



WINTER VACATION

ASSIGNMENT

SESSION: 2025-2026

HIGH WING

**HAVE A GREAT
WINTER BREAK**





Winter Vacation Assignments High Wing (2025-26)

“Winter wonder awaits! A break full of fun and learning.”

DEAR STUDENTS

The winter holidays are approaching. This period offers an ideal opportunity to relax, rejuvenate, and return to school prepared to give your best. Your abundant energy should be directed toward activities that enhance observation, confidence, and enthusiasm for learning.

To maintain academic engagement during the break, we have prepared a ***Practice Sample Paper***. This resource will assist you in revising the topics covered thus far and in building confidence for the forthcoming assessments.

SUBMISSION GUIDELINES

You are required to submit your completed assignment on the designated date. Late submissions will not be accepted. Your work will be evaluated on neatness, creativity, and originality, and the marks obtained will be incorporated into your internal assessment.

Parents are kindly requested to guide their children while they complete the assignment, ensuring that the work remains the student's own.



A FEW TIPS TO FOLLOW :-

- Allocate extra time each day for practicing problems, especially in subjects you find challenging.
- Cultivate a habit of reading advanced texts, journals, or literature to broaden knowledge.
- Divide your schedule wisely between study sessions and recreational activities, ensuring sufficient rest.
- Review the entire syllabus, giving particular attention to weak subjects and seeking help from teachers or peers as needed.
- Use the winter break to consolidate what you have learned and draft a study plan for the upcoming term.



As per Govt. Order No. 458-DSEJ OF 2025, dated 13-12-2025, for winter vacation, our school will observe Winter Break of CLASS 9TH & 10TH w.e.f.

29-12-2025 to 10-1-2026. Regular classwork will commence from 12-1-2026. Kindly ensure that the homework is submitted to the class teacher by the mentioned submission date, i.e.,

10-01-2026

TIME :- 9:00 AM TO 10:00 AM

ENTRY :- GATE NO. 5

Note:- The office will remain open from 9:00 a.m. to 2:00 p.m. for all working days during the winter break.

WISHING YOU AND YOUR FAMILY A VERY HAPPY AND PROSPEROUS NEW YEAR.



**REGARDS
ADMINISTRATOR**



WINTER VACATION WORK

(2025-26)

SUBJECT: ENGLISH

(80 Marks)

GENERAL INSTRUCTIONS;

1. All questions are compulsory.
2. Write neat and clean.
3. Do not write anything on your question paper except your Roll No., Date, Day and Section.

(SECTION-A)

READING COMPREHENSION

(15 MARKS)

Q1. Read the following extract from the poem and answer the questions given at the end: **(5 Marks)**

When will the bell ring, and end this weariness?
How long have they tugged the leash, and strained apart
My pack of unruly hounds! I cannot start
Them again on a quarry of knowledge they hate to hunt,
I can haul them and urge them no more.
No longer now can I endure the brunt
Of the books that lie out on the desks; a full threescore
Of several work that they have offered me.
I am sick, and what on earth is the good of it all?
What good to them or to me, I cannot see
So shall I take
My last dear fuel of life of heap on my soul
And kindle my will to a flame that shall consume
Their dross of indifference, and take the toll of their
Insults in punishments? – I will not.....

- a) What is the tone in the opening lines of the poem?
- b) What are the pupils regarded as?
- c) Why has the teacher failed to 'haul them and urge them' anymore?
- d) Identify the metaphor used in the poem.
- e) Give the antonym of 'weariness.'

Q2. Read the passage carefully and answer the questions following the passage: **(5 Marks)**

Many of us believe that 'small' means 'insignificant'. We believe that small actions and choices do not have much impact on our lives. We think that it is only the big things, the big actions and the big decisions that really count. But when you look at the lives of all great people, you will see that they built their character through small decisions, small choices and small actions that they performed every day. They transformed their lives through step-by-step or day-by-day approaches.

They nurtured and nourished their good habits and chipped away their bad habits, one by one. It was their small day-to-day decisions that added up to make tremendous difference in the long run. Indeed, in matters of personal growth and character building, there is no such thing as an overnight success.

Growth always occurs through a sequential series of stages. There is an organic process to growth. When we look at children growing up, we can see this process at work: the child first learns to crawl, then to stand and walk and then finally to run. The same is true in the natural world. The soil must first be tilled and then the seed must be sown. Next, it must be nurtured with enough water and sunlight and only then will it grow into trees laden with ripe fruits. Gandhi understood this organic process and used this universal law of nature to his benefit.

GANDHI GREW IN SMALL WAYS, in his day-to-day affairs. He did not wake up one day and find himself to be the 'Mahatma'. In fact, there was nothing much in his early life that showed signs of greatness. But from his mid-twenties onwards, he deliberately and consistently attempted to change himself, reformed himself and grew in some small ways every day.

