असतो मा सद्गमय, तमसो मा ज्योतिर्गमय।।

NEW INDIA HIGH SCHOOL

RATPUR COLONY, PINJORE

Affiliated to CBSE

www.newindiapinjore.in

WINTER BREAK

ASSIGNMENT

CLASS-X

Dear Parents

- Vacations are welcome break…..Break from schedules, rules and regulations of the school. Freedom brings more responsibility, so keeping this in mind, we have planned most of the activities to keep our children engaged and also help them in channelizing their energy. Kindly help and guide your child in completing his/her work and also exploring his/her creative self.

Important Note:

- Solve the given Practice Papers in your respective subject notebooks and submit on January 07, 2025.
- Prepare the given English and Hindi ASL topics.
- Prepare all Lab Practicals of Mathematics and Science for Annual Examination.

HAPPY HOLIDAYS !

ENGLISH PRACTICE PAPER

General Instructions:

Read the instructions very carefully and strictly follow them :

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 Creative Writing Skills
   - Section - C : Literature Text Book
3. Attempt questions based on specific instructions for each part.

Section A - Reading Skills

1. **Read the following passage carefully:**

1. Happiness is like the sun; it is often hidden by the clouds of thoughts, worries and desires. We have to scatter and dissolve these clouds to experience happiness. You don't have to create it, all you have to do is calm your mind, because when there is a quiet mind and inner peace, there is happiness. It is not something far away and unattainable and does not depend on circumstances, objects or events. Happiness is an inseparable part of our consciousness, of our essence, but hidden and covered from sight by our thoughts, desires, and worries.
2. The mind is always in a constant race from one thought to another, from one worry to another. It constantly moves from one object or task to another. This restlessness hides the happiness that is within you. It is like a choppy sea that hides the bottom. When the sea gets calm, you can see the bottom. In the same way, when the mind gets quiet, you sense the happiness that is within you.
3. You cannot see a treasure at the bottom of a stormy and muddy lake although it is there. However, when the wind stops, the water becomes still and the mud sinks, you can see the treasure. The treasure is there, whether you see it or not. So is happiness. It is always here, only hidden by thoughts, desires and worries.
4. You can experience more happiness in your life. Only your thoughts stand in your way of experiencing it. Next time you feel happy, stop for a moment and

watch the state of your mind. You will be surprised to discover that it is calm, and there are almost no thoughts in your mind. Since the mind is not accustomed to stay in this peaceful state for long, it soon becomes active again, and the sense of happiness disappears.

5. Many people connect happiness to achievement of certain goals. This makes happiness a reward and not an emotion that must be felt. We forget that it is something that comes by looking inward rather than waiting for an external trigger. Once you start looking inwards, you will have to treat yourself as you would treat a valued friend. This will lead to happiness. Take time to appreciate yourself, your work and your accomplishments. Surround yourself with happy people and recall positive memories. It is important to recognise that you have the power to feel happy within you and with practice, it will be felt frequently.

Based on your understanding of the passage, answer the questions given below: (10)

Here are questions similar to the sample questions provided, based on the new paragraph:

(i) Based on the reading and understanding of the above passage, list 2 points to describe the nature of happiness according to the passage.

(a) _____

(b) _____

(ii) Select the option that corresponds to the meaning of the following sentence from para 3:

"You cannot see a treasure at the bottom of a stormy and muddy lake although it is there."

(a) The treasure is visible only when the water is clear

(b) The treasure is hidden due to the storm and mud

(c) The treasure is always visible despite the storm and mud

(d) The storm and mud make the treasure unimportant

(iii) Based on your reading of the passage, examine in about 40 words how one can experience more happiness.

(iv) What is the tone of the writer in the given line from paragraph 5? Rationalise your response in about 40 words:

"Many people connect happiness to achievement of certain goals."

(v) The phrase 'hidden by the clouds' in paragraph (1) refers to:

(a) The obscuring of happiness by thoughts and worries

(b) The physical obstruction of happiness by objects

(c) The deliberate hiding of happiness by others

(d) The intentional creation of barriers to happiness

(vi) In sets a-e below, identify two sets of synonyms.

a. restlessness and calmness

b. treasure and object

c. dissatisfaction and contentment

d. essence and nature

e. trigger and cause

Options:

(a) a and c

(b) b and e

(c) d and e

(d) a and d

(vii) Complete the sentence appropriately:

Happiness is not something far away and unattainable and does not depend on _____.

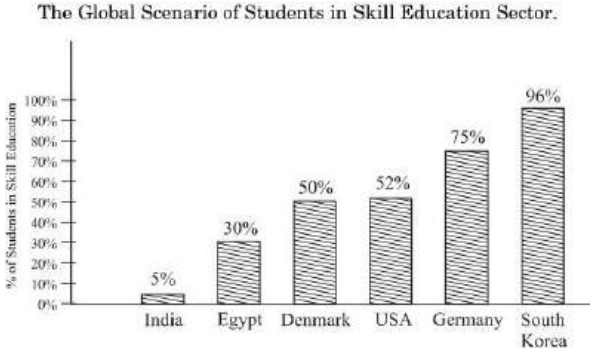
(viii) Complete the following sentence:

To experience more happiness, one must look _____rather than waiting for external triggers.

2. **Read the extract given below:**

1. The National Education Policy 2020 proposes the revision and revamping of all aspects of education, including the educational structure, regulations and governance, to create a new system which is aligned with the aspirational goals of 21st century students. According to the policy, by 2025, at least 50 % of learners through the school and higher education system shall have exposure to skill education, for which a clear action plan with targets and timelines are to be developed.
2. The policy aims to overcome the social status hierarchy associated with skill education and integration of skill education into mainstream education in all educational institutions in a phased manner. Beginning with skill exposure at early ages in middle and secondary school, quality skill education will be integrated smoothly into school and higher education.
3. Every child will learn at least one skill and is exposed to several more. This would lead to emphasizing the dignity of labour and importance of various vocations involving Indian arts and artisanship.

4. The development of skill capacities will go hand-in-hand with the development of 'academic' or other capacities. To achieve this objective, secondary schools will have to collaborate with Industrial Training Institutes (ITIs), Polytechnics, Local Industry, etc. Skill labs will also be set up and created in the schools in a Hub and Spoke model, which will allow other schools to use the facility. Higher education institutions will offer skill education either on their own or in partnership with industry and other institutions.



For visually challenged students only:

Percentage of students in Skill Education in various countries is as follows:

India - 5%

Egypt - 30%

Denmark - 50%

USA - 52%

Germany - 75%

South Korea - 96%

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

i. Based on the reading of the extract, list 2 objectives of NEP 2020.

ii. Fill in the blank with appropriate option from those given in the brackets, based on the understanding of paragraph 4.

The statement:

"The development of skill capacities will go hand-in-hand with the development of academic or other capacities" is a / an _____(fact / opinion) because it is a / an _____(subjective judgement / objective detail)

iii. Select the option that corresponds to the meaning of the statement given below:

"According to the policy, by 2025, at least 50% of learners through the school and higher education system shall have exposure to skill education."

A. Maximum 50% learners shall have exposure to technical education.

B. Minimum 50% learners shall have exposure to technical education.

C. Minimum 50% learners shall have exposure to skill education.

D. Maximum 50 % learners shall have exposure to skill education.

iv. Based on the understanding of the passage, complete the following statement appropriately:
The benefit of the hub and spoke model will be _____

v. Complete the following analogy correctly with a word / phrase from paragraph 3.:

Racism: condemn:: _____: respect

vi. As per the Global Scenario which country has the maximum percentage of students in Skill Education and what can be the possible reason

vii. Fill in the following blank choosing the most appropriate option from the ones given below:
As per NEP 2020, skill exposure will begin at _____.

A. middle and secondary school

B. primary school

C. higher school

D. senior secondary school

viii. Justify the statement - 'The NEP will create an awareness and appreciation of Indian arts and artisanship.'

