Silver Grove School

TIME: 3 Hrs.   M.M. 80

General Instructions:

1. The question paper contains five sections A, B, C, D and E .
2. Section A consists of 20 questions of 1 mark each .
3. Section B consists of 5 questions of 2 marks each .
4. Section C consists of 6 questions of 3 marks each .
5. Section D consists of 4 questions of 5 marks each .
6. Section E consists of 3 questions based on Case Studies with sub-parts of the values of 1,1 & 2 marks each respectively .

SECTION A

Q1. An angle is 18 degree less than its complementary angle. The measure of this angle is

(a) 36 degree (b) 48 degree   (c) 83 degree   (d) 81 degree

Q2   The bisectors of any two adjacent angles of a parallelogram intersect at:

(a) 30 degree (b) 45 degree   (c) 60 degree   (d) 90 degree

Q3. The bisectors of any two adjacent angles of a parallelogram intersect at:
(a) 30 degree   (b) 45 degree   (c) 60 degree   (d) 90 degree

Q4. The measure of angles between coordinate axes is

a) 0°   b)90°   c)180°   d)360°

Q5. Which of the following is not a criterion for congruence of triangles?

(a) SAS (b) ASA (c) SSA (d) SSS

Q6.The value of $\sqrt{2}$ up to 3 decimal place is

a) 1.4010   b)1.412   c)1.414   d)1.413

Q7. For drawing a frequency polygon of a continuous frequency distribution, we plot the points whose ordinates are the frequencies of the respective classes and abscissa are respectively:

(a) upper limits of the classes   (b) lower limits of the classes
(c) class marks of the classes   (d) upper limits of preceding classes

Q8. The value of semi-perimeter of an equilateral triangle having area $4\sqrt{3}$ sq cm is
(a) 8 cm   (b) 36 cm   (c) 16 cm   (d) 6 cm

Q9. Euclid stated that all right angles are equal to each other in the form of

(a) A Postulate   (b) A Proof   (c)An Axiom   (d)A Definition

Q10. 0.01233333….. can be expressed in rational form as

(a)900/111   (b) 111/9000

(c)123/100   (d)111/900

Q11. The abscissa of a point is the distance of the point from

a) Origin   b) x-axis   c) y-axis   d) none of these

Q12. If two acute angles of a right triangle are equal, then each acute angle is equal to

a) 45^0 b) 60^0 c) 30^0 d) 90^0

Q13. If (4, 19) is a solution of the equation $y = ax + 3$, then $a=$

(a) 3   (b) 4   (c) 5   (d) 6

Q14. How many linear equations are satisfied by x = 2 and y = −3?

(a) Only one   (b) Two   (c) Three   (d) Infinitely many

Q15. Given angle PQR =3x and angle QOR=2x+10, if POQ is straight line, then value of x is

(a)30^0 (b)$36^{0.}$ (c) 17^0 d)34^0

Q16. It is known that if x + y = 10 then x + y + z = 10 + z. The Euclid's axiom that

illustrates this statement is :

(a) First Axiom (b) Second Axiom

(c) Third Axiom (d) Fourth Axiom

Q17John is of the same age as Mohan. Ram is also of the same age

as Mohan. State the Euclid's axiom that illustrates the relative ages of John and Ram

(a) First Axiom (b) Second Axiom

(c) Third Axiom (d) Fourth Axiom

Q18. Consider the following statements:
When two straight lines intersect:
(i) adjacent angles are complementary
(ii) adjacent angles are supplementary
(iii) opposite angles are equal
(iv) opposite angles are supplementary
    Of these statements

(a) (i) and (ii) are correct
(b) (ii) and (iii) are correct
(c) (i) and (iv) are correct
(d) (ii) and (iv) are correct

Q.19   **Assertion (A):** If $(x - 1)$ is a factor of $4x^3 + 3x^2 - 4x + k$, then $k = -3$

Reason (R): $(x - a)$ is a factor of the polynomial $p(x)$ if $p(a)=0$.

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

Q.20   **Assertion (A): $2 + \sqrt{6}$ is an irrational number.**

Reason (R): Sum of a rational number and an irrational number is always an irrational number.

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

Reason: If two sides and the included angle of one triangle are equal to two sides and the included angle of the other triangle, then the two triangles are congruent
a) both Assertion and reason are correct and reason is correct explanation for Assertion.
b) both Assertion and reason are correct but reason is not correct explanation for Assertion
c) Assertion is true but reason is false.
d) both Assertion and reason are false.

SECTION B

Q.21 Write the coordinates of the point:

i)   Which lie on x and y axes both.

ii)   Whose ordinate is -4 and which lies on y axis.

Q.22   The diameter of a right circular

cone is 8 cm and its volume is 48π cubic centimetre. Find the height of cone.

Q.23 – The following points lies in which quadrant : (i) (3, -7) (ii) (0, 0) (iii) (-3, -5) (iv) (0, -11) .

Q.24 – The dimensions of a cuboid are in the ratio of 1:2:3 and its total surface area is 88 m². Find the dimensions?

Q.25 – Factorise $125x^3 - 27$.
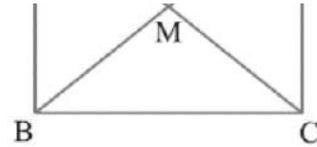
SECTION C

Q26   Prove that the angle subtended by an arc at the centre is double the angle subtended by any point on the remaining part of the circle.

Q 27

In right triangle ABC, right angled at C, M is the mid-point of hypotenuse AB. C is joined to M and produced to a point D such that DM = CM. Point D is joined to point B

(see Figure). Show that:
(i) $\triangle$ AMC $\cong$ $\triangle$ BMD
(ii) $\angle$ DBC is a right angle.
(iii) $\triangle$ DBC $\cong$ $\triangle$ ACB

Q 28 – Find a and b, if (x + 1) and (x + 2) are factors of $(x^3 + 3x^2 - 2ax + b)$.

Q.29 – : if $(x + 1/x)^3 = 3$ find the value of : $x^{72} + x^{66} + x^{54} + x^{36} + x^{24} + x^6 + 1$
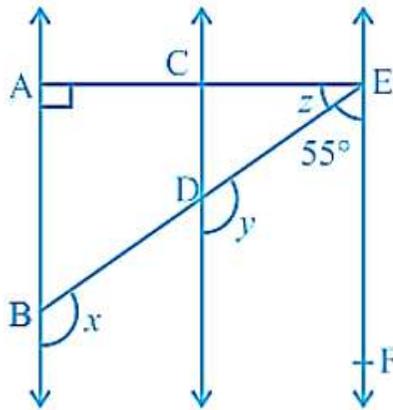
Q.30 – Represent $\sqrt{9.3}$ on number line.

Q.31 – (i)Prove that the sum of three angles of a triangle is180°.

(ii) Show that the angle of an equilateral triangle is 60°.

OR

Fig., AB || CD and CD || EF. Also, EA $\perp$ AB. If $\angle$ BEF = 55°, find the values of x, y and z.

SECTION D

Q.32 – Factorize each of the following :

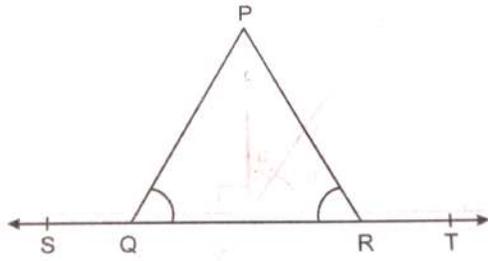   (i) $27x^3 - y^3 - z^3 - 9xyz$.