Based on your understanding of the above passage, answer the questions given below by choosing the appropriate option:

- i. The main idea in the first paragraph is that:
 - a. Big things, big actions and big decisions make a person great.
 - b. Small actions and decisions are important in one's life.
 - c. Overnight success is possible for all of us.
 - d. Personal changes are not important.
- ii. What does the writer mean by saying 'chipped away at their bad habits'?
 - a. Steadily gave up bad habits.
 - b. Slowly produced bad habits.
 - c. Gradually criticized bad habits.
 - d. Did not like bad habits.
- iii. Which of the following statements is true in the context of the third paragraph?
 - a. Gandhi became great overnight.
 - b. Gandhi showed signs of greatness in childhood itself.
 - c. Every day Gandhi made efforts to change himself in some small ways.
 - d. Gandhi never made mistakes.
- iv. What is done by great people to transform their lives?
 - a. They approach life on a day-to-day basis.
 - b. They build character in small ways.
 - c. They believe in performing every day.
 - d. All of these.
- v. How can we grow in small ways?
 - a. By getting disheartened.
 - b. By dreaming little.
 - c. By taking small steps one at a time.
 - d. None of these.

Q3. Study the following poster/prompt and answer the following questions: (5 Marks)

Common Sense Demands Clean Teeth



Your health as well as your appearance depends on keeping your teeth clean and sound.

Ribbon Dental Cream is a great help in thus keeping the teeth in good condition.

Thorough, cleansing and polishing effectively—
Safe, free from harmful grit—
Antiseptic, checking decay-germs—
Wholesome, correcting acid-mouth—
Delicious, the flavor makes its use a treat—
Convenient, "comes out a ribbon, lies flat on the brush."

Trial tube (formerly 4c.) will now be sent for 2c stamps, in ever packing and mailing cost.
Our instructive booklet "Oral Hygiene" free

COLGATE & CO., Dept. Y, 199 Fulton St., New York City
Makers of Cushmere Bouquet Soap—luxurious, lasting, refined.

Confining to the prompt above, pick out the correct choice in each of the following questions:

- i. You can become good looking by
 - a. Taking nutritious diet
 - b. Going regularly for a morning walk
 - c. Taking an adequate quantity of calcium
 - d. Maintaining a good oral hygiene
- ii. One of the safety measures to avoid the tooth decay is
 - a. to avoid excess of sugar intake
 - b. to use neem paste
 - c. to avoid soft drinks
 - d. to save your teeth from the harmful grit
- iii. The above advertisement emphasizes that your tooth paste should be

- a. soft and white
- b. affordable
- c. the product of a reputed company
- d. antiseptic
- iv. The company gives a free offer of
 - a. a Cashmere Bouquet Soap
 - b. packing charges
 - c. mailing charges
 - d. booklet on oral hygiene
- v. Colgate & Co. is said to be situated at
 - a. New York City
 - b. U.S.A.
 - c. Fulton Street
 - d. None of the above

(SECTION-B)

(GRAMMAR)

(10 MARKS)

Q4. Concentrate on the verbs in bold letter, and replace them with appropriate verbs : ($1/2 \times 6 = 3$)
 Last weekend, I **decide** to attend a spontaneous concert in the park. The music was filling the air, and people **had danced** freely. I **choose** to join the celebration and could experience pure joy in the moment. As the night has **come to** an end, I **become** a part of the lively atmosphere. I **am** very happy.

Q5. Do as directed (Narration). (3marks)

The teacher said to the boy, "Do you think that honesty is the best policy?" The boy said, "Yes, sir, I think so." "Then learn to be honest from your boyhood," said the teacher. "Thank you, sir," said the boy. "May Allah grant you a long life," said the teacher to the boy.

Q6. The following passage has not been edited. There is one error in each of the lines. Write the incorrect word and the correction in the space provided: ($1/2 \times 8 = 4$ marks)

Community service sensitise people to

(a) [Error: _____; Correction: _____;]

Other's needs and supports inclusive

(b) [Error: _____; Correction: _____;]

Development to the underprivileged

(c) [Error: _____; Correction: _____;]

Sections with society; Courses about social

(d) [Error: _____; Correction: _____;]

Work prepares frontline workers to

(e) [Error: _____; Correction: _____;]

Takes up assignments in social welfare

(f) [Error: _____; Correction: _____;]

Organizations; Practical work including

(g) [Error: _____; Correction: _____;]

50 hour of structured internship to man projects.

(h) [Error: _____; Correction: _____;]

(SECTION-C)

(WRITING SKILLS)

(25 MARKS)

Q7. Complete the following dialogue appropriately: ($1/2 \times 8 = 4$)

In a bustling coffee shop, Laibah and Tazain meet after a long time. They find a cozy corner to catch up.

Laibah: Hey, Tazain! It's been ages since we last saw each other. How have you been?

Tazain: Hi, Laibah! I've been _____ (1. feeling) _____ great. How about you?

Laibah: I'm doing well too. _____ (2. Recently) _____, I started a new job, and it's

been keeping me busy.

Tazain: That's fantastic! Congratulations! What _____ (3. type) _____ of job is it?

Laibah: Thanks! I'm working as a _____ (4. content) _____ writer for a digital marketing agency.