SECTION B GRAMMAR

3. **Complete ANY TEN of twelve of the following tasks, as directed**

(i) Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:
Dear Sir
It was agreed that the teacher would _____(organize) the science fair for the students of grade 8.

(ii) Identify the error in the given sentence, from an e-zine report and supply the correction.

Anxiety is a manifestation of the mind being afraid of venture into the unknown.

Use the given format for your response.

error	**correction**

(iii) Read the conversation between the Chief Guest and the student. Complete the sentence by reporting the reply correctly.

Chief guest: Who inspired you to learn classical dance.

Student: I was inspired by my grandfather who was a renowned dancer.

The Chief Guest asked the student who had inspired the student to learn classical dance. The student replied _____.

(iv) He said to them, "Don't make a noise".

Reported speech: _____

a) He tells them not to make noise.

b) He told them that don't make a noise

c) He told them not to make a noise.

d) He asked them not to make a noise.

(v) Fill in the blank by choosing the correct option.

Although she thought she knew _____(many / much / whole)of the subject, the teacher asked a few details she hardly remembered.

(vi) Identify the error in the given sentence about learning from a mistake and supply the correction.

Have you ever learn from a mistake you have made?

Use the given format for your response.

error	**correction**

(vii) Select the option that identifies the error and supplies the correction for the following line, from the headline of a news report:

TWO CHILDREN DIES AFTER MASSIVE FIRE BREAKS OUT IN TIRUPATI

Option no.	Error	Correction
A	children	child
B	dies	die
C	breaks	broke
D	in	at

(viii) Fill in the blank by choosing the correct option.
She _____in the middle of his speech.

a) broke out
b) broke down
c) broke with
d) broke

(ix) Ritu and Randeep are talking.
Report Ritu's question.
Ritu - Where are you going?
Ritu asked _____.

(x) Read the dialogue between a librarian and a student.
Librarian: Welcome back! It's good to see you, young man!
Student: Thanks! I was overloaded with assignments, so I have not visited the library this week.
Based on the conversation above, report the dialogue between a librarian and a student by completing the sentence.
The librarian greeted the student warmly, expressing pleasure at his visit. The student thanked her and explained that _____which had limited his recent visits to the library.
Select the correct option from those given below:

a) he had been overloaded with assignments
b) he is overloaded with assignments
c) he was overloaded with assignments
d) he has been overloaded with assignments

(xi) **Complete the line from a self-awareness song, by filling the blank with the correct option.**
My Mother is not the sort of Mum

Darkness doesn't scare her,
When it thunders, she won't _____!

A. be squealing, quiver

B. squeal, be quiver

C. squeal, quiver

D. be squealing, have been quivered

(xii) Identify the error and supply the correction, for the following:

Pragati Maidan, New Delhi **28TH CONVERGENCE INDIA EXPO** Network and interact with industry leaders live and on person.

Use the given format for your response.

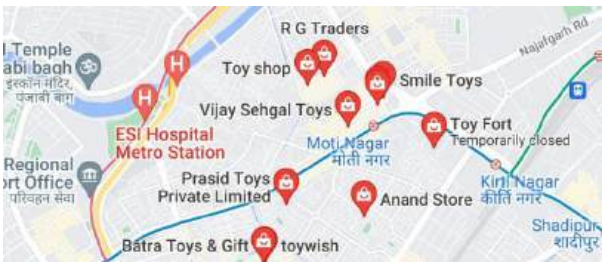
error	**correction**

SECTION B CREATIVE WRITING SKILLS

4. When you think about your city, you feel proud of its historical monuments, places of cultural interest, shopping centres and beautiful parks. Write a letter in 100-120 words to the editor of a national daily expressing your views on **Your City**. Also suggest ways to increase footfall to these places like the government's recent initiative of free entry to all historical monuments on the occasion 75th Independence Day.
You are Sangeeta/Sanjay, 45 Vijay Nagar, Delhi. (Word limit 100-125 words)

OR

You are Neeraj. You are a Sales Manager of DBM School, Gwalior. You need educational toys and play equipment for kindergarten students. For this, you searched google Maps as below and found that Kirti Nagar, New Delhi is one of the best markets for educational toys. After discussing over a call, you have selected **Quality Toys** company to place your order.



Write a letter to the Manager, Quality Toys, Kirti Nagar, Delhi placing an order.

5. Many out-of-school children are employed in various odd jobs in India. Child labour deprives children of their right to go to school and reinforces intergenerational cycles of poverty. Based on the data given below, write an analytical paragraph, in about 120 words, analysing the situation and circumstances that lead children to become a part of the child labour force.

1. bottles collection	46%
2. shoes polishing	20%
3. car washing	12%
4. cleaning	7%
5. dishwashing	7%
6. selling and wood collection	7%
7. begging	1%

OR

The school library is setting up a section of digital and audio books. However, teachers feel that the touch and feel of a paper book enhance the reading experience.
Write an analytical paragraph on the above argument in not more than **120** words.

SECTION C - LITERATURE

6. **Read the given extracts and answer the questions for ANY ONE of the two, given.**

(i) Read the extract given below and answer the questions that follow:
Ausable moved to an armchair and sat down heavily. "I'm going to raise the devil with the management this time, and you can bet on it," he said grimly. This is the second time in a month that somebody has got into my room through that nuisance of a balcony!

i. Who is Ausable? (1)

ii. Ausable's annoyance at the balcony when he says, "…nuisance of a balcony…" could be called fake. Why is it so? (2)

iii. Which word replaces 'sat down heavily' in the sentence - 'Ausable moved to an armchair and sat down heavily'? (1)

a. dumped

b. flumped

c. pumped

d. jumped

iv. Delnaaz is a new tenant in her locality and Mrs. Mehta is the landlady. Choose the option that lists an action that would require Mrs. Mehta to ‘raise the devil’ with Delnaaz. (1)

a. She uses the elevator five times a day.

b. She feeds the stray dogs in the street.

c. She works late at night and stays home in the afternoon only.

d. She plays music louder than is necessary late into the night.

(ii) **Read the extract given below and answer the questions that follow:**

So, in order not to shake the writer’s faith in God, the postmaster came up with an idea to answer the letter. But when he opened it, was evident that to answer it, he needed something more than goodwill, ink, and paper. But he stuck to his resolution: he asked for money from his employees, he himself gave part of his salary and several friends of his were obliged to give something for an act of charity’. It was impossible for him to gather together the hundred pesos, so he was able to send the farmer only a little more than half. He put the money in an envelope addressed to Lencho and with it a letter containing only a single word as a signature: God. The following Sunday Lencho came a bit earlier than usual to ask if there was a letter for him. It was the postman himself who handed the letter to him while the postmaster, experiencing the contentment of a man who has performed a good deed, looked on from his office.

i. What is the significance of the situation where the postmaster decided to help Lencho? Answer in about 40 words.

ii. How did the postmaster collect money to be sent to Lencho? Complete the sentence with the appropriate option. He collected money from his employees and gave _____.

A. a part of his salary to send to Lencho.

B. the collected money to Lencho.

C. the contribution to Lencho.

D. his monthly salary to Lencho.

iii. Identify the word from the passage, which is opposite to the phrase 'very few'.

iv. What were the things the postmaster kept in the envelope? State any one inference about the postmaster from the given context: "So, in order not to

shake the writer's faith in God, the postmaster came up with an idea to answer the letter."