   (ii) $(a-b)^3 + (b-c)^3 + (c-a)^3$.

Q.33 – Monica has a piece of canvas whose area is 551 m² . She uses it to have a conical tent made, with a base radius of 7 m. assuming that all the stitching margins and the wastage incurred while cutting, amounts to approximately 1 m², Find the volume of the tent that can be made with it.

Q.34- A right triangle ABC with sides 5 cm, 12 cm and 13 cm.
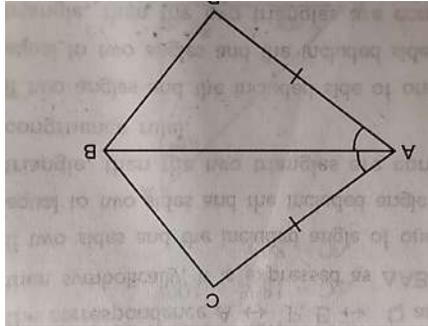   (a) If the triangle ABC is revolved about the side 12 cm, then find the volume of the solid so obtained.
   (b) If the triangle ABC is revolved about the side 5 cm, then find the volume of the solid so obtained.
   (c) Find the ratio of the volumes of the two solids obtained
                                        OR

In figure, $\angle$ PQR = $\angle$ PRQ, then prove that $\angle$ PQS = $\angle$ PRT.

Q35. In quadrilateral ABCD, AC = AD and AB bisects $\angle A$ (see figure). Show that $\triangle ABC \cong \triangle ABD$. What can you say about BC and BD?

OR

(a) Prove that :Angles opposite to equal sides of an isosceles triangle are equal.

(b) Factorise : $64m^3 - 243n^3$

CASE STUDY 1

Q.36–

Two partners start a business together. They decided to share their capitals depending upon the variable expenditure. The capital of two partners together is given $4x^2 - 8x - 5$ which is the product of their individual share factors.

a. Write the degree of given polynomial and also write the name of polynomial on the basis of degree.   1

b. Name of the polynomial of amount invested by each partner.   1

c. What are the shares of two partners invested individually?   2
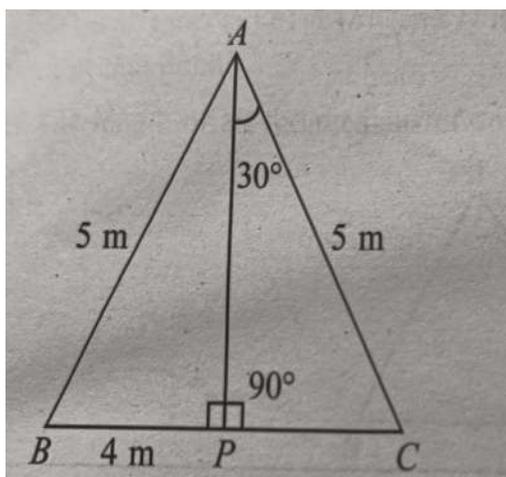
OR

What is the total amount invested by both, if x = 100.

CASE STUDY 2 Q.37-

In a forest, a tree got broken due to heavy rain. Due to this rain , the branches AB and AC of tree length are 5 m and fell down on the ground.

The branch AC makes an angle 30 degree with the main tree AP. The distance of point B from P is 4 m.

Now answer the following questions.

1. ΔACP and ΔAABP are congruent by which criteria?

    (a) SAS   **(b) ASA**

    (c) RHS   **(d) SSS**

2. What is the length of CP?

    (a) 3 m   **(b) 4 m**

    (c) 10 m   **(d) 5 m**

3.What is the value of ∠BAP?

    (a) 40°   **(b) 30°**

    (c) 50°   **(d) 60°**

CASE STUDY 3

Q.38-

To judge the preparation of students of class 9th on the topic rationalisation of irrational numbers, Mathematics teacher defined rationalisation saying that when the denominator of an expression contains the term with the square root, the procedure of converting it to an equivalent expression whose denominator is rational number is called rationalising that denominator

  Based on the above information answer the following questions

a) Rationalize $\dfrac{1}{\sqrt{3}+\sqrt{2}}$ 1

b) Classify the following as Rational or irrational number $(6-\sqrt{27})-(-\sqrt{27}-8)$ 1

c) Simplify $(\sqrt{14}-2\sqrt{2})^{2}$ 2

                  OR

Rationalize the denominators of $\dfrac{\sqrt{7}}{\sqrt{11}-\sqrt{5}}$ 4

Silver Γrove School

Practice Set [B](2025-26)
CLASS- IX B
SUBJECT: ENGLISH

Time:3Hrs   **M.M. - 80**

General Instructions:

1. This question paper comprises 11 questions. All questions are compulsory.
2. The question paper contains **THREE** sections -
   Section - A: Reading Skills
   Section - B: Grammar and Writing Skills
   Section - C: Literature Text Book
3. Attempt questions based on specific instructions for each part.

Section A (Reading)

A. **Read the passage carefully and answer the questions that follow:**   **[10M]**

1. Ravi was known in his village as a quiet and hardworking boy. Every morning before going to school, he would help his mother fetch water from the well and feed the cattle. Though his family was not wealthy, they were rich in values and kindness.

2. One evening, as Ravi was returning from school, he noticed an old man struggling to carry a heavy bag. Without hesitation, Ravi offered to help him. The old man smiled gratefully and blessed the boy for his kindness. Ravi simply nodded and continued walking, not expecting anything in return.

3. A few weeks later, Ravi's school announced a scholarship examination. Ravi worked day and night preparing for it. On the day of the results, he was nervous. To his surprise, he had secured the highest marks and won the scholarship. Among the guests present at the award ceremony was the same old man he had helped. He turned out to be a trustee of the school.

4. Ravi realized that true kindness never goes unnoticed. Good deeds may not bring immediate rewards, but they always leave a lasting impact.

Answer the following questions based on the above passage: [4]

i. Ravi was known as:
 a) Arrogant
 b) Lazy
 c) Quiet and hardworking
 d) Wealthy

ii. Ravi helped the old man:
 a) For money
 b) For praise
 c) Without hesitation
 d) After being forced

iii. Ravi won:
 a) A medal
 b) A scholarship
 c) A trophy
 d) A job

iv.   The old man was:
a) A farmer
b) A shopkeeper
c) A trustee of the school
d) A teacher

Short Answer Questions.   [2M]

a) Why was Ravi nervous on the day of the results?
b) What lesson does the story teach

Long Answer Question: [2M]
"True kindness never goes unnoticed."
Explain this statement with reference to the story. How did Ravi's simple act of kindness influence his life? What message does the author want to convey through this incident?

Long Answer Question: [2M]
Ravi did not expect any reward when he helped the old man.
Do you think good deeds should be done without expecting anything in return? Justify your answer with examples from the story and real life options:

1. **Read the passage carefully and answer the questions that follow: [10M]**

1.   Meera had always been a bright student, but she was careless about her duties at home. She often ignored her mother's requests to help with small chores, saying she was too busy with schoolwork. One day, her mother fell ill and was unable to manage the household tasks.