Tazain: Wow, that sounds interesting. Tell me more about it.

Q8. You are the Head Boy/Head Girl of Tyndale Biscoe and Mallinson Girls School, Sheikh Bagh, Srinagar. The Principal of your school handed you the following letter from Prestige High School and asked you to draft a notice to be put up on the school notice board. Taking notes from the letter below, draft a notice, inviting the students of your school for a debate competition. Put the notice in a box. (In 50 words). **(3 Marks)**

The Principal
Prestige High School, Hyderpora, Kashmir
2nd March, 2024

The principal
Tyndale Biscoe and Mallinson Girls School
Sheikh Bagh, Srinagar

Subject: Invitation for Tyndale Biscoe and Mallinson Girls School to Participate in Inter-School Debate Competition

Dear Sir/Madam,

I hope this letter finds you well. My name is Mr Zaffar Khan, and I am extending an invitation for students from Tyndale Biscoe and Mallinson Girls School to participate in our Inter-School Debate.

Event Details:

Date: 15th March, 2024

Time: 11:00 AM

Venue: School Auditorium

The theme for this year's debate: Should the world's uneven concentration of wealth be a matter of concern. We believe participation will enrich the discussions and showcase the oratory skills of your students. To confirm participation, kindly submit the names of participating students by the 10th of March, 2024. We look forward to welcoming Tyndale Biscoe and Mallinson Girls School and fostering a spirit of healthy competition.

Sincerely,

Mr Zaffer Khan

Principal, Prestige High school

Q9. Read the following notes from the notepad of Mrs Naira Khan, the Principal of Bright Career School, Rajbagh, Srinagar. She asks her assistant, Mr Aasif to draft a message on her behalf for Ms Farhat, the Vice-Principal of the school. Using the information from the notepad, complete the following message, in not more than 50 words. Put the message in a box. (2 Marks)

For Ms Farhat

Request – attend an urgent meeting

Meeting in my office – 10 a.m. – today

Agenda: introduction of three new subjects – Humanities Stream- Class XI: Geography, Sociology, and Psychology

Members of Governing Board arriving for discussion

Appointment of teachers

Inform – catering section – send tea and snacks – 11 a.m

Q10. You are Ayera/ Aamir, resident of Gulshan Nagar, Nowgam. You have a dilapidated drainage system in your area. Write a letter to the Editor Rising Kashmir, informing him to incorporate the matter in one of his newspaper columns. (5 Marks)

OR

Write a letter to your brother who is studying abroad. Advise him not to allow western culture to take on your cultural heredity.

Q11. Read the following notes and develop a speech on "Juvenile Delinquency", (80-100 words).
(5 Marks)

Notes:

- Key factors: family issues, peer pressure, and socio-economic challenges.
- Impact: Discuss short and long-term consequences for individuals and society.
- Prevention: Emphasize early intervention, community support, and educational programs.
- Conclusion: Call to Action: Encourage community involvement and positive alternatives for youth.
- Closing: Express optimism for positive change and thank the audience for their commitment.

OR

Using the notes below, write an article on 'Artificial intelligence': (80-100 words).

AI Definition

- Machines mimicking human intelligence

Types:

- Narrow AI (specific tasks)
- General AI (human-like intelligence)

Applications:

- Health care, Finance, Education, Autonomous vehicles
- Understand and generate language

Future Trends:

- AI in creativity, ML advancements

Challenges:

- Job displacement, Ethical development

Q12. Follow the beginning of a story below. Construct a plot to complete the story with a suitable title:
(6 Marks)

In the forgotten corners of an antique shop, Zainab discovered an old locket with a tiny, ornate key. When she turned it, a hidden compartment opened, revealing a miniature garden inside. Unbeknownst to Zainab, this enchanted locket held the key to a realm of miniature wonders and magical creatures.

(SECTION-D)

(LITERATURE)

(30 MARKS)

Q13. Do any three of the following questions: (3×3=9)

- What makes Mrs Bennet an ambitious woman?
- How does Anne change Mr Keesing's analogy that only a strict disciplinarian can become a good teacher?
- How does Mandela's concept of freedom change with age and experience?
- How does the story of Kisa Gotami reflect that 'death is invincible'?
- Why does Antonio show a lot of contempt for Shylock?

Q14. Do any three from the following questions: (3×3=9)

i. Identify the poetic device/s from the following lines and also write down the name of the poem and the poet.

How many loved your moments of glad grace,
And loved your beauty with love false or true,
But one man loved the pilgrim soul in you,
And loved the sorrows of your changing face;

ii. Discuss mother-daughter relationship as described in the poem 'My Mother At Sixty Six.

iii. Explain the following line using the Idea of the poet and also write down the name of the poem and poet.

The whole referring, yet each distinct and in its place.

IV. In the following lines 'life conquers death' maxim has been reflected. Elaborate.

She, too, pursues her ends,

Brutal as the stars of this month,

Her pale head is heavy as metal.

v. How has the picture of the Pirate been portrayed in the following lines?