7. **Read the given extracts and answer the questions for ANY ONE of the two, given.**

(i) Read the extracts given below and answer the questions that follow:

My head is full of whispers
which tomorrow will be silent.
Listen. The glass is breaking.
The trees are stumbling forward
into the night. Winds rush to meet them.
The moon is broken like a mirror,
its pieces flash now in the crown
of the tallest oak.

i. Why would the whispers be silent tomorrow?

ii. The forest undergoes tremendous transformation overnight. Discuss with reference to the poem "The Trees"

iii. Which word in the stanza means the same as 'quiet'?

iv. Which poetic device has been used in the last line 'its pieces flash now in the crown of the tallest oak.'

a. Simile

b. Alliteration

c. imagery

d. Personification

(ii) Read the lines given below and answer the questions that follow:

Custard the dragon had big sharp teeth,
And spikes on top of him and scales underneath,
Mouth like a fireplace, chimney for a nose,
And realio, trulio daggers on his toes.

i. Describe the physical appearance of Custard the dragon.

ii. Fill in the blank with one word. This extract describes the physical appearance of Custard. He carried all the features of _____that could make him powerful, scary, and brave.

iii. Which belief about dragons is in contrast to Custard's behaviour in the

a. Dragons are brave and feared.

b. Dragons can grant wishes.

c. Dragons can become invisible at will.

d. Dragons are soft-hearted and kind.

iv. Comment on the poet's use of language in these lines.

8. **Answer ANY FOUR of the following five questions, in about 40-50 words**

(i) How are the Coorgi people men of valour?

(ii) What do you think the tiger would say to you, as a visitor?
You may begin like this:
Please stop staring. You have no idea.....
(continue).....

(iii) What reasons does Lomov give for his decision to marry?

(iv) Why does Anne need to give a brief sketch about her family? Does she treat **Kitty** as an insider or an outsider?

(v) "But if it had to perish twice"; how will the world perish twice? Answer in the context of the poem Fire and Ice.

9. **Answer ANY TWO of the following three questions, in about 40-50 words.**

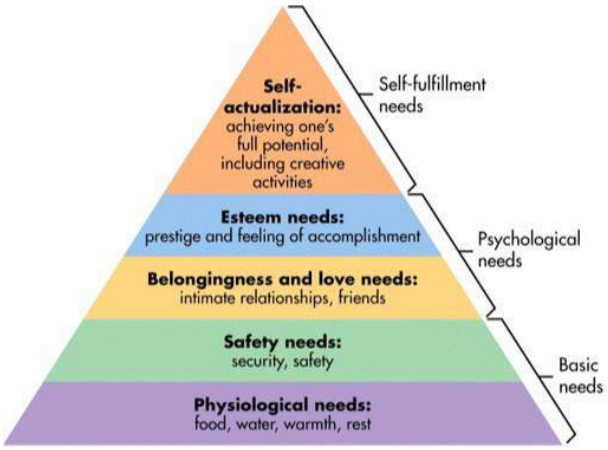
(i) What was Mr. Herriot’s strict advice? Did Mrs. Pumphrey agree to his advice?

(ii) How would you have reacted if you were one of the guests witnessing Bholi's wedding when she refused to marry Bishamber Nath?

(iii) Why did Griffin decide to become visible and to go to Iping?

10. **Answer ANY ONE of the following two questions, in about 100-120 words**

(i) Look at the image of Maslow's hierarchy of needs.
Abraham Maslow devised a theory of motivation that shows the basic needs at the bottom, and more advanced needs as you move up. It includes the theory that fundamental needs must be met before an individual can be motivated to achieve higher order needs.



Where in this hierarchy of needs, would you locate the young seagull's first flight? Justify your response.

(ii) Prejudice based on race and colour or any other reason causes profound hur **[6]**
Write about any one character from the chapters in First Flight who was subjected to such prejudice? Discuss the consequence of this prejudice for the character. Answer in the context of the lesson **Long Walk to Freedom**.

11. **Answer ANY ONE of the following two questions, in about 100-120 words.**

(i) Your teacher conducted an Turn Tables in class, and asked you to put forth your views on **Frugality in Life is the Ideal Way to Live**.

Write the debate script with points to supplement your stand, both for and against the motion and conclude with your own views. Answer in the context of the lesson **The Necklace.**

(ii) Who was Anil? How did he transform Hari Singh's character?

HINDI PRACTICE PAPER

सामान्य निर्देश:

- इस प्रश्नपत्र में चार खंड हैं।
- खंड 'क' में 14 अंकों के लिये दो अपठित गद्यांश दिये गये हैं।
- खंड 'ख' में 16 अंकों के लिये व्यावहारिक व्याकरण से संबंधित कुल 20 प्रश्न पूछे गये हैं, जिनमें से केवल 16 प्रश्नों के उत्तर देने हैं।
- खंड 'ग' में 28 अंकों के लिये विकल्प सहित पाठ्यपुस्तक एवं पूरक पाठ्यपुस्तक से विभिन्न प्रश्न पूछे गये हैं। सभी प्रश्नों का उत्तर देना अनिवार्य है।
- खंड 'घ' में 22 अंकों के लिये विकल्प सहित रचनात्मक लेखन से संबंधित प्रश्न पूछे गये हैं।
- निर्देशों को बहुत सावधानी से पढ़िए और उनका पालन कीजिए। यथासंभव दोनों खंडों के प्रश्नों के उत्तर क्रमशः लिखिए।

खंड क – अपठित बोध

1. **निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-**

संस्कृतियों के निर्माण में एक सीमा तक देश और जाति का योगदान रहता है। संस्कृति के मूल उपादान तो प्रायः सभी सुसंस्कृत और सभ्य देशों में एक सीमा तक समान रहते हैं, किंतु बाह्य उपादानों में अंतर अवश्य आता है। राष्ट्रीय या जातीय संस्कृति का सबसे बड़ा योगदान यही है कि वह हमें अपने राष्ट्र की परंपरा से संपृक्त बनाती है, अपनी रीति-नीति की संपदा से विच्छिन्न नहीं होने देती। आज के युग में राष्ट्रीय एवं जातीय संस्कृतियों के मिलन के अवसर अति सुलभ हो गए हैं, संस्कृतियों का पारस्परिक संघर्ष भी शुरू हो गया है। कुछ ऐसे विदेशी प्रभाव हमारे देश पर पड़ रहे हैं, जिनके आतंक ने हमें स्वयं अपनी संस्कृति के प्रति संशयालु बना दिया है। हमारी आस्था डिगने लगी है। यह हमारी वैचारिक दुर्बलता का फल है।

अपनी संस्कृति को छोड़, विदेशी संस्कृति के विवेकहीन अनुकरण से हमारे राष्ट्रीय गौरव को जो ठेस पहुँच रही है, वह किसी राष्ट्रप्रेमी जागरूक व्यक्ति से छिपी नहीं है। भारतीय संस्कृति में त्याग और ग्रहण की अद्‌भुत क्षमता रही है। अत: आज के वैज्ञानिक युग में हम किसी भी विदेशी संस्कृति के जीवंत तत्वों को ग्रहण करने में पीछे नहीं रहना चाहेंगे, किंतु अपनी सांस्कृतिक निधि की उपेक्षा करके नहीं। यह परावलंबन राष्ट्र की गरिमा के अनुरूप नहीं है। यह स्मरण रखना चाहिए कि सूर्य की आलोकप्रदायिनी किरणों से पौधे को चाहे जितनी जीवनशक्ति मिले, किंतु अपनी जमीन और अपनी जड़ों के बिना कोई पौधा जीवित नहीं रह सकता। अविवेकी अनुकरण अज्ञान का ही पर्याय है।

1. राष्ट्रीय संस्कृति की हमारे प्रति सबसे बड़ी देन क्या है?
   (क) वह हमें अच्छा नागरिक बनाती है।
   (ख) वह हमें देशभक्ति सिखाती है।
   (ग) वह हमें अपने राष्ट्र की परंपरा और रीति-नीति से जोड़े रखती है।
   (घ) वह हमें दुश्मनों से लड़ना सिखाती है।

2. हम अपनी सांस्कृतिक संपदा की उपेक्षा क्यों नहीं कर सकते?
   (क) ऐसा करने से पारस्परिक संघर्ष शुरू हो जाएगा।
   (ख) ऐसा करने से हम जड़ विहीन पौधे के समान हो जाएँगे।
   (ग) ऐसा करने से हम देशद्रोही कहे जाएँगे।
   (घ) ऐसा करने से लोग हमें पसंद नहीं करेंगे।

3. अज्ञान का पर्याय क्या है?
   (क) अविवेकी संस्कृति
   (ख) अविवेकी संस्कार
   (ग) अविवेकी ज्ञान
   (घ) अविवेकी अनुकरण

4. आधुनिक युग में संस्कृतियों पर परस्पर संघर्ष प्रारंभ होने का प्रमुख कारण बताइए।

5. हम अपनी संस्कृति के प्रति शंकालु क्यों हो गए हैं?