2.   Suddenly, Meera had to take responsibility. She cooked meals, cleaned the house, and ensured her younger brother completed his homework. At first, she felt tired and frustrated. However, gradually she realized how much effort her mother put in every single day.

3.   After a week, when her mother recovered, Meera apologized for her earlier behaviour. She promised to share responsibilities and keep a balance between her studies and home duties. This experience taught her that responsibility is not a burden but a sign of maturity.

Based on your understanding of the passage, answer the questions given below:

MCQs [1×4M]
i.   Meera was:
 a) Lazy in studies
 b) Bright but careless at home
c) Always responsible
d) Weak in academics

ii.   Meera understood her mother's efforts when:
 a) She failed in exams
b) Her mother scolded her
c) Her mother fell ill
d) She met her teacher

iii.   At first, Meera felt:
a) Happy

b) Proud
c) Tired and frustrated
d) Excited

iv. The story teaches that responsibility is a sign of:
a) Weakness
b) Immaturity
c) Maturity
d) Fear

B. Short Answer Questions [1×2M]
v. Why did Meera avoid helping her mother earlier?
vi. What change came in Meera's attitude after her mother recovered?

C. Long Answer Question [2×2M]
1) Describe how Meera's experience changed her personality. What message does the story convey to young students?

2) Describe what happened when Meera's mother fell ill. What responsibilities did Meera take up and how did she feel in the beginning?

Section B (Grammar & Writing)

2. **Complete ANY TEN of questions of the following tasks, as directed** [10M]

(i) Fill the blanks using correct form of tenses and verbs (Gap filling):
(1)
   • She _____ (go) to school everyday.
   • We_____(play) cricket yesterday.
   • The children_____(be) playing in the garden
   • The planets_____(rotate) on their own axis.

(ii) Fill in the blanks using correct form of Preposition and Articles (Gap filling)
(1)
   • He has___ umbrella
   • The boy standing_____ the door.
   • She is taller_____ her sister
   • I will call you_____ I arrive

(iii) Find error of the following given and edit. (1)
   • Inclination nor the time for do so.
   • He had, however, firm faith about truth.
   • Mahatma Gandhi did not set out as involve a
   • Philosophy of life or formulate a symbol

(iv) Choose the correct preposition and fill in the blanks. (1)
   • We will meet _____ 5 p.m. (at / on / by)
   • The book is lying _____ the table. (on / in / at)
   • He is fond _____ music. (of / in / at)
   • She has been waiting _____ two hours. (since / for / from)

(v)   Rewrite the following sentences in reported speech.   (2)
- She said, "I am tired."
- Rohan said, "I play cricket every day."
- Mother said to me, "Finish your homework."
- The teacher said, "The earth revolves around the sun."

(vi)   Each sentence has an incorrect preposition. Identify and correct it.
(1)
- She is married with a doctor.
- He is good in Mathematics.
- The principal discussed about the issue.
- I prefer tea than coffee.

(vii)   Each line has one error. Write the incorrect word and the correction
(1)
(a)
She go to school every day.

(b)
He is more taller than his brother.

©
The boys is playing in the ground.

(d)
I have seen him yesterday.

(viii)   The following passage has one error in each line. Identify the error and write the correct word.
(1)
Ravi is a very intelligent boy.
He study in Class IX.
He always complete his homework on time.
His teachers appreciates him.

(ix)   Rewrite the following sentences so as to remove the word 'too'……
(1)
- He is too Proud to beg.
- She is too dull to understand it.

(x)   Write a summary of the poem "A slumber did my spirit seal".
(1)

(xi)   Transform the following questions into Assertive sentence.   (1)
- Who would like to waste money?
- Who can put up with such treatment?

4.   Write a descriptive paragraph on "Rope way Project in your city"   [5]
OR
Your school recently celebrated an Annual Function Give a brief account of celebrations.

5. **Write a letter to the Editor of a newspaper about the importance of cyber safety and responsible use of social media among teenagers in today's digital age.** [5]

OR

Write a story in 150-200 words based on the clues given below.

A English man exploring India on the occasion of Holi and he finds………….

Section C (Literature)

6. **Read the given extracts and answer the questions that follow. (Any one)**

1. "When the last leaf falls, I will die," said Johnsy with finality. "I have known this for the last three days".

   "Oh, that's nonsense, "replied Sue. "What have old ivy leaves to do with your getting well? The doctor is confident that you will get better".

   A. What made Johnsy believe she would die? And why.
   B. What does the word 'finality' show about Johnsy state of mind?
   C. Why was this belief dangerous for her recovery?

2. "What can you do? You ask what you can do?" cried Sergei, coming close to him. "Work! That's what you can do! You must work!"

   "Work— yes. I know that myself; but where can I find work?"

   "How would you like to chop wood for me?"
   [1]

   A. To whom it was said and why? Explain your thought.
   B. How does it helped beggar? What was the earning of chopping woods?
   C. What was the intention of speaker in this particular extract? What value is taught here.

3. On the whole, the small society of Rameswaram was very rigid in terms of the segregation of different social groups. However, my science teacher Sivasubramania Iyer, thought an orthodox Brahmin with a very conservative wife, was something of a rebel.

   i. Which social groups does he mention were these groups easily identifiable.
   (1)
   ii. Were they aware only of their difference or did they also naturally share friendship and experiences. (1)
   iii. Elaborate in about 40 words, with reference to the extract
   (1)
   iv. The author speak both of people who were very aware of the differences among them and those who tried to bring there difference. Can you identify such people in the text.
   (2)

7. **Read the extracts and answer the questions that follow: (Any one)**

1. *Let us remember, whenever we are told*
   To hate our brothers, it is ourselves
   That we shall dispossess, betray, condemn.
   Remember, we who take arms against each other

   i. When do you think this happens? And why. [1]
   ii. Who tells us ? Should we do as we are told at such times? [1]

    iii.   What does the poet say? Explain in your own words
           [1]
    iv.   What role do the sun and air play in killing a tree? What will happen if the miniature boughs
        are left unchecked?   [2]

2. *Therefore she kneaded another,*
   And still a smaller one;
   But it looked, when she turned it over,
   As large as the first had done.
    i.   What does this stanza reveal about the old lady's character?
           [1]
    ii.   What does he line "As large as the first had done suggest?   [1]
    iii.   What literary device is used in the first lines to emphasize her action.   [1]
    iv.   Why was she trying to make a cake that was smaller than the first one? What was the intention.
           [2]

8.   **Answer ANY FOUR of the following five questions, in about 40-50 words.**
    i.   How does author describes his father, his mother, himself ?
           [3]
    ii.   Write the story of A Legend of the Northland in about ten sentences.
           [3]
    iii.   What is the meaning of "bleeding bark"? What makes it bleed?
           [3]
    iv.   Why does intruder choose Gerrard as the man whose identity he wants to take on?
        [3]
    v.   A mystery I propose to explain. "What is the mystery the speaker proposes to explain?
           [3]

9.   **Answer ANY TWO of the following three questions, in about 40-50 words.**
    i.   Do you think the feeling of depression Johnsy has is common among teenagers?
           [3]
    ii.   How have the people of the community helped one another? What role do the women of
        Kalikudo play during these day?   [3]
    iii.   What does the swallow see when it was flying over the city?   [3]