Pistol in his left hand, pistol in his right,

And he held in his teeth a cutlass bright,

His beard was black, one leg was wood;

It was clear that the pirate meant no good

Q15. Answer any one of the following questions: (1×6=6)

i. The story 'The Servant' has highlighted the humility of Gerasim. Explain how?

ii. What are the major themes of the story 'Abhiley'?

iii. Bring out the elements of humour in the short story "Abhiley".

Q16. Answer any one of the following question: (1×6=6)

i. How can we say that Natalya was continuously successful in maintaining an upper hand during her argument with Lomov?

ii. Discuss the play 'The Proposal' as a farce.

विषय: हिंदी

समय: 3 घंटे

सामान्य निर्देश :

1. सभी प्रश्नों के उत्तर लिखना अनिवार्य है।

2. प्रश्न-पत्र पर अनक्रमांक के अतिरिक्त कुछ भी लिखना मना है।

खड़ - क

प्रश्न 1 निम्नलिखित अपठित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखें-

(5×2=10)

छत्रपति शिवाजी मराठा हिंदू जाति के महान नायक के साथ-साथ एक महान व्यक्ति और योद्धा भी थे। शिवाजी का उत्थान भारतीय इतिहास में ही नहीं, बल्कि पूरे विश्व के इतिहास में एक विशेष स्थान रखता है। उनके जीवन का उद्देश्य अपने देश को विदेशी अत्याचारों से मुक्त करना था, न कि लूटमार की इच्छा। उन्होंने हिंदुओं के मान - सम्मान को जगाने के लिए युद्ध लड़े।

क- उपयुक्त गद्यांश का उचित शीर्षक लिखिए।

ख- गद्यांश का एक - तिहाई सार लिखें।

ग- शिवाजी ने युद्ध क्यों लड़े?

घ- "उत्थान" का विलोम शब्द क्या है।

ङ- छत्रपति शिवाजी के जीवन का उद्देश्य क्या था?

खड़- ख

प्रश्न-2 निर्देशानुसार करें-

क- मुहावरों के अर्थ लिखकर वाक्य बनाएं- (2)

i) आंखें चुराना।

ii) गांठ बांधना।

ख- दो-दो पर्यायवाची शब्द लिखें- (2)

i) आकाश

ii) पक्षी

ग- अनेक शब्दों के लिए एक शब्द लिखे -

i) जिसका अंत न हो।

ii) जहां पहुंचना कठिन हो।

प्रश्न-3 क-संधि-विच्छेद कीजिए- (2)

i) वागीश ii) मनोरथ

ख- समस्त शब्द का विग्रह करके समास का नाम लिखें- (2)

i) नवरत्न ii) सेनापति

ग- संज्ञा से भाववाचक संज्ञा बनाइए- (2)

i) कवि ii) पंडित

घ- विलोम शब्द लिखें- (1)

i) अंधकार ii) अपमान

प्रश्न-4 क) निम्नलिखित पदों में अलंकार का नाम लिखें:- (2)

i) तरनि तनूजा - तट तमाल तरुवर बहु छात्रे

ii) चरण कमल बंदों हरि राई।

ख) निम्नलिखित वाक्यों में रेखांकित पदबंध का नाम लिखिए- (2)

i) शेर की तरह दहाड़ने वाले तुम क्या कांप क्यों रहे हो।

ii) विद्यार्थी पढ़कर सो गए।

प्रश्न-5 क- दो दो अनेकार्थी शब्द लिखें- (2)

i) अरुण ii) कर

ख- निम्नलिखित पदों में अलंकार का नाम बताएं- (2)

i) जो रहीम उत्तम प्रकृति, का करि सकत कुसंग
चंदन विष व्यापै नहीं, लिपटे रहत भुजंग।।

ii) रघु कुल रीत सदा चली आई
प्राण जायं पर वचन न जाई।

प्रश्न-6 विशेषण की परिभाषा तथा भेदों के नाम लिखें? (2)

खंड-ग

प्रश्न-7 निम्नलिखित काव्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखें- (4x1=4)

उच्च वर्ग की प्रिया अंग्रेजी

हिंदी जन की बोली है

वर्ग-भेद को खत्म करेगी

हिंदी वह हमजोली है

सागर में मिलती धाराएं,

हिंदी सबकी संगम है

शब्द, नाद, लिपि से भी आगे

एक भरोसा अनुपम है

गंगा, कावेरी की धारा

साथ मिलाती हिंदी है

पूरब - पश्चिम

कमल - पंखुरी सेतु बनाती हिंदी है।

क- उच्च वर्ग की प्रिय भाषा कौन सी है?

ख-'कमल - पंखुरी सेतु' बनाने का कार्य कौन सी भाषा करती है?

ग- हिंदी समाज के किसी भेद-भाव को समाप्त करती है?

घ- हिंदी किन की धाराओं को एक साथ मिलाती है?