2. **निम्नलिखित गद्यांशों को पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-**

सड़क मार्ग से हम आगे बढ़े और सरयू पुल पर से बस्ती जिले की सीमा में प्रवेश किया। हमारा पहला पड़ाव कुशीनगर था मगर हम कुछ देर मगहर में रुके जो कबीर की निर्वाण भूमि है मगर लोगों की फिरकापरस्ती ने उनकी सारी मेहनत पर पानी फेर दिया है और उन्हें मंदिर और मकबरे में बाँट दिया है। मठ के महंत ने हमारे भोजन की व्यवस्था की और आस-पास के स्कूल और कॉलेज की लड़कियों से मुलाकात भी कराई। उनसे बातचीत कर के हमने जाना कि अब स्थितियाँ बदल गई हैं अब लड़कियों की पढ़ाई और नौकरी पर ध्यान दिया जाता है मगर उनमें सामाजिकता का लोप सा हो गया है अब ब्याह और मरनी-हरनी में एका नजर नहीं आता। गीतों की बात चली तो वहाँ मौजूद पचास-साठ लड़कियों में से किसी को भी लोकगीत याद नहीं थे।
वहाँ से हम कुशीनगर पहुँचे। रात घिरने लगी थी मगर हम पंडरी गाँव के लोगों से मिले। कुशीनगर से लगभग बीस किलोमीटर होने पर भी यहाँ विकास का एक कण भी नहीं पहुँचा था मगर यहाँ के युवा सजग हैं, वे स्वप्रयास से स्कूल भी चलाते हैं। रात को हम बौद्ध मठ में ठहरे। यह मठ किसी शानदार विश्रामगृह से कम नहीं था। सुबह हम केसरिया गाँव गए। सामाजिक और पारिवारिक विघटन के इस दौर में एकमात्र संयुक्त परिवार वहाँ मिला। हमने उनसे बात की। उस परिवार की सबसे बुजुर्ग महिला के पास तीज-त्योहार, गीत-गवनई की अनुपम थाती थी मगर उनसे सीखने वाला कोई नहीं था। नई पीढ़ी लोक संस्कृति से विरत थी।

1. कबीर की निर्वाण भूमि कौन-सी है?
   (क) बस्ती
   (ख) कुशीनगर
   (ग) मगहर
   (घ) पंडरी

2. कबीर की किस मेहनत पर पानी फिर गया था?
   (क) सांप्रदायिक भेदभाव से ऊपर उठाने की मेहनत
   (ख) सामाजिक और पारिवारिक विघटन के बचाने की मेहनत
   (ग) लोकगीत याद कराने की मेहनत
   (घ) तीज-त्योहार एक साथ मनाने की मेहनत

3. वर्तमान में मगहर की स्थितियों में क्या बदलाव आ चुका है?
   (क) ब्याह और मरनी-हरनी में एका नजर नहीं आता
   (ख) सामाजिकता का लोप सा हो गया है
   (ग) अब लड़कियों की पढ़ाई और नौकरी पर ध्यान दिया जाता है
   (घ) उपरोक्त सभी

4. लेखक ने पंडरी गाँव की क्या विशेषता बताई?

5. केसरिया गाँव में मिले एकमात्र संयुक्त परिवार के बारे में लेखक को क्या पता चला?

खंड ख – व्यावहारिक व्याकरण

1. निम्नलिखित वाक्यों में रेखांकित पदबंध का नाम लिखिए। (कोई चार प्रश्न)

   1. ठीक चार बजकर दस मिनट पर सुभाष बाबू जुलूस **<u>लेकर आए</u>**।
   2. **<u>पिकनिक मनाते हुए हमने</u>** बहुत सी अच्छी-अच्छी बातें सीखी।
   3. **<u>समय का सदुपयोग करने वाले</u>** लोग कभी असफल नहीं होते।
   4. रात के समय मैं और मेरी बहन आकाश में तारे देखने **<u>छत पर जाते हैं</u>**।
   5. गोपी से सभी **<u>प्रभावित हुए क्योंकि</u>** वह एक प्रभावशाली लड़की है।

2. नीचे लिखें वाक्यों में से **किन्हीं चार** वाक्यों का निर्देशानुसार रचना के आधार पर वाक्य रूपांतरण कीजिए-

   1. बच्चा दौड़ कर मेरे पास आया। वाक्य को संयुक्त वाक्य में बदलिए।
   2. राम आया और चला गया। वाक्य को सरल वाक्य में बदलिए।

3. कमाने वाला खाएगा। वाक्य को मिश्र वाक्य में बदलिए।
4. जब मजदूरों ने गड्ढा खोद लिया तब वे चले गए। वाक्य को संयुक्त वाक्य में बदलिए।
5. ऐसी सभा पहले नहीं की गई थी, जिसमें खुला चैलेंज दिया गया हो। (सरल वाक्य में)

3. निर्देशानुसार **किन्हीं चार** प्रश्नों का उत्तर दीजिए और उपयुक्त समास का नाम भी लिखिए।
    1. यथानियम (विग्रह कीजिए)
    2. शराहत (विग्रह कीजिए)
    3. नेक है नाम जिसका (समस्त पद लिखिए)
    4. कुमारी श्रमणा (समस्त पद लिखिए)
    5. चार गुनी (समस्त पद लिखिए)
4. निम्नलिखित में से **किन्हीं चार** मुहावरों का वाक्य में प्रयोग इस प्रकार कीजिए कि उनका आशय स्पष्ट हो जाए:
    1. आड़े हाथों लेना
    2. लोहे के चने चबाना
    3. ईद का चाँद होना
    4. लाल-पीला होना
    5. मुँह की खाना

खंड ग – गद्य खंड (पाठ्यपुस्तक)

1. **अनुच्छेद को ध्यानपूर्वक पढ़कर निम्नलिखित प्रश्नों के उत्तर दीजिये:**
इतिहास में रावण का हाल तो पढ़ा ही होगा। उसके चरित्र से तुमने कौन-सा उपदेश लिया? या यों ही पढ़ गए? महज़ इम्तिहान पास कर लेना कोई चीज़ नहीं, असल चीज़ है बुद्धि का विकास। जो कुछ पढ़ो, उसका अभिप्राय समझो। रावण भूमंडल का स्वामी था। ऐसे राजाओं को चक्रवर्ती कहते हैं। आजकल अंग्रेज़ों के राज्य का विस्तार बहुत बड़ा हुआ है, पर इन्हें चक्रवर्ती नहीं कह सकते। संसार में अनेक राष्ट्र अंग्रेज़ों का आधिपत्य स्वीकार नहीं करते, बिलकुल स्वाधीन हैं। रावण चक्रवर्ती राजा था, संसार के सभी महीप उसे कर देते थे। बड़े-बड़े देवता उसकी गुलामी करते थे। आग और पानी के देवता भी उसके दास थे, मगर उसका अंत क्या हुआ? घमंड ने उसका नाम-निशान तक मिटा दिया, कोई उसे एक चुलू पानी देने वाला भी न बचा।
    1. **चक्रवर्ती** राजा किन्हें कहा जाता था?

    क) जो चक्र की तरह घूमते हैं।

    ख) जो सब पर अत्याचार करते हैं।

    ग) जो भूमंडल का स्वामी होता है।

    घ) जो चारों ओर जाता है।
    2. **रावण** के चरित्र से हमें क्या सीख लेनी चाहिए?

    क) ईमानदार न होना

    ख) दयालु होना

    ग) परोपकारी न होना

    घ) घमंडी न होना
    3. शिक्षा का उद्देश्य क्या होना चाहिए?