10.   **Answer ANY ONE of the following two questions, in about 100-120 words**
    i.   Compare and contrast the atmosphere in and around the Baudhnath shrine with the
        Pashupatinath temple.   [3]
    ii.   What did Santosh tell her parents regarding her marriage? Write your answer in the context
        of Reach for the Top.   [3]
11.   **Answer ANY ONE of the following two questions, in about 100-120 words**
    i.   Luskoff is earning thirty-five roubles a month. How is he obliged to Sergei for this?
           [6]
    ii.   What is Johnsy's illness? What can cure her, the medicine on the willingness to love?   [6]

SAMPLE PAPER (INFORMATION TECHNOLOGY – 402)

Answer any 4 out of the given 6 questions. **(1x4=4 marks)**

1.   Communication skills are also known as:

a) Technical skills   b) Life skills   c) Management skills   d) Business skills

2.   Which of the following is a barrier to communication?

a) Clear speech   b) Noise   c) Confidence   d) Feedback

3.   The full form of ICT is:

a) Information Computer Technology   b) Information Communication Technology

c) Internet Communication Tool   d) Internal Computer Technique

4.   Entrepreneur is a person who:

a) Works for others   b) Starts and manages a business

c) Teaches in school   d) Repairs computers

5.   Which of the following is an example of self-management skill?

a) Time management   b) Fighting   c) Ignoring work   d) Shouting

6.   Green economy promotes:

a) Pollution   b) Environmental protection   c) Plastic use   d) Deforestation

Answer any 5 out of the given 6 questions. **(1x5=5 marks)**

7.   Spreadsheet software is used to:

a) Edit images   b) Perform calculations   c) Watch movies   d) Create music

8.   The default extension of LibreOffice Calc file is:

a) .docx   b) .xlsx   c) .ods   d) .ppt

9.   Cell address A1 refers to:

a) Column A, Row 1   b) Row A, Column 1   c) Column 1, Row A   d) None

10.   Formula in spreadsheet always begins with:

a) @   b) #   c) =   d) &

11.   Which function is used to find total?

a) AVG   b) SUM   c) MAX   d) COUNT

12.   Operating System is:

a) Hardware   b) Software   c) Input device   d) Output device

Answer any 5 out of the given 6 questions.   **(1x5=5 marks)**
13.   Which of the following is an input device?
   a.   Monitor   b.   Printer
   c.   Keyboard   d.   Scanner
14.   What does CPU stands for
   a.   Central processing unit   b.   Central program unit
   c.   Central peripheral unit   d.   Control processing unit
15.   Which software is used to create a document
       a.   Powerpoint   b.   Excel   c.   Word   d.   Access
16.   A webpage is written using……language.
       a.   C   b.   HTML
       C.   Java   d.   Python
17.   What is the extension name of Microsoft excel file?
           a.   .docx   b.   .odt   c.   .xls   d.   .pdf
18.   What is the keyboard shortcut to print a document?

       a.   ctrl+s   b.   ctrl+p   c.   ctrl+z   d.   ctrl+x

Answer any 5 out of the given 6 question.   **(1x5=5 marks)**
19.   Which function is used to calculate the sum in Calc?
   a.   =AVERAGE()   b.   =SUM()   c.   =IF()   d.   =COUNT()
20.   What symbol is used to start a formula in spreadsheets?
   a. $ b.   %   c.   =   d.   @
21.   Microsoft Powerpoint is a popular …………
       a.   Database software   b.   Word processor software
       b.   Presentation Software   c.   Programming software
22.   Which one is an example of application software?
   a.   Windows   b.   MS Paint
   c.   Linux   d.   Android
23.   Which of the following is a strong password?
   a.   123456   b.   password
   c.   ABHish123#   d.   abcd
24.   How many methods can be used to insert row and column in a table?
       c.   One   b.   Two   c.   Three   d.   Four

Answer any 5 out of the given 6 questions.   **(1x5=5 marks)**

25.   Example of input device:
       a) Monitor   b) Printer   c) Keyboard   d) Speaker
26.   Antivirus protects computer from:
       a) Dust   b) Virus   c) Heat   d) Water
27.   Cyber safety means:
       a) Playing games   b) Safe use of internet   c) Watching videos   d) Sending spam
28.   Strong password should contain:
       a) Only numbers   b) Only name   c) Letters, numbers & symbols d) Date of birth
29.   HTTP stands for:
       a) Hyper Text Transfer Protocol   b) High Text Transfer Process
       c) Hyper Tool Transfer Program   d) None
30.   Email is used for:
       a) Cooking   b) Sending electronic messages   c) Cleaning   d) Printing

Answer any 3 out of the given 5 questions. (2x3=6 marks)
1. What is a Slide Master?
2. What is the difference between Title Bar & Status Bar.
3. Define communication and list its types.
4. What is active listening?
5. Write any two qualities of an entrepreneur.

Answer any 4 out of the given 6 questions. (2x4=8 marks)
1. What is Formula? Name the types of formula present in Excel.
2. What is Page Orientation?
3. Define green skills.
4. What is spreadsheet?
5. What is a formula? Give one example.
6. What is cyber bullying?

Answer any 3 out of the given 5 questions. (4x3=12 marks)
1. Explain the Mail Merge process to create personalized letters.
2. Differentiate the followings:-
   a. Undo and Redo
   b. Ram and Rom.
3. Ravi was giving a presentation in class. Some students were talking loudly and he felt nervous. His message was not clearly understood. Answer the following:
   a) Identify the barrier in communication.
   b) Suggest two ways to improve communication.
   c) Why is feedback important?
   d) What skill should Ravi improve?
4. Neha prepared a mark sheet in LibreOffice Calc. She entered marks of 5 subjects and wanted to calculate total and average automatically. Answer the following:
   a) Which function will she use for total?
   b) Write formula to calculate average.
   c) What is cell reference?
   d) What is the extension of Calc file?
5. Aman received an email asking for his bank details and password. The email looked suspicious.
   Answer the following:
   a) What type of fraud is this?
   b) What should Aman do?
   c) Define phishing.
   d) Write two cyber safety rules.

****

Class IX – Science

Session: 2025–26

Sample Question Paper – 2

Time Allowed: 3 Hours   Maximum Marks: 80

General Instructions

This question paper consists of 39 questions divided into 3 sections. Section A – Biology
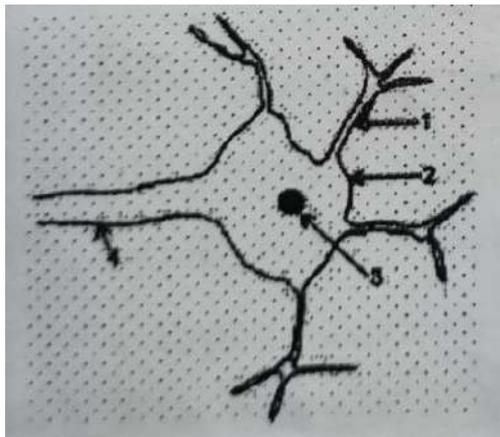
Section B – Chemistry ,Section C – Physics

All questions are compulsory.

Internal choices are provided in some questions. Attempt only one of the alternatives.