प्रश्न-8 निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखें- (4x1=4)

सतरहवीं शताब्दी में बसोहली का राजा कृपाल पाल का राज्य था। वह कला-प्रेमी तथा कला का संरक्षक था उसके प्रसिद्ध दरबारी चित्रकार देवदास ने बहुत से अनुपम चित्र बनाए। उसने 'रसमंजरी' नामक विश्वविख्यात चित्रावली चित्रित करके राजा कृपालपाल को भेंट की थी। यह काल बसोहली चित्रकला का स्वर्णिम काल था।

क- सतरहवीं शताब्दी में बसोहली पर किस राजा का राज्य था?

ख- बसोहली राजा के दरबारी चित्रकार का क्या नाम था?

ग- बसोहली चित्रकला का कौन सा काल स्वर्णिम काल था?

घ- बसोहली राजा के दरबारी चित्रकार ने कौन सी विश्वविख्यात चित्रावली चित्रित की?

प्रश्न-9 क) निम्नलिखित प्रश्नों के उत्तर लिखें- (2x2=4)

क- "पेट - पीठ दोनों मिलकर हैं एक" कहने से कवि का क्या आशय है?

ख- कवि ने कविता का शीर्षक "मानवता" क्यों रखा है?

ख) निम्नलिखित प्रश्नों के उत्तर लिखिए- (2x2=4)

क- बड़े भाई साहब के अनुसार जीवन की समझ कैसे आती है?

ख- हरिहर काका को महंत और अपने भाई एक ही श्रेणी के क्यों लगाते हैं?

प्रश्न-10 क) कहानी और उपन्यास में अंतर लिखिए। (3)

ख) प्रेममार्गी शाखा की तीन विशेषताएं लिखें।(3)

ग) जीवनी नामक विषय पर एक लघु लेख लिखें। (2)

खंड-घ

प्रश्न-11 निम्नलिखित में से किसी एक विषय पर निबंध लिखें- (8)

विद्यार्थी और अनुशासन

अथवा

विज्ञान वरदान है या अभिशाप

प्रश्न-12 अपने विद्यालय के प्रधानाचार्य जी को प्रमाण पत्र लेने के लिए आवेदन पत्र लिखिए।

अथवा

आपकी बहन परीक्षा में असफल हो गई है। उसे सांत्वना देने के लिए पत्र लिखिए।

प्रश्न-13 वस्तुनिष्ठ प्रश्नों के उत्तर लिखिए- (10x1=10)

क- कबीरदास जी के गुरु का नाम क्या था?

ख- बिहारी का जन्म कब और कहां हुआ?

ग- जम्मू के प्रथम हिंदी कवि का पूरा नाम क्या था?

घ- जयशंकर प्रसाद के प्रसिद्ध महाकाव्य का क्या नाम है?

ङ- 'शक्ति की महिमा' कविता के कवि का क्या नाम है?

च- मैथिलीशरण गुप्त आरंभ में किस भाषा में लिखते थे?

छ- सुमित्रानंदन पंत की दो प्रमुख कृतियों के नाम लिखें?

ज- महादेवी वर्मा की दो प्रमुख गद्य रचनाओं के नाम लिखें?

झ- सूर्यकांत त्रिपाठी निराला की पुत्री का क्या नाम था?

ञ- गिरिजाकुमार माथुर ने किस विषय में एम० ए० की?

GENERAL INSTRUCTIONS

1. This question paper consists of four sections – A, B, C and D.
2. Section A: Q1 to Q20 1 mark each.
3. Section B: Q21 to Q26 2 marks each.
4. Section C: Q27 to Q34 3 marks each.
5. Section D: Q35 to Q40 4 marks each.

SECTION A

Objective Type Questions:

(20×1=20)

- Q1. H.C.F of 11 and 132 is
(a) 13 (b) 132 (c) 11 (d) None of these
- Q2. The exponent of 2 in the prime factorisation of 884 is
(a) 1 (b) 2 (c) 3 (d) None of these
- Q3. The Zeroes of x^2-2x-8 are
(a) (2,-4) (b) (4,-2) (c) (-2,-2) (d) None of these
- Q4. The degree of the polynomial x^4-x^2+2 is _____.
- Q5. The pairs of equations $x+2y-5=0$ and $-4x-8y+20=0$ have
(a) Unique sol.
(b) Exactly two sol.
(c) Infinitely many sol.
(d) None of these
- Q6. Distance of point (-6, 6) from origin is _____.
- Q7. The angle between tangent at a point on a circle and the radius through the point is ____.
- Q8. $9\tan^2A - 9\sec^2A =$ _____.
- Q9. Total surface area of Hemisphere = _____
- Q10. Define Angle of Elevation.
- Q11. In an Arithmetic Progression, if $a=28$, $d= -4$, $n=7$, then a_n is _____
- Q12. Area of sector of a circle = _____.
- Q13. The mid-point of the line segment joining the points P (x_1, y_1) and Q(x_2, y_2) = _____.
- Q14. The roots of the equation $7x^2+x-1=0$ are
(a) Real and distinct (b) real and equal
(c) Not real (d) none of these
- Q15. State Thales theorem.
- Q16. All circles are _____ (congruent/similar).
- Q17. The mode and mean is given by 7 and 8, respectively.
Then the median = _____.
- Q18. The value of $\sin\theta$ increases as θ decreases. (True/False)
- Q19. 30th term of the A.P: 10, 7, 4 ... = _____.
- Q20. Probability of an event 'E' + Probability of the event 'not E' = _____.