क) परीक्षा पास कर लेना।

ख) बुद्धि का विकास करना।

ग) समाज में सफल होना।

घ) नौकरी प्राप्त करना।

4. मनुष्य को कौन-से कर्म नहीं करने चाहिए?

क) अभिमान नहीं करना चाहिए।

ख) कुकर्म नहीं करने चाहिए।

ग) उपर्युक्त सभी

घ) इतराना नहीं चाहिए।

5. गद्यांश में आए **महीप** शब्द का अर्थ होता है

क) रंक

ख) शक्तिशाली

ग) राजा

घ) महान

2. निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में दीजिए:

1. 26 जनवरी, 1931 के दिन को अमर बनाने के लिए क्या-क्या तैयारियाँ की गईं? डायरी का एक पन्ना पाठ के आधार पर लिखिए।
2. गांधीजी आदर्श एवं व्यावहारिकता का समन्वय किस प्रकार करते थे? **गिन्नी का सोना** पाठ के आधार पर लिखिए।
3. 'कारतूस' पाठ के आधार पर लिखिए कि जंगल में दूर से आते अनजान सैनिक को देखकर कर्नल और लेफ्टिनेंट ने क्या अनुमान लगाया?
4. **तीसरी कसम** फिल्म को **सैल्यूलाइड पर लिखी कविता** क्यों कहा गया है?

खंड ग – काव्य खंड (पाठ्यपुस्तक)

1. **अनुच्छेद को ध्यानपूर्वक पढ़कर निम्नलिखित प्रश्नों के उत्तर दीजिये:**

विचार लो कि मर्त्य हो न मृत्यु से डरो कभी,
मरो, परंतु यों मरो कि याद जो करें सभी।
हुई न यों सुमृत्यु तो वृथा मरे, वृथा जिए,
मरा नहीं वही कि जो जिया न आपके लिए।
वही पशु-प्रवृत्ति है कि आप आप ही चरे,
वही मनुष्य है कि जो मनुष्य के लिए मरे।।

1. कवि ने किसकी मृत्यु को सुमृत्यु माना है?

क) परोपकारी मनुष्य की

ख) शिक्षित मनुष्य की

ग) अमीर मनुष्य की

घ) स्वार्थी मनुष्य की

2. कवि के अनुसार पशु-प्रवृत्ति क्या होती है?

क) केवल अपने लिए जीना

ख) देश के लिए जीना

ग) इनमें से कोई नहीं

घ) दूसरों के लिए जीना

3. **मरा नहीं वही कि जो जिया न आपके लिए** पंक्ति का क्या आशय है?

क) जिसकी इच्छाएँ कभी पूरी नहीं होतीं, वह कभी नहीं मरता।

ख) जो अपने लिए जीता है, वह कभी नहीं मरता।

ग) जो अपना जीवन परोपकार में लगा देता है, वह कभी नहीं मरता।

घ) जो पशुओं की भाँति जीता है, वह कभी नहीं मरता।

4. अमर कौन हो जाता है?

क) परोपकार करने वाला

ख) तपस्या करने वाला

ग) पशु के समान जीवन जीने वाला

घ) राज करने वाला

5. हमारा मरना और जीना कब व्यर्थ है ?

क) धनी होने पर

ख) सुमृत्यु होने पर

ग) सुमृत्यु न होने पर

घ) निर्धन होने पर

2. निम्नलिखित प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25-30 शब्दों में दीजिए:

1. मीराबाई ने श्री कृष्ण की रूप माधुरी का वर्णन कैसे किया है? उनके पद के आधार पर बताइए।
2. बादलों के उठने तथा वर्षा होने का चित्रण अपने शब्दों में लिखिए।
3. 'फ़तह का जश्न इस जश्न के बाद है' पंक्ति में किन दो अलग-अलग जश्नों का जिक्र किया गया है? 'कर चले हम फ़िदा' कविता के आधार पर बताइए।
4. रवींद्रनाथ ठाकुर ने कलकत्ता (कोलकाता) के निकट एक शिक्षण संस्थान की स्थापना की थी। पुस्तकालय की मदद से उसके विषय में जानकारी एकत्रित कीजिए।

खंड ग – संचयन (पूरक पाठ्यपुस्तक)

1. निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50-60 शब्दों में दीजिए:

1. अंत में हरिहर काका द्वारा जमीन के सन्दर्भ में लिया जाने वाला निर्णय क्या था और वह परिवार के मूल्यों को किस परिस्थिति में प्रभावित करता है और कैसे? यह स्थिति हर व्यक्ति को क्या संदेश प्रदान करती है?
2. **सपनों के-से दिन** पाठ के आधार पर लिखिए कि लेखक को नयी श्रेणी में जाने की प्रसन्नता अन्य विद्यार्थियों की तरह क्यों नहीं होती थी?
3. इफ्फन के पिता के तबादले के बाद टोपी शुक्ला का अकेलापन और महंत और भाइयों के दुर्व्यवहार के कारण **हरिहर काका** का मौन धारण वर्तमान समाज की ऐसी सच्चाई है, जिससे आज बहुत से लोग पीड़ित हैं। इस स्थिति से निकलने में

आप ऐसे लोगों को क्या सुझाव देंगे?

खंड घ – रचनात्मक लेखन

2. निम्नलिखित में से किसी एक विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिये:
    1. **जैविक (ऑर्गेनिक) खेती : एक कदम प्रकृति की ओर** विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए।
        - समय की माँग
        - सकारात्मक प्रभाव
        - कठिनाइयाँ, सुझाव
    2. **क्यों आवश्यक है सहनशीलता** विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए :
        - सहनशीलता का अर्थ
        - कब आवश्यक
        - क्यों आवश्यक
    3. **मन के हारे हार है, मन के जीते जीत** विषय पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए।
        - सूक्ति का अर्थ
        - निराशा अभिशाप
        - दृष्टिकोण परिवर्तन
        - सकारात्मक सोच
3. अकसर हम सड़क दुर्घटनाओं के विषय में सुनते हैं, जिनका कारण खराब सड़कें भी हैं। सड़कों की दुर्दशा का वर्णन करते हुए किसी हिन्दी समाचार-पत्र के संपादक को लगभग 120 शब्दों में पत्र लिखिए।**अथवा** आप विद्यालय के खेल सचिव हैं। आप नवीं-दसवीं कक्षा के बीच फुटबॉल मैच आयोजित करवाना चाहते हैं, अतः उसकी अनुमति के लिए प्रधानाचार्य को 80-100 शब्दों में पत्र लिखिए।
4. आप दसवीं कक्षा के अर्पित/अर्पिता हैं। भोजनावकाश के दौरान खेल के मैदान में आपका ब्लेज़र (कोट) कहीं छूट गया। उससे संबंधित जानकारी देते हुए लगभग **80** शब्दों में एक सूचना तैयार कीजिए।**अथवा** आप तरुणा अरोड़ा/तरुण अरोड़ा हैं और बहुमुखी विकास विद्यालय की प्राचार्या/प्राचार्य हैं। आपके विद्यालय में आगामी सत्र से रोबोटिक्स की कक्षा प्रारंभ होने वाली है। छात्रों को इसकी जानकारी देते हुए लगभग 80 शब्दों में एक सूचना तैयार कीजिए।
5. एक प्रसिद्ध मोबाइल फ़ोन कंपनी की ओर से लगभग 25-50 शब्दों में विज्ञापन लेखन कीजिए।**अथवा** आपके पिताजी अपना दो कमरों वाला फ्लैट किराए पर देना चाहते हैं। फ्लैट और उससे संबंधित जानकारी देते हुए लगभग 60 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।
6. अपने प्रधानाचार्य abcschool@gmail.com को इमेल लिखिए जिसमें अन्य विद्यालय से फ़ुटबॉल मैच खेलने की अनुमति माँगी गई हो।**अथवा बहादुर रामू** विषय पर लगभग 100 शब्दों में कहानी लिखिए।