Section A – Biology

Q1. The students were shown the slide of a nerve cell. They were asked to drawn the diagram of the nerve cell. The correct sequence of labelling 1,2,3 ,4 is.   [1]

a) Cilia , Nucleus, Dendrite , Cyton

b) Axon , Nissl's granule, Dendrite, Cytoplasm

c) Dendron , Cyton, Nucleus, Axon

d) Axon , Cytoplasm , Dendrite , Nucleus

Q2. Match the following with the correct response: [1]

Column A.   Column B

(a) Genes.   (i) Loss of water by plant cells

(b) Diffusion.   (ii) Gases

(c) Osmosis.   (iii) Hereditary units

(d) Plasmolysis.   (iv) Movement of water molecules

a) (a-iii), (b-ii), (c-iv), (d-i)

b) (a-i), (b-iii), (c-ii), (d-iv)

c) (a-iv), (b-i), (c-iii), (d-ii)

d) (a-ii), (b-iv), (c-i), (d-iii)

Q3. Choose the wrong statement: [1]

A. The nature of the matrix differs according to the function of the tissue

B. Fats are stored below the skin and in between internal organs

C. Epithelial tissues have intercellular spaces between them

D. Cells of striated muscles are multinucleate and unbranched

a) D

b) B

c) C

d) A

Q4. Assertion–Reason: [1]

Assertion (A): Meristematic tissues are growth tissues and are found in growing regions of plants.

Reason ®: According to position, meristematic tissues are of three types.

a) Both A and R are true and R is the correct explanation of A

b) Both A and R are true but R is not the correct explanation of A

c) A is true but R is false

d) A is false but R is true

Q5. Assertion–Reason: [1]

Assertion (A): Mitochondria are called the powerhouse of the cell.

Reason ®: Mitochondria produce cellular energy in the form of ATP.

(Options same as Q4)

Q6. Describe the function of bones. [2]

Q7. If the organisation of a cell is destroyed due to physical or chemical influence, what will happen? [2]
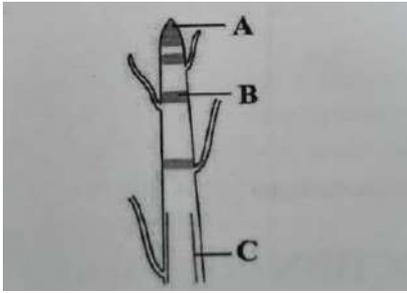
OR

What is the functional unit of life? Define it.

Q8. Why are manure and fertilizers used in fields? [2]

Q9. Observe the given diagram and answer the questions: [3]

a) Identify the type of tissue shown.

b) Label parts A B C

c) Where is this tissue found? What is its nature?

Q10. Answer the following: [3]

a) What is the main purpose of green manure?

b) Name any two plants used for green manure.

c) What is the advantage of biological manure?

Q11. Read the passage and answer: [4]

Animal tissue has various types of epithelial tissue, connective tissue, muscular tissue, and nervous tissue and of tissue one of them is the connective tissue which consists of blood , bone cartilage . Blood is the fluid matrix called plasma in which red blood cells, white blood cells , and platelet are suspended while bone form the framework that supports the body it also anchors the muscle and supports the main organ of the body . Two bones are connected by a ligament. Cartilage is a solid matrix composed of sugar and protein.

a) Name the tissue that connects muscle to bone.   (1)

b) Matrix of bone cells is composed of _____.   (1)

c) How does muscle connect to bone?   (2)

OR

Where is cartilage found in the human body?   (2)

Q12. What are cell organelles? Name different cell organelles. [5]

OR

Answer the following:

a) Which process converts meristematic tissue into permanent tissue?

b) Which feature helps aquatic plants maintain buoyancy?

c) Why is epidermis thicker in plants of dry habitats?

d) Living component of xylem

e) Dead element of phloem

f) Tissue conducting water and minerals vertically

Section B – Chemistry

Q13. Which statement is true? [1]

Statement A: Temperature of liquid remains constant during boiling.

Statement B: Pressure of air at sea level is 70 cm.

a) Both A and B false

b) Both A and B true

c) Only B

d) Only A

Q14. Which statement is NOT true about H_2SO_4? [1]

A. Contains 2 H, 1 S, 4 O

B. Relative molecular mass = 98

C. One molecule of H_2, one atom of S and two molecules of O_2

D. Relative molecular mass = 108

a) B and C

b) All

c) A, B and D

d) C and D

Q15. Fermentation of grapes is an example of: [1]

a) Chemical change

b) Redox reaction

c) Reversible change

d) Physical change

Q16. Match the following: [1]

(a) Discovery of subatomic particles –   (i) Discharge tube

(b) Energy levels –   (ii) Orbits

© Universal particles –   (iii) Electrons

(d) Canal rays –   (iv)Positively charged

Q17. Number of molecules bonded by hydrogen bonding in $CuSO_4·5H_2O$ is: [1]

a) 5

b) 3

c) 2

d) 1

Q18. Which among the following is an example of a chemical change? [1]

a) Adding concentrated sulphuric acid to sugar

b) Folding paper

c) Kneading of wheat flour

d) Sublimation of Camphor

Q19. Which is a physical change? [1]

a) Burning of wood

b) Souring of milk

c) Digestion of food

d) Magnetizing a piece of iron

Q20. Assertion–Reason: [1]

Assertion: 1 mole is equal to number of atoms in 1 gm of C 12

Reason: Carbon has even number of atoms.

(Options same as earlier)

Q21. Define gram atomic mass.   [2]

Q22. Explain solubility behaviour of NaCl and Li_2CO_3 with temperature. [3]

OR

Differentiate between Gram atomic mass and Atomic mass unit.

Q23) An element with similar physical properties but different chemical properties is called   [3]

a) What are isotpoes

b) What are isobars

c) What makes isotopes ?

Q24. What is a mixture   [4]

a) Differentiate between heterogeneous mixture and homogeneous mixture   (1)

b) How would you separate solid from solid ?   (1)

c) What is Element.?   (2)

OR

Example of Solid directly getting converted to gaseous state.   (2)

Q25. Give electronic configuration of first 7 elements starting form hydrogen
[5]

Section C – Physics

Q26.What can be an effect of force?   [1]

A) Change in colour of an object

B) Change in shape of an object

C) Change in temperature only

D) Change in smell

Q27. Which energy cannot be completely converted?   [1]

a) Nuclear

b) Solar

c) Heat

d) Mechanical

Q28. Which statement is false?   [1]

a) Constant velocity, varying speed

b) Zero velocity, still accelerated

c) Constant speed, varying velocity

d) Direction changes with constant acceleration

Q29. In SONAR ,we use   [1]

a) ultrasonic waves

b) infrasonic

c) radio wave

d) audible sound

Q30. Assertion–Reason:

 Assertion (A): The velocity of sound in hydrogen gas is less than the velocity of sound in oxygen gas. [1]

Reason (R): The density of oxygen is more than the density of hydrogen.

a) Both A and R are true and R is the correct explanation of A.

b) Both A and R are true but R is not the correct explanation of A.

c) A is true but R is false.

d) A is false but R is true.

Q.31 If the frequency of a sound wave is 500 Hz, then what is its time period?   [1]

a) 0.002 second

b) 0.2 seconds

c) 0.02 second

d) 2 second

Q.32 When sound waves travel from air to water, which of the following remains constant?   [1]

a) Velocity

b) Frequency

(c) Wavelength

d) All the above

Q.33 Calculate the wavelength of a sound wave whose frequency is 300 Hz and speed is 330 m/s.