SECTION-B

(6×2=12)

- Q21. Find the total surface area of cylinder whose radius is 7 cm and height is 4 cm respectively .
- Q22. Find a quadratic polynomial, the sum and product of whose zeroes are -3 and 2, respectively.
- Q23. Given $15 \cot A = 8$, find $\sin A$ and $\sec A$.
- Q24. Find the area of quadrant of a circle whose circumference is 22cm.

Q25. If $P(E) = 0.05$, what is the probability of 'not E'.

Q26. If mean = 4 and median = 7, find mode.

SECTION-C

(8×3=24)

Q27. Explain why $78 \times 11 \times 13 + 13$ and $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 + 5$ are composite numbers.

Q28. Find the 31st term of an AP whose 11th term is 38 and the 16th term is 73?

Q29. Solve $2x + 3y = 11$ and $2x - 4y = -24$ and hence find the value of 'm' for which $y = mx + 3$.

Q30. In a circle of radius 21 cm, an arc subtends an angle of 60° at the centre. Find:

(a) The length of the arc

(b) Area of sector formed by the arc

(c) Area of segment formed by the corresponding chord.

Q31. Express the trigonometric ratios $\sin A$, $\sec A$ and $\tan A$ in terms of $\cot A$.

Q32. The length of a tangent from a point A at distance 5cm from the centre of the circle is 4cm. Find the radius of the circle.

Q33. 2 cubes each of volume 64 cm^3 are joined end to end. Find the surface area of the resulting cuboid

Q34. Find the ratio in which the line segment joining the points (-3, 10) and (6, -8) is divided by (-1, 6).

SECTION-D

(6×4=24)

Q35. If we add 1 to the numerator and subtract 1 from the denominator, a fraction reduces to 1. It becomes $\frac{1}{2}$ if we only add 1 to the denominator. What is the fraction?

OR

Is it possible to design a rectangular mango grove whose length is twice its breadth, and the area is 800 m^2 ? If so, find its length and breadth.

Q36. The angle of elevation of the top of a building from the foot of a tower is 30° and the angle of elevation of the top of the tower from the foot of the building is 60° . If the tower is 50 m high, find the height of the building.

OR

From the top of a 7 m high building, the angle of elevation of the top of a cable tower is 60° and the angle of depression of its foot is 45° . Determine the height of the tower.

Q37. Prove that opposite sides of a quadrilateral circumscribing a circle subtend supplementary angles at the centre of the circle.

Q38. A solid consisting of a right circular cone of height 120 cm and radius 60 cm

standing on a hemisphere of radius 60 cm is placed upright in a right circular cylinder full of water such that it touches the bottom. Find the volume of water left in the cylinder, if the radius of the cylinder is 60 cm and its height is 180cm.

Q39. The given distribution shows the number of runs scored by some top batsmen of the world in one-day international cricket matches.

Runs scored	Number of batsmen
3000 - 4000	4
4000 - 5000	18
5000 - 6000	9
6000 - 7000	7
7000 - 8000	6
8000 - 9000	3
9000 - 10000	1
10000 - 11000	1

Find the mode of the data.

Q40. Sides AB and AC and median AD of a triangle ABC are respectively proportional to sides PQ and PR and median PM of another triangle PQR.

Show that $\triangle(ABC) \sim \triangle(PQR)$

SUBJECT: S.St

Time: 3 hours

GENERAL INSTRUCTIONS :

1) The Question Paper Comprises of four Sections - A, B, C and D. There are 36 Questions Paper. All questions are compulsory.

2) Section A - 1 to 20 questions are Objectives type of 1 Mark each

3) Section B - 21 to 30 are Short Answer type questions carrying 3 marks each. Answer to each question should be between 40-60 words.

NOTE: Question 27 is CASE BASED

4) Section C - 31 to 35 are Long Answer Type Questions carrying 5 marks each. Answer to each question should be between 100-120 words.

NOTE: Question no. 35 is an Extract .

5) Section D - Question no. 36 is Map Based carrying 5 marks with two parts 36 (a) from Geography (3 marks) and 36 (b) from political Section (2 marks)

SECTION : A (OBJECTIVES)

1. Napoleonic Code was introduced in the year _____

A) 1804 (B) 1805 (C) 1806

2. _____ was the Literary journal of Cultural Congress.

3. When was the Dogra heredity position abolished?

A) 1951 (B) 1952 (C) 1954

4. Which person is known as the "Frontier Gandhi"?

A) Feroz khan (B) S.C. Bose (C) Khan Abdul Gaffar khan

5. Tea plantation is an example of _____ agriculture.

6. Basically Tunnel was constructed in 1960. (True/ False)

7. _____ crop is known as golden fibre.