MATHEMATICS PRACTICE PAPER

General Instructions:

Read the following instructions carefully and follow them:

1. This question paper contains 38 questions.
2. This Question Paper is divided into 5 Sections A, B, C, D and E.
3. In Section A, Questions no. 1-18 are multiple choice questions (MCQs) and questions no. 19 and 20 are Assertion- Reason based questions of 1 mark each.
4. In Section B, Questions no. 21-25 are very short answer (VSA) type questions, carrying 02 marks each.
5. In Section C, Questions no. 26-31 are short answer (SA) type questions, carrying 03 marks each.
6. In Section D, Questions no. 32-35 are long answer (LA) type questions, carrying 05 marks each.
7. In Section E, Questions no. 36-38 are case study based questions carrying 4 marks each with sub parts of the values of 1, 1 and 2 marks each respectively.
8. All Questions are compulsory. However, an internal choice in 2 Questions of section B, 2 Questions of section C and 2 Questions of section D has been provided. And internal choice has been provided in all the 2 marks questions of Section E.
9. Draw neat and clean figures wherever required.
10. Take π =22/7 wherever required if not stated.
11. Use of calculators is not allowed.

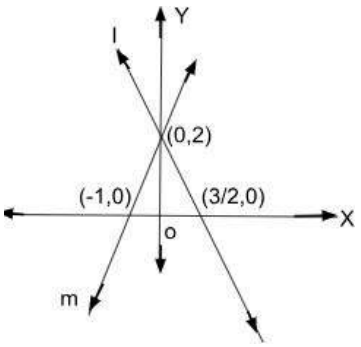
Section A

Section A consists of 20 questions of 1 mark each.

1. HCF OF $(3^3 \times 5^2 \times 2), (3^2 \times 5^3 \times 2^2)$ *and* $(3^4 \times 5 \times 2^3)$ is

(A) 450 (B) 90 (C) 180 (D) 630

2. The system of linear equations represented by the lines l and m is



(A) consistent with unique solution (B) inconsistent

(C) consistent with three solutions (D) consistent with many solutions

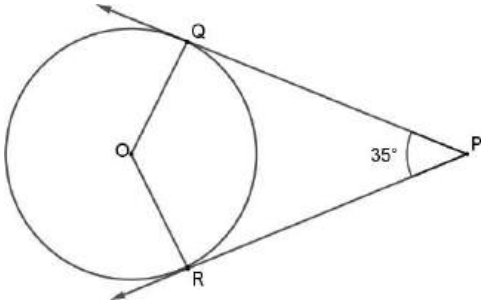
3. The value of k for which the quadratic equation $kx^2 - 5x + 1 = 0$ does not have a real solution, is

(A) 0 (B) $\frac{25}{4}$ (C) $\frac{4}{25}$ (D) 7

4. The distance between the points (a, b) and $(-a, -b)$ is

(A) $\sqrt{a^2 + b^2}$ (B) $a^2 + b^2$ (C) $2\sqrt{a^2 + b^2}$ (D) $4\sqrt{a^2 + b^2}$

5. In the given figure, PQ and PR are tangents to a circle centred at O. If $\angle QPR = 35°$ then $\angle QOR$ is equal to



(A) $70°$ (B) $90°$ (C) $135°$ (D) $145°$

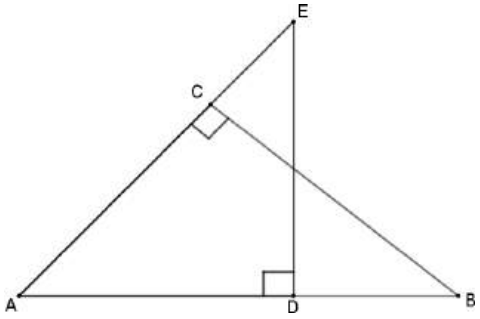
6. If $\triangle ABC \sim \triangle PQR$ such that 3AB = 2PQ and BC=10 cm, then length QR is equal to

(A) 10 cm (B) 15 cm (C) $\frac{20}{3}$cm (D) 30 cm

7. If $3 \cot A = 4$, where $0° < A < 90°$, then $\sec A$ is equal to

(A) $\frac{5}{4}$ (B) $\frac{4}{3}$ (C) $\frac{5}{3}$ (D) $\frac{3}{4}$

8. In the given figure, ΔBAC is similar to



(A) ΔAED (B) ΔEAD (C) ΔACB (D) ΔBCA

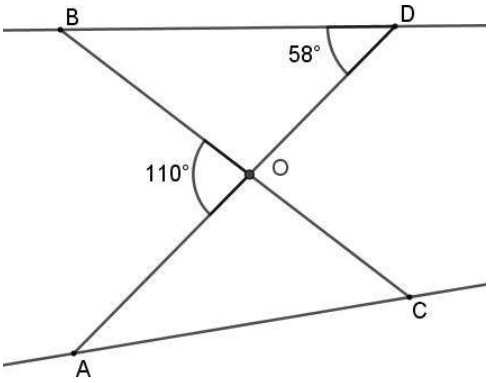
9. If H.C.F(420,189) = 21 then L.C.M(420,189) is

(A) 420 (B) 1890 (C) 3780 (D) 3680

10. The 4^{th} term from the end of the A.P $-8, -5, -2, \ldots, 49$ is

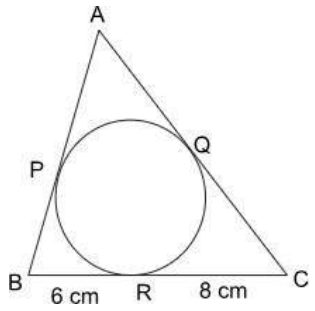
(A) 37 (B) 40 (C) 1 (D) 43

11. In the given figure, if $\triangle OCA \sim \triangle OBD$ then $\angle OAC$ is equal to



(A) 58° (B) 55° (C) 128° (D) 52°

12. If perimeter of given triangle is 38 cm, then length AP is equal to



(A)19 cm (B) 5 cm (C) 10 cm (D)8 cm

13. $\frac{1-tan^2 30^\circ}{1+tan^2 30^\circ}$ is equal to

(A) $\cos 60^\circ$ (B) $\sin 60^\circ$ (C) 1 (D) $tan^2 60^\circ$

14. The total surface area of solid hemisphere of radius r is

(A) πr^2 (B) $2\pi r^2$ (C) $3\pi r^2$ (D) $4\pi r^2$

15. Which of the following cannot be the probability of an event?

(A) 0.4 (B) 4% (C) 0.04% (D) 4

16. The roots of quadratic equation $3x^2 - 4\sqrt{3}x + 4 = 0$ are

(A) not real (B) real and equal

(C) rational and distinct (D) irrational and distinct

17. The following distribution shows the marks distribution of 80 students.

Marks	Below 10	Below 20	Below 30	Below 40	Below 50	Below 60
No. of students	2	12	28	56	76	80

The median class is

(A) 20-30 (B) 40-50 (C) 30-40 (D) 10-20

18. A quadratic polynomial whose zeroes are 2 and $\frac{-1}{5}$ is $\frac{}{5}$

(A) $25x^2 + 5x - 2$ (B) $5x^2 - 2x + 1$

(C) $5x^2 + 2x - 1$ (D) $25x^2 - 5x - 2$

DIRECTION: In the question number 19 and 20, a statement of **Assertion (A)** is followed by a statement of **Reason (R)**. Choose the correct option

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 and 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.

19. Assertion(A): The sequence $-1, -1-1, \ldots, -1$ is an AP. Reason(R): In an AP, $a_n - a_{n-1}$ is constant where $n \geq 2$ and $n \in N$

20. Assertion(A): $(2+\sqrt{3})\overline{\sqrt{3}}$ is an irrational number.
Reason(R): Product of two irrational numbers is always irrational.

