبر۵: دیئے گئے الفاظ میں سے (چار) کو اس طرح جملوں میں استعمال کیجئے کہ ان کی تذکیر و تانیث واضح ہوجائے۔

ا۔ پودا   ۲۔ خوشبو   ۳۔ فون

۴۔ رات   ۵۔ روٹی   ۶۔ کتاب   (۰۲)

سوال نمبر ۲: پرنسپل کے نام فیس معاف کرنے کے لئے درخواست لکھئے۔

یا

اسکول سربراہ کے نام ایکسکرشن کروانے کے لئے ایک درخواست لکھیئے۔ (۰۲)

سوال نمبر۷: دیئے گئے اقتباس کو سلیس اردو میں لکھئے۔ مضمون اور مصنف کا حوالہ بھی دیجئے۔

انسان بہت سے ایسے کام کرتا ہے جن کی وجہ سے ماحول میں غیر ضروری خلل پیدا ہوتا ہے۔ اور اس صورت میں ماحولیات کا توازن بگڑ کر زندگی کے لئے خطرناک ثابت ہوتا ہے۔ بڑے اور صنعتی شہروں میں آج سائنس کیسا بھی مشکل ہے اس کی بڑی وجہ کارخانوں اور فیکٹریوں سے نکلنے والے دھوئیں اور چھوٹی بڑی گاڑیوں سے خارج شدہ زہریلی گیسوں کی کثافت فضلات اور دوسرے مضر کیمیکلس کے اخراج سے پانی کی آلودگی میں روز افزوں اضافہ ہو رہا ہے قلبی امراض اب ان صنعتی شہروں کے باسیوں کا مقدر بنتے جا رہا ہیں۔ (۰۲)

سوال نمبر۸: درج ذیل اشعار میں سے صرف (دو) کی بحوالہ شاعر تشریح کیجئے۔

۱۔ جو ہم پہ گزری سو گزری مگر شبِ ہجراں
     ہمارے اشک تری عاقبت سنوار چلے

۲۔ گلوں میں رنگ بھرے بادِ نوبہار چلے
     چلے بھی آؤ کہ گلشن کا کاروبار چلے

۳۔ شکستہ ناؤ اپنی اور موجوں کا تلاطم ہے
     ہو کچھ بھی ساتھیو مجھ کو تو گھبرانا نہیں آتا

۴۔ کیئے جاتا ہوں میں جتنا مداوا
     غمِ دل اور بڑھتا جا رہا ہے (۰۲)