[2]

Q.34 A sound wave has a frequency of 1,000 Hz and a wavelength of 34 cm. How long will it take to travel 1km?

[2]

Q.35 A stone is dropped from the top of a tower 500 m high into a pond of water at the base of the tower. When is the splash heard at the top? Given, g = 10 s-2 and speed of sound = 340 m s-1.   [3]

Q.36 A person has a hearing range from 20 Hz to 20 kHz. What are the typical wavelengths of sound waves in air corresponding to these two frequencies? Take the speed of sound in air as 344 m s-1.
[3]

Q.37 The kinetic energy of an object of mass m moving with a velocity of 5 m s^{-1} is 25 J. What will be its kinetic energy when its velocity is doubled? What will be its kinetic energy when its velocity is increased three times?

 [3]

During a school trip to a hilly area, Ramesh and his friends were standing near a large mountain. Ramesh shouted loudly, and after a short pause, he clearly heard the same sound coming back to him. His science teacher explained that when sound waves strike a large hard surface like a mountain, they are reflected back and heard again as an echo.

The teacher further explained that echo is not only heard in hilly areas but is also very useful in our daily life. Ships use echo to measure the depth of the sea, bats use echo to find their way in the dark, and doctors use echo techniques to examine internal organs of the human body.

Questions:
    a) What is meant by an echo?
    b) Why was Ramesh able to hear the echo near the mountain?
c) Name any two applications of echo mentioned in the case study.

d) Which device is used by ships to measure the depth of the sea using echo?   [4]

Q.39 A person standing in front of a cliff fires a gun and hears its echo after 3s. If the speed of sound in air is 336 ms-1

(a) Calculate the distance of the person from the cliff.

(b) After moving a certain distance from the cliff, he fires the gun again and this time the echo is heard 1.5 s later than the first. Calculate distance moved by the person.

[5]

Silver Grave School ANNUAL EXAMINATION (2025-26)

Class-9th

SUBJECT: HINDI

M.M 100

TIME:

निर्देश-नीचे दिए गए प्रश्नों के उतर लिखिए

प्रश्नों के अंक उसके सामने दिए गए हैं

लेखन कार्य में स्वच्छता

<div align="center">

खंड 'क'

</div>

1निम्नलिखित गद्यांश को पढ़कर सभी बहुविकल्पीय प्रश्नों को कीजिए:-5

समय बहुत मूल्यावान होता है। यह बीत जाए तो लाखों-करोड़ों रुपये खर्च करके भी इसे वापस नहीं लाया जा सकता। इस संसार में जिसने भी समय की कद्र की है, उसने सुख के साथ जीवन गुजारा है और जिसने समय की बर्बादी की, वह खुद ही बर्बाद हो गया है। समय का मूल्य उस खिलाड़ी से पूछिए, जो सेकंड के सौवे हिस्से से पदक चूक गया हो। स्टेशन पर खड़ी रेलगाड़ी एक मिनट के विलंब से छूट जाती है। आजकल तो कई विद्यालयों में देरी से आने पर विद्यालय में प्रवेश भी नहीं करने दिया जाता। छात्रों को तो समय का मूल्य और भी अच्छी तरह समझ लेना चाहिए, क्योंकि इस जीवन की कद्र करके वे अपने जीवन के लक्ष्य को पा सकते हैं।

(क) उपरोक्त गद्यांश में कीमती किसे माना गया है?

(i) जीवन को

(ii) अनुशासन को

(iii) समय को

(iv) खेल को

(ख) किसने सुख के साथ जीवन गुजारा

(i) जिसने दुनिया में खूब धन कमाया

(ii) जिसने मीठी बाणी बोली

(iii) जिसने समय की कद्र की

(iv) जिसने समय को बर्बाद किया

(ग) सेकंड के सौवें हिस्से से पदक कौन चूक जाता है

(i) खिलाड़ी जिसने मामूली अंतर से पदक गंवा दिया हो

(ii) वह यात्री जिसकी ट्रेन छूट गई

(iii) उपर्युक्त दोनों लोग

(iv) इनमें कोई नहीं

(घ) छात्रों को समय की कद्र करने से क्या लाभ होता है?

(i) वे स्वस्थ हो जाते हैं।

(ii) वे मेधावी बन जाते हैं।

(iii) वे सभी विषयों में 100% अंक प्राप्त करते हैं।

(iv) वे लोकप्रिय हो जाते हैं।

ङ इस गद्यांश का उपयुक्त शीर्षक लिखिए

(1) समय का मूल्य

(ii) जीवन का लक्ष्य

(iii) विद्यार्थी जीवन में समय का महत्त्व

(iv) अनुशासन

2निम्नलिखित पठित पठ्यांश पर आधारित बहुविकल्पीय प्रश्नों के सर्वाधिक उपयुक्त विकल्प चुनकर लिखिए।5

ऐसा है आवेश देश में जिसका पार नहीं।

देखा माता का ऐसा रक्तिम श्रृंगार नहीं।

कंठ-कंठ में गान उमड़ते माँ के वंदन के।

कंठ-कंठ में गान उमड़ते मां के अर्चन के।

शीश-शीश में भाव उमड़ते माँ पर अर्पण के।

प्राण-प्राण में भाव उमड़ते शोणित तर्पण के।

जीवन की धारा में देखी ऐसी धार नहीं।

सत्य अहिंसा का व्रत अपना कोई पाप नहीं।

विश्व मैत्री का व्रत भी कोई अभिशाप नहीं।

यही सत्य है सदा असत की टिकती चाप नहीं।

सावधान हिंसका !प्रतिहिंसा की कोई माप नहीं।

कोई भी प्रस्ताव पराजय का स्वीकार नहीं।

ऐसा है आवेश देश में जिसका पार नहीं।

क) उपरोक्त पद्यांश में किसके आवेश' का उल्लेख हुआ है?

(1) माता के

(ii) देश के

(iii) शत्रु के

(iv) इनमें से कोई नहीं

(ख) कवि के मतानुसार असत्य है

(1) स्थायी

(ii) व्रत

(iii) अभिशाप

(iv) अस्थायी

(ग) 'रक्ति श्रृंगार' का अर्थ है

(1) वीर सपूतों का रक्त बलिदान करना

(iii) शत्रु का खून बहाना I

(ii) रक्त बहाना

 iiiशत्रु का खून बहना

(iv) उपरोक्त में से कोई नहीं

(घ) 'शोणित तर्पण' का अर्थ है

(iv) उपरोक्त में से कोई नहीं

(1) खून बहाकर आक्रमणकारी के पितरों का श्राद्ध करना

(ii) शत्रु का शोषण करना

(iii) दुखी होकर श्राद्ध करना

(iv) वीर सपूतों का रक्त बलिदान करना

(ङ) पद्यांश में 'माता' का प्रतीक है-

(1) देवी की

(ii) विश्वमैत्री की

(iii) सत्य-अहिंसा की

(iv) राष्ट्र (देश) की

3 निम्नलिखित पठित गद्यांश पर आधारित बहुविकल्पी प्रश्नों के सर्वाधिक उपयुक्त उत्तर लिखिए।5

1।प्रेमचंद के फटे जूते कहानी में किसका वर्णन है?
A) प्रेमचंद की अमीरी का
B) प्रेमचंद के सादे जीवन का
C) प्रेमचंद की यात्रा का

D) इनमें से कोई नहीं

2 लेखक को प्रेमचंद की मुस्कान कैसी जान पड़ती है?