8. Which of the following minerals industries uses Bauxite as a raw mineral?

A) Aluminum Smelting (B) Cement (C) Paper

9. The Jammu and Kashmir Reorganisation Act 2019 came into effect on _____

10. Tourism comes under _____ Sector.

11. Hari Parbat is situated in _____.

A) Budgam (B) Srinagar (C) Anantnag

12. Handicraft and _____ industry have traditionally been the backbone of Kashmir economy.

13. Identify the Rabi crop....

A) Gram (B) Rice (C) Millets

14. The working period for Assembly in J&K shall be now only _____ (5 years/ 6 Years / 8 years)

15. NDMA stands for _____.

16. Which of the following energy sources is non- conventional one?

A) Coal (B) Solar (C) Firewood

17. A kit containing some medicine, bandage, dressing etc. for immediate treatment is called _____.

18. Political Party that runs government st particular point of time is technically called as _____.

19. Earthquake is a _____ disaster.

A) Natural

(B) Human - induced

(C) Both (a) and (b)

20. _____ was appointed as Education Minister under Bakshi Government.

SECTION - B

SHORT ANSWER TYPE QUESTIONS (40- 60) words:

21. Explain the causes of Great Depression.

22. Why do we need to conserve Minerals?

23. What is meant by the idea of Satyagrah?

24. Why did industrial production in India increase during the First World War?

25. What is meant by Proto - Industrialisation?

26. Difference between Conventional and Non - Conventional Sources of Energy.

27. CASE BASED QUESTIONS:

Political parties are the cornerstone of any vibrant democracy, providing structure and representation for citizens' voices. In a democratic system, these parties serve as conduits connecting the government and the governed, facilitating participation, representation, and accountability.

Political parties offer choices to voters, representing various ideologies, interests, and visions for the nation. They play an essential role in shaping government policies, legislating, and holding those in power accountable.

While political parties are critical to democracy, they also face challenges, including issues of transparency, internal democracy, and the influence of money in politics. However, their role in forging compromise, building consensus, and promoting civic engagement remains indispensable.

In essence, political parties are the lifeblood of a thriving democracy, channeling the diverse voices and aspirations of the people into effective governance. They are essential to maintaining the democratic ideals of representation, freedom, and accountability.

QUESTIONS:

A) What do you mean by the term political parties? Mark 1

B) What are the components of political parties? Mark 1

C) What do you mean by the term partisan? Mark 2

28. How can employment potential in J&K increased?

29. What should be the role of community during a Disaster?

30. Explain the massacre of Jallian Wala Bagh.

SECTION - C

(Long Answer Type Questions 100-120 words)

31. Why did Nationalist Tensions emerge in Balkans.

32. What are the different forms of power sharing in a modern democracies?

33. Define Minerals. What are the various metallic and non - metallic minerals found in Jammu and Kashmir.

34. What steps did the French Revolutionaries take to create a sense of collective identity among the French People?

35. Read the extract and answer the questions:

The influence of print media, namely newspapers and magazines, is significantly limited in developing countries due to the prevalence of illiteracy. Despite this, print media plays a crucial role in shaping public opinion and determining what is deemed newsworthy. Margaret Gallagher's research in the early 1980s revealed that women and women's issues were given minimal coverage in newspapers, with gender stereotypes being reinforced in general. However, with the rise of feminist criticism of

print media and the involvement of feminist professionals in the industry, there has been some progress. In the past, women and their issues were rarely featured on the front page of newspapers and were often portrayed as victims of violence. Today, women are more visible in mainstream print media, although they still coexist with images and back page pin-ups.

Questions: (2+2+1) Marks

- 1) What do you mean by the term penny magazine? Also add name of prominent women writer in history of print media.
- 2) Write about Rashsundari Debi?
- 3) What was the role of press in liberating the rights of women in India?

SECTION - D

MAP SKILL BASED QUESTIONS :

36) (A) On an outline Map of India locate and label the following : (3 Marks)

- North to South Corridor
- East to west Corridor
- Port Kandla

(B) On the outline Map of the World shade and label any two non- federal countries. (2 Marks)

SUBJECT: SCIENCE

TIME: 3 HRS

General instructions

1. The question paper has four sections in all. Section A,B,C& D. There are 40 questions in all.
2. Section A (Q1 to Q18) are objective type questions in the form of M.C.Q's
3. Section B (Q19 to Q28) are very short answer type questions carrying 2 marks each.
4. Section C (Q29 to Q37) are short answer type questions carrying 3 marks each.
5. Section D (Q38 to Q40) are long answer type questions carrying 5 marks each.