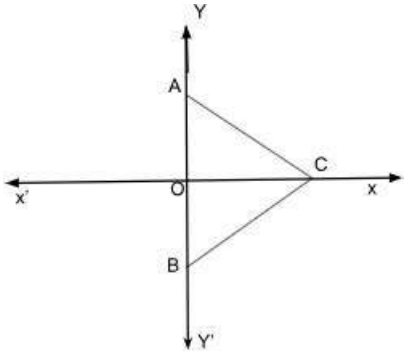
Section B

Section B consists of 5 questions of 2 marks each.

21 (A). $P(x, y)$ is a point equidistant from the points $A(4,3)$ and $B(3,4)$. Prove that $x - y = 0$.

OR

21 (B). In the given figure, ΔABC is an equilateral triangle. Coordinates of vertices A and B are $(0,3)$ and $(0,-3)$ respectively. Find the coordinates of points C.



22. In two concentric circles, a chord of length 8 cm of the larger circle touches the smaller circle. If the radius of the larger circle is 5 cm, then find the radius of the smaller circle.

23 (A). The sum of the first 12 terms of an A.P. is 900. If its first term is 20 then find the common difference and 12^{th} term.

OR

23 (B). The sum of first n terms of an A.P. is represented by $S_n = 6n - n^2$. Find the common difference.

24. If $sin(A-B) = \frac{1}{2} and\ cos(A+B) = \frac{1}{2}, 0° < A+B < 90° \ and\ A > B$, then find the values of A and B.

25. Calculate mode of the following distribution:

Class	5-10	10-15	15-20	20-25	25-30	30-35
Frequency	5	6	15	10	5	4

Section C

Section C consists of 6 questions of 3 marks each.

26. Prove that $\sqrt{5}$ is an irrational number.

27 (A). Find the ratio in which the y-axis divides the line segment joining the points $(4, -5)$ and $(-1,2)$. Also find the point of intersection.

OR

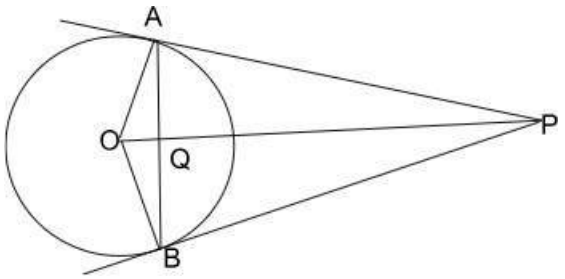
27 (B). Line $4x + y = 4$ divides the line segment joining the points $(-2, -1)$ and $(3,5)$ in a certain ratio. Find the ratio.

28. Prove that: $(cosecA - sinA)(secA - cosA) = \frac{1}{\tan A + \cot A}$.

29. Find the mean using the step deviation method.

Class	0-10	10-20	20-30	30-40	40-50
Frequency	6	10	15	9	10

30. (A) In the given figure, PA and PB are tangents to a circle centred at O. Prove that
(i) OP bisects $\angle APB$ (ii) OP is the right bisector of AB.



OR

30 (B). Prove that the lengths of tangents drawn from an external point to a circle are equal.

31. The sum of a two-digit number and the number obtained by reversing the order of its digits is 99. If ten's digit is 3 more than the unit's digit, then find the number.

Section -D

Section D consists of 4 questions of 5 marks each

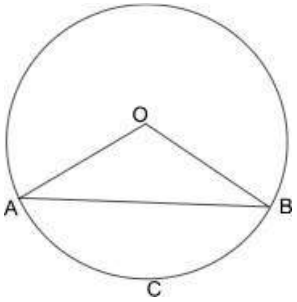
32 (A). Amita buys some books for ₹1920. If she had bought 4 more books for the same amount each book would cost her ₹ 24 less. How many books did she buy? What was the initial price of one book?

OR

32 (B). A train travels at a certain average speed for a distance of 132 km and then travels a distance of 140 km at an average speed of 4 km/h more than the initial speed. If it takes 4 hours to complete the whole journey, what was the initial average speed? Determine the time taken by train to cover the distances separately.

33. If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then prove that the other two sides are divided in the same ratio.

34. The perimeter of sector OACB of the circle centred at O and of radius 24, is 73.12 cm.



(i) Find the central angle $\angle AOB$.

(ii) Find the area of the minor segment ACB. (Use $\pi = 3.14\ and\ \sqrt{3} = 1.73$)

35 (A). From the top of a 9 m high building, the angle of elevation of the top of a cable tower is $60°$ and angle of depression of its foot is $45°$. Determine the height of the tower and distance between building and tower. (Use $\sqrt{3} = 1.732$)

OR

35 (B). As observed from the top of a 75 m high lighthouse from the sea level, the angles of depression of two ships are $30°$ and $45°$. If one ship is exactly behind the other on the same side of the lighthouse, find the distance between the two ships (Use $\sqrt{3} = 1.732$)

Section E

36. A group of students conducted a survey to find out about the preferred mode of transportation to school among their classmates. They surveyed 200 students from their school. The results of the survey are as follows:

120 students preferred to walk to school. 25% of the students preferred to use bicycles. 10% of the students preferred to take the bus.

Remaining students preferred to be dropped off by car.

Based on the above information, answer the following questions:

(i) What is the probability that a randomly selected student does not prefer to walk to school?

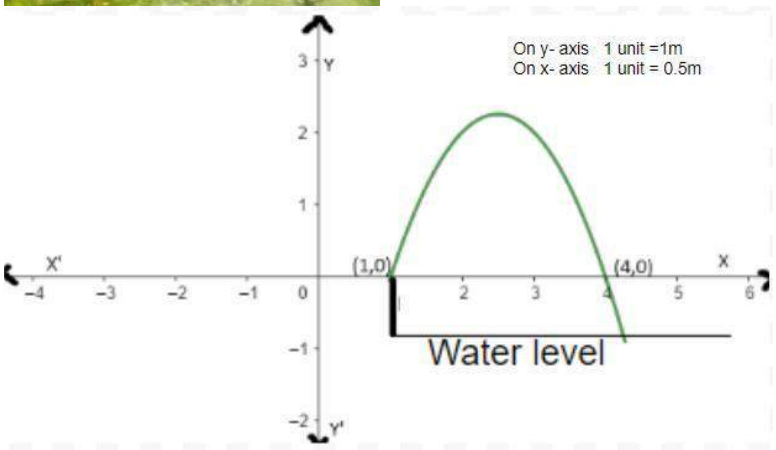
(ii) Find the probability of a randomly selected student who prefers to walk or use a bicycle.

(iii)(A) One day 50% of walking students decided to come by bicycle. What is the probability that a randomly selected student comes to school using a bicycle on that day?

OR

(B) What is the probability that a randomly selected student prefers to be dropped off by car?

37. Radha, an aspiring landscape designer, is tasked with creating a visually captivating pool design that incorporates a unique arrangement of fountains. The challenge entails arranging the fountains in such a way that when water is thrown upwards, it forms the shape of a parabola. The graph of one such parabola is given below.



The height of each fountain rod above water level is 10 cm. The equation of the downward-facing parabola representing the water fountain is given by

$p(x) = -x^2 + 5x - 4$.

Based on the above information, answer the following questions:

(i) Find the zeroes of the polynomial p(x) from the graph.

(ii) Find the value of x at which water attains maximum height.

(iii)(A) If h is the maximum height attained by the water stream from the water level of the pool, then find the value of h.

OR

(B) At what point(s) on x- axis, the height of water above x- axis is 2 m?

38. Rinku was very happy to receive a fancy jumbo pencil from his best friend Rohan on his birthday. Pencil is a basic writing tool, when sharpened its shape is a combination of cylinder & cone as given in the picture.

Cylindrical pencil with conical head is a common shape worldwide since ages. Commonly pencils are made up of wood & plastic but we should promote pencils made up of eco-friendly material (many options available in the market these days) to save environment.