(a) प्रेम और वात्सल्य से भरी।

(c) अंहकार और दिखावे से भरी।

(b) विचित्र और व्यंग्य से भरी।

(d) गहरे विषाद और खिन्नता से भरी।

3. प्रेमचंद के फटे जूते' पाठ के लेखक कौन हैं?
A) प्रेमचंद
B) महादेवी वर्मा
C) हरिशंकर परसाई
D) जाबिर हुसैन

4प्रेमचंद के फटे जूते कहानी में किसका वर्णन है?
A) प्रेमचंद की अमीरी का
B) प्रेमचंद के सादे जीवन का
C) प्रेमचंद की यात्रा का
D) इनमें से कोई नहीं

5गोदान' उपन्यास का मुख्य पात्र कौन है?

(३) प्रेमचंद

(b) माधो

(c) लेखक

(d) होरी

4. निम्नलिखित पठित पठ्यांश पर आधारित

3. सुबह के समय सड़कों पर क्या छाया हुआ है?

(a) धुआँ

(b) अँधेरा

(c) कोहरा

(d) धूल

5 पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक से प्रश्न पूछे गए हैं, जिनके निर्धारित अंक प्रश्न के सामने अंकित हैं

(क) लेखक ने 'टीले' शब्द का प्रयोग किस भाव और परिस्थिति को व्यक्त करने के लिए किया है? 2

ख हरिशंकर प्रसाई ने प्रेमचंद का जो शब्दचित्र हमारे सामने प्रस्तुत किया है उससे प्रेमचंद के व्यक्तित्व की कौन - कौन सी विशेषताएँ उभर आती है?2

ग नीचे दिए गए पंक्तियों में निहित व्यंग को स्पष्ट कीजिए ।

1जूता हमेशा टोपी से कीमती रहा है अब तो जूते की कीमत और बढ़ गई है और एक जूते पर 25 टोपिया न्योछावर होती हैं।

॥ तुम पर्दे का महत्व नहीं जानते हम पर्दे पर कुर्बान हो रहे हैं

(घ) कवयित्री के हृदय में किससे मिलने की tadap उठती है और क्यों? 'वाख' कविता के आधार पर बताइए।

(2)

(ङ)किस घटना ने सलीम अली के जीवन की दिशा को बदल दिया और उन्हें पक्षी प्रेमी बना दिया

प्रश्न6 .निर्देशानुसार 'शब्द निर्माण' प्रश्नों के उत्तर दीजिए।

(क) 'दुर्भाग्य' शब्द में प्रयुक्त उपसर्ग तथा मूल शब्द लिखिए। (1)

(ख) 'परि' उपसर्ग से दो शब्द बनाइए। (1)

(ग) 'पुस्तकीय' शब्द में प्रयुक्त प्रत्यय तथा मूल शब्द लिखिए। (1)

(घ) 'त्व' प्रत्यय से दो शब्द बनाइए। (1

(ङ)शताब्दी' समस्त-पद का विग्रह कीजिए। (1)

च 'राजभवन' समस्त-पद में कौन-सा समास है

छ 'देश-विदेश' समस्त-पद में कौन-सा समास है? (1)

7 निर्देशानुसार अर्थ की दृष्टि से 'वाक्य भेद' पर आधारित पाँच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए।

(क) 'मैं बाज़ार नहीं जा रहा।' (आज्ञावाचक वाक्य में रूपांतरित कीजिए।) (1)

(ख) 'वाह! क्या बात है।' प्रस्तुत वाक्य का अर्थ के आधार पर भेद बताइए। (1)

(ग) प्रियतम बतला दे, लाल मेरा कहाँ है? पंक्ति में अलंकार बताइए। (1

(ग) 'हँसमुख हरियाली हिम आतप' रेखांकित काव्य पंक्ति में कौन-सा अलंकार है? (1)

((ङ)) 'इच्छित' शब्द में कौन-सा प्रत्यय है।

8निर्देशअनुसार समास के उत्तर लिखिए।

।. 'भारत-रत्न' सामासिक पद का विग्रह करके समास का भेद लिखिए। 1

3. 'जन्म से लेकर' का समस्त पद लिखिए।

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9निम्नलिखित तीन विषयों में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए।

(क) विज्ञापत्रों से घिरा हमारा जीवन

(ख) भृष्टाचार : समाज का सबसे बड़ा अभिशाप,वन (ग)और हमारा पर्यावरण

प्रश्न 10निम्नलिखित में से किसी एक विषय पर पत्र लिखिए।10

1खेल आयोजन की स्वीकृति हेतु प्रधानाचार्य को पत्र लिखिए

अथवा

2आपका मित्र बोर्ड की परीक्षा में अपने पूरे क्षेत्र में प्रथम आया है जिससे आपको बहुत अधिक प्रसन्नता हुई

और आप कठिन परिश्रम की महिमा को बताते हुए तथा उसे बधाई देते हुए लगभग 100 शब्दों में पत्र लिखिए।

11निम्नलिखित में से किसी एक विषय पर संवाद लेखन लिखिए।10

1. पहली बार मतदान करके लौटे विजय को अपने मित्र संजय से बात चीत का संवाद लेखन लिखिए।

2 मालिनी, सेविका और महारानी के बीच संवाद लेखन-

प्रयोगात्मक कार्य 20

SPECIMEN PAPER- 2 (2025-26)
CLASS IX - CBSE
SOCIAL SCIENCE
MARKS: 80.   TIME: 2 HRS

General Instructions:
1.There are 38 questions in the Question paper. All questions are compulsory.
2.The question paper has Four Sections - A-History, B-Geography, C-Political Science, and D-Economics.
3.Each Section is of 20 Marks and has MCQs, VSA, SA, LAs and CBQ.
4.Very Short Answer Type Questions (VSA), carry 2 marks each. Answers to each question should not exceed 40 words.
5.Short Answer Type Questions (SA), carry 3 marks each. Answers to each question should not exceed 60 words.
6.Long answer type questions (LA), carry 5 marks each. Answers to each question should not exceed 120 words.
7.There are case based questions (CBQ) with three sub questions and are of 4 marks each. Answers to each question should not exceed 100 words.
8.The map-based questions carry 5 marks with two parts- Q9. In Section A-History (2 marks) and Q19, in Section B -Geography (3 marks)
9.There is no overall choice in the question paper. However, an internal choice has been provided in a few questions. Only one of the choices in such questions must be attempted.

SECTION-A
HISTORY (20 marks)

Q1.What was the Bastille?
a) A palace
b) A church
c) A prison
d) A court

Q2.Which of the following was a major demand of workers during the 1905 Revolution in Russia?
a) Universal suffrage
b) Better working conditions and wages
c) Abolition of private property
d) Immediate withdrawal from all wars

Q3. Which of the following was the main aim of colonial forest policies in India?
a) Conservation of forests for local use
b) Maximising timber production for commercial needs

c) Protecting tribal rights
d) Promoting shifting cultivation

Q4. Which event is considered the immediate cause of the French Revolution?
a) Execution of the king
b) Rise of Napoleon
c) Storming of the Bastille
d) Reign of Terror

Q5- Write the terms coined by Nazis to describe their various practices? (2 marks)

Q6-(a) Mention any three discriminatory policies adopted by the Nazis against the Jews.(3 marks)

OR

(6b)Explain the impact of the Great Depression of 1929 on Germany.