SECTION-A

Multiple choice Questions of 1 mark each.(1 x 18= 18)

1. Metal oxides generally react with acids, but few oxides of metals also react with bases. Such metallic oxides are

- i) MgO ii) ZnO iii) Al₂O₃ iv) CaO
a) i and ii b) ii and iii c) iii and iv d) i and iv

2. Name of the salt used to remove the permanent hardness of water is:

- a) Sodium hydrogen carbonate
b) Sodium chloride
c) Sodium carbonate decahydrate
d) Calcium sulphate hemihydrate

3. The resistance of a resistor is reduced to half of its initial value. If other parameters of the electrical circuit remains unaltered, the amount of heat produced in the resistor will become:

- a) 4 times b) 2 times c) half d) one fourth

4. The radius of curvature of a converging mirror is 30 cm at what distance from the mirror should an object be placed as to obtain a virtual image:

- a) Infinity b) 30 cm. c) Between 15 cm and 30 cm d) between 0 cm and 15 cm

5. When we enter a dark room coming from outside, immediately the things inside the room do not appear clear to our eyes. This is because

- a) Pupils do not open in dark at all
b) Pupils take time to adjust
c) Light travels slower in a dark room
d) Pupils open very quickly in the dark

6. At noon the sun appears white as

- a) Light is least scattered
b) All the colours of white light are scattered away
c) Blue colour is scattered the most
d) Red colour is scattered the most

7. Electrical wires generally have a coating of insulating material. The material generally is

- a) Sulphur b) graphite c) PVC d) all of the above

8. Live wire is connected to which end of the power supply?

- a) Positive b) negative c) none of these d) both (a) and (b)

9. The third member of alkanolic family is

- a) ethanoic acid b) propanoic acid c) butanoic acid d) none of these

10. When sodium bicarbonate reacts with dilute hydrochloric acid, the gas evolved is.

- a) hydrogen; it gives pop sound with burning match stick
b) hydrogen; it turns lime water milky
c) carbon dioxide ; it turns lime water milky
d) carbon dioxide ; it blows off a burning match stick with a pop sound

11. In plant growth occurs by:

- a) permanent tissue
b) meristematic tissue
c) ground substance
d) bark

12. budding is observed in

- a) planaria b) Aspergillus c) yeast d) paramecium

13. The portion of the plant that is grafted on the other plant is called

- a) stock b) scion c) graft d) stump

14. Which of the following is non- biodegradable pollutant?

- a) sewage b) wood c) paper d) DDT

15 Nature's cleaners are

- a) Producers. b) Consumers c) Decomposers. d) carnivores

Note: For Q.Nos. 16 to 18: two statements (Assertion 'A' and Reason 'R') are given. Select the Correct answer to these questions from the Codes (a),(b),(c) and (d) as given below:(1 x 3 = 3)

Code (a): A and R are true and R is correct explanation of A

Code (b): Both A and R are true and R is not correct explanation of A

Code(c): A is true but R is false

Code (d): A is false but R is true

16. **Assertion (A):** a stationary charged particle placed in a magnetic field experiences a force
Reason (R): a stationary charged particle does not produce a magnetic field.
17. **Assertion (A):** when zinc is added to a solution of Iron (II) Sulphate no change is observed.
Reason (R): zinc is more reactive than iron.
18. **Assertion (A):** blood capillaries connect the arteries and veins
Reason (R): They perform the function of exchange of food materials, gases and metabolic wastes

SECTION-B

Very Short Answer Type Questions: (2 x 10 = 20 Marks)

19. What is a redox reaction? When magnesium ribbon burns in the air with a dazzling flame and forms a white ash is magnesium oxidised or reduced? Why?
20. Explain the following:
a) Sodium chloride is an ionic compound which does not conduct electricity in the solid state, whereas it conducts electricity in the molten state as well as in its aqueous state.
b) Metals like calcium and magnesium are never found in their free state.
21. Explain the process of formation of bleaching powder.
22. Why do stars twinkle and planets don't?
23. List the factors upon which the resistance of the conductor depends.
24. A compass needle is placed near a current carrying conductor. State your observations for the following cases and give reason for the same in each case
a) Magnitude of electric current in wire is increased.
b) The compass needle is displaced away from the wire.
25. Name the factors which affect the photosynthesis.
26. Write down the two vital functions of human kidney.
27. Name the parts of a flower and also draw a diagram for the same.
28. What are the secondary sexual characters in males?

SECTION-C

Short Answer Type Questions: 9x3 = 27 Marks)

29. Define myopia. Give its cause and correction.
30. What do you mean by resistance in series? Derive an expression for it.
31. Explain Maxwell's right hand thumb rule.
32. What do you mean by slaking of lime? Give a chemical reaction for the process.
33. How an acid is diluted? What happens to the concentration of hydronium ions after dilution of an acid?
34. What are the compound that are formed by exchange of electrons are called as?
Write four properties of them.
35. How fats are digested in our body?
36. How are alveoli designed to maximize the exchange of gases?
37. What are trophic levels ? Give an example of food chain and state the different trophic levels in it.

SECTION -D

Long answer type Question (5x3 = 15 Marks)

38. a) A lens produces a magnification of -0.5 . Is this a converging or diverging lens? If the focal length of the lens is 6cm , draw a ray diagram showing the image formation in this case.

b) If the image formed by a mirror for all the positions of the object placed in front of it is always diminished, erect and virtual. State the type of mirror and also draw a ray diagram to justify your answer. Write one use of such mirror.

39. Write the chemical properties of carbon compounds.

40. Describe the structure and function of nephron.