The dimensions of Rinku's pencil are given as follows:

Length of cylindrical portion is 21cm. Diameter of the base is 1 cm and height of the conical portion is 1.2 cm

Based on the above information, answer the following questions:

(i) Find the slant height of the sharpened part.

(ii) Find curved surface area of sharpened part (in terms of π).

(iii)(A) Find the total surface area of the pencil (in terms of π).

OR

(B) The pencil's total height decreases by 8.2 cm after sharpening it many times, what is the volume of the cylindrical part of the shortened pencil (in terms of π)?

SCIENCE PRACTICE PAPER

General Instructions:

1. All questions would be compulsory. However, an internal choice of approximately 33% would be provided. 50% marks are to be allotted to competency-based questions.
2. Section A would have 16 simple/complex MCQs and 04 Assertion-Reasoning type questions carrying 1 mark each.
3. Section B would have 6 Short Answer (SA) type questions carrying 02 marks each.
4. Section C would have 7 Short Answer (SA) type questions carrying 03 marks each.
5. Section D would have 3 Long Answer (LA) type questions carrying 05 marks each.
6. Section E would have 3 source based/case based/passage based/integrated units of assessment (04 marks each) with sub-parts of the values of 1/2/3 marks.

Section-A

Question 1 to 16 are multiple choice questions. Only one of the choices is corr
write the correct choice as well as the answer to these questions.

1 The arrangement for Copper, Tin, Lead and Mercury, according to the reactivity series, is:
   A. Tin> Lead> Copper> Mercury
   B. Lead> Copper> Mercury> Tin
   C. Copper> Mercury> Tin> Lead
   D. Mercury> Tin> Lead> Copper

2 $Na_2CO_3.10H_2O$ is known as –
   A. Baking soda
   B. Baking powder
   C. Washing soda
   D. Bleaching powder

3. Which among the following diseases is not sexually transmitted?
   A. Syphilis
   B. Hepatitis
   C. HIV-AIDS
   D. Gonorrhea

4 Which statement is true for the reflection of light?
   A. The angle of incidence and reflection are equal.
   B. The reflected light is less bright than the incident light.
   C. The sum of the angle of incidence and reflection is always greater than 900.
   D. The beams of the incident light, after reflection, diverge at unequal angles.

5 Anuradha adds barium hydroxide to hydrochloric acid to form a white-coloured barium chloride. Which of the following option gives the balanced chemical equation of the reaction?

A. $HCl + Ba(OH)_2 \rightarrow BaCl_2 + 2HOH$
B. $2HCl + Ba(OH)_2 \rightarrow BaCl_2 + 2HOH$
C. $2HCl + Ba(OH)_2 \rightarrow BaH_2 + 2HCl + O_2$
D. $HCl + 2Ba(OH) \rightarrow 2BaCl_2 + 2HOH + O_2$

6 A person cannot see distinctly objects kept beyond 2m. This defect can be corrected by using lens of power

A. +0.5D
B. -0.5D
C. +0.2D
D. -0.2D

7 Which of the following events in the mouth cavity will be affected if salivary amylase is lacking in the saliva?

A. Starch breaking down into sugars.
B. Proteins breaking down into amino acids.
C. Absorption of vitamins.
D. Fats breaking down into fatty acids and glycerol.

8 Which of the following is neutral salt?

A. NH_4Cl
B. CH_3COONH_4
C. CH_3COONa
D. Na_2CO_3

9 The magnetic field inside a long straight solenoid-carrying current

A. is zero.
B. decreases as we move towards its end.
C. increases as we move towards its end.
D. is the same at all points.

10 C_3H_8 belongs to the homologous series of

A. Alkynes
B. Alkenes
C. Alkanes
D. Cycloalkanes

11 Which of the following represents voltage?

A. work done/ (current x charge)
B. work done x charge
C. (work done x time)/ current
D. work done x charge x time

12 Which of the following is the formula of Butanoic acid?

A. $CH_3CH_2CH_2CH_2COOH$

B. $COOH - CH_2 - CH_2 - CH_2 - CH_3$

C. $CH_3 - \underset{\displaystyle COOH}{\underset{|}{CH}} - CH_2 - CH_3$

D. $CH_3 - CH_2 - CH_2 - COOH$

13 Unit of electric power may also be expressed as-

A. volt ampere

B. kilowatt hour

C. watt second

D. joule second

14 Food web is constituted by

A. relationship between the organisms and the environment

B. relationship between plants and animals

C. various interlinked food chains in an ecosystem

D. relationship between animals and environment.

15 A female is suffering from an irregular menstrual cycle. The doctor prescribed her some hormonal tablets. Which option shows that the hormone she lacks in her body is from the endocrine gland?

A. Oestrogen

B. Testosterone

C. Adrenalin

D. Thyroxin

16 Which of the following will undergo an addition reaction?

A. CH_4

B. C_3H_8

C. C_2H_6

D. C_2H_4

Question No. 17 to 20 consist of two statements – **Assertion (A)** and **Reason (R)**. Answer these questions by selecting the appropriate option given below:

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

B. Both A and R are true, and R is not the correct explanation of A.

C. A is true but R is false.

D. A is false but R is true.

17 **Assertion (A)** : The sex of a child in human beings will be determined by the type of chromosome he/she inherits from the father.

Reason (R) : A child who inherits 'X' chromosome from his father would be a girl (XX), while a child who inherits a 'Y' chromosome from the father would be a boy (XY).

18 **Assertion (A)**: Most of the carbon compounds are good conductors of electricity.

Reason (R): They do not dissociate to form ions and remain as molecules.

19 **Assertion (A)**:It is dangerous to touch the neutral wire of the main supply rather than live wire.

Reason (R):We can get an electric shock by touching live wire but that is not the case with neutral wire.

20 **Assertion (A)**: Producers always occupy the first trophic level in every food chain.

Reason (R):Producers are the green plants that serve as a source of food for all non-producers or consumers directly or indirectly.

Section-B

Question No. 21 to 26 are very short answer questions

21 An object is placed at a distance of 30 cm in front of a convex mirror of focal length 15 cm. Write four characteristics of the image formed by the mirror.

22 Which part of the human brain is:
(i) the main thinking part of the brain?
(ii) responsible for maintaining the posture and balance of the body?

23 State the role played by the following in the process of digestion :
(i) Enzyme trypsin
(ii) Enzyme lipase

24 ***Attempt either option A or B.***

A. All the variations in a species do not have equal chances of survival. Why?

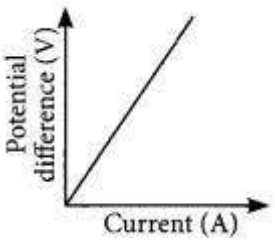
OR

B. A Mendelian experiment consisted of breeding pea plants bearing violet flowers with pea plants bearing white flowers. What will be the result in F1 progeny?

25 A solution of potassium chloride, when mixed with silver nitrate solution, an insoluble white substance is formed. Write the chemical reaction involved and also mention the type of the chemical reaction?

26 ***Attempt either option A or B.***

A. V-I graph for a conductor is as shown in the figure-



(i) What do you infer from this graph?
(ii) State the law expressed here.

OR

B. Name a device that you can use to maintain a potential difference between the ends of a conductor. Explain the process by which this device does so.

Section-C

Question No. 27 to 33 are short answer questions

27 List the sequences of events that occur when a plant is exposed to unidirectional light, leading to bending of a growing shoot. Also name the hormone synthesised and the type of movement that takes place.

28 ***Attempt either option A or B.***

A. The linear magnification produced by a spherical mirror is +3.

Analyse this value and state the
(i) type of mirror and
(ii) position of the object with respect to the pole of the mirror.

Draw a ray diagram to show the formation of image in this case.

OR

B. A concave mirror has a focal length of 20 cm. At what distance from the mirror should a 4 cm tall object be placed so that it forms an image at a distance of 30 cm from the mirror? Also calculate the size of the image formed.

29 (a) Bacteria and fungi are called decomposers. Why?
(b) List two reasons to show that the existence of decomposers is essential in an ecosystem.