Q7-(a) What was the Reign of Terror? Describe any four features of it.

Or

Describe the economic condition of France before 1789.
(Tax system, state debt, burden on Third Estate.)

Q8- During the colonial period, the British introduced scientific forestry in India. Large areas of forests were declared as Reserved and Protected forests. Forest officials strictly regulated grazing, shifting cultivation, and the collection of forest produce. These policies severely affected the lives of forest communities. (4 Marks)

Questions:
(i)What was meant by scientific forestry?
(ii)Name any one forest category created by the British.
(iii)Mention one restriction imposed on forest dwellers.
(iv)How did these policies affect the livelihood of forest communities?

Q9- On the outline map of Russia, locate and label:
a) St. Petersburg
b) Moscow

SECTION- B (20 Marks)
GEOGRAPHY
Q10. The tropic of Cancer does not pass through: (1)

A) Rajasthan
B) Chhattisgarh
C) Odisha
D) Tripura

Q11. Assertion (A) Tropical Deciduous forests shed their leaves for about six to eight weeks in dry summers.
Reason: They are found in areas having more than 200cm of rainfall.(1)
A) Both A and R are true and R is the correct explanation of A.
B) Both A and R are true but R is not the correct explanation of A.
C) A is true but R is false.
D) A is false but R is true.

Q12. Mountain ranges in the eastern part of India forming its boundary with Myanmar are collectively called:(1)
A) Himachal
B) Purvachal
C) Uttarakhand
D) None of these

Q13. Which of the following rivers flow through a trough:(1)
A) Narmada & Tapi
B) Krishna & Godavari
C) Ganga & Yamuna
D) Chambal & Betwa

Q14. The winds blowing in West Bengal in the summer season is:(1)
A) Loo
B) Kal baisakhi
C) Norwester
D) Mango Shower

Q15. Which of the following is not a process of population Change/Growth:(1)
A) Birth rate
B) Death rate
C) Migration
D) Age composition

Q16. Distinguish between Bhangar and Khadar soils.(2)
Q17. Mention the significant features of the National Population Policy 2000. (5)

Q18. Study the passage and answer the questions that follow:

The most significant feature of the Indian population is the size of its adolescent population. It constitutes 1/5th of the total population of India. Adolescents are generally grouped in the age of 10 to 19 years. They are the most important resources for the future. Nutrition requirements of adolescents are higher than those of a normal child or adult. Poor nutrition can lead to deficiency and stunted growth. But in India the diet available to adolescents is inadequate in all nutrients. A large number of adolescent girls suffer from anemia. The problems have so far not received adequate attention in the process of development awareness among them can be improved through the spread of literacy and education.

19A) What makes adolescents the most important resource for the future? (1)

19B) Do you think that India needs to pay adequate attention to the nutrition requirements of adolescents? Why? (2)

19C) Suggest two ways to solve the problems of adolescents, especially girls.(1)

Q20. On the map of India provided to you mark any three of the following:(3)
   A) **Malabar coast**
   B) **Aravali range**
   C) **Karakoram range**
   D) **State of Tamilnadu**
   E) **Shade an area of Thorn and scrub forests.**

   SECTION C
   POLITICAL SCIENCE (20)

 Q-20- Which of the following conditions is not necessary for a democratic election? (1)
A. Regular elections
B. Real choice between political alternatives
C. High voter turnout
D. Universal adult franchise

Q-21-The system of reserving constituencies for SCs and STs is meant to:(1)
A. Increase the population of SC/ST
B. Ensure equal representation
C. Promote political competition
D. Support ruling party

Q-22-Which Fundamental Right is violated if a child is forced to work in a factory?(1)
A. Right to Freedom
B. Right against Exploitation
C. Right to Religion
D. Right to expression

Q-23-Which situation in South Africa led to the need for a new Constitution?(1)
A. Economic crisis
B. End of apartheid
C. Military rule
D. Civil war

Q-24- What is a Constitution? State any three functions of a Constitution. (3marks)

Q-25- Explain the role of the Prime Minister and the Council of Ministers in the working of the government. (3 marks)

Q-26- Why is the Right to Education considered important in a democracy? Give three reasons.

                        Or

State any three rights provided under the Right to Freedom of Religion. (3 marks)

Q-27- (a) Explain the need and importance of elections in a democracy. (3 marks)

                        Or

 (b)"Democracy is a better form of government than others." Justify this statement with arguments.

 Q28- Read the passage and answer the questions that follow:
In a democratic country like India, elections are held regularly to choose representatives. The Election Commission announces the election schedule, prepares voters' lists, allotted symbols to political parties, and ensures that elections are conducted freely and fairly. During elections, political parties campaign to inform voters about their policies. However, sometimes malpractices like bribery, misuse of government machinery, and muscle power are reported. To prevent this, the Election Commission enforces the Model Code of Conduct.

28.a) Why are regular elections necessary in a democracy?(1)
28.b) Explain any two functions of the Election Commission.(1)
28.c) What is the Model Code of Conduct?(1)
28.d) Mention any two challenges to free and fair elections.(1)

       SECTION -D (20)
          ECONOMICS

29. What is the situation called when there is a surplus of manpower in certain categories and shortage of manpower
in other categories.
[1]

a) Paradoxical manpower situation

b) Market activity

c) Non market activity

d) Seasonal unemployment

30. Tejpal Singh works as a peasant in the village. His income from agricultural production is very less. The money is not enough to sustain his family of six-that includes his wife and four children. His wife- Savita is unemployed and wishes to work to earn extra income. Recently, a new scheme has been launched in the village. Under the scheme, one-third of the proposed jobs have been reserved for women. This scheme helped Savita to get the job in the village.

Name the scheme which helped Savita to get a job.

[1]

a) Pradhan Mantri Gramodaya Yozana

b) Mahatma Gandhi National Rural Employment Guarantee Act.

c) Swarnajayanti Gram Swarozgar Yojana

d) Antyodaya Anna Yozana

31. Which of the following programmes has been launched by the government to adopt the principle of targeting the poor in all areas?[1]

a) TPDS.   b) TNFW

c) TAAY.   d) TAPS

32.The poverty ratio declined between 1993–94 and 2004–05, yet the number of poor remains at about _____.

a) 355 million b) 404 million

c) 270 million d) 407 million

33. What is RPDS?[1]

a) Renewed Private Distribution System

b) Rural Public Distribution System

c) Revamped Public Distribution System

d) Renewed Public Distribution System

34.Identify the type of unemployment with the help of given clues:

In this kind of unemployment, people appear to be employed. This usually happens among family members engaged in agricultural activity. The work requires the service of five people but engages eight people. Three people are extra. The contribution made by the three extra people does not add to the contribution made by the five people. If three people are removed the productivity of the field will not decline.

[1]

a) Seasonal unemployment

b) Agricultural unemployment

c) Disguised unemployment.

 d) Rural unemployment

35.How were the income disparities responsible for the increase in poverty in India?[3]

36.What is Issue Price?[3]

37. What challenges do you think India faces in years to come?[3]

38. Explain any five benefits of investment in human capital formation.[5]

OR

What are the major factors for unemployment in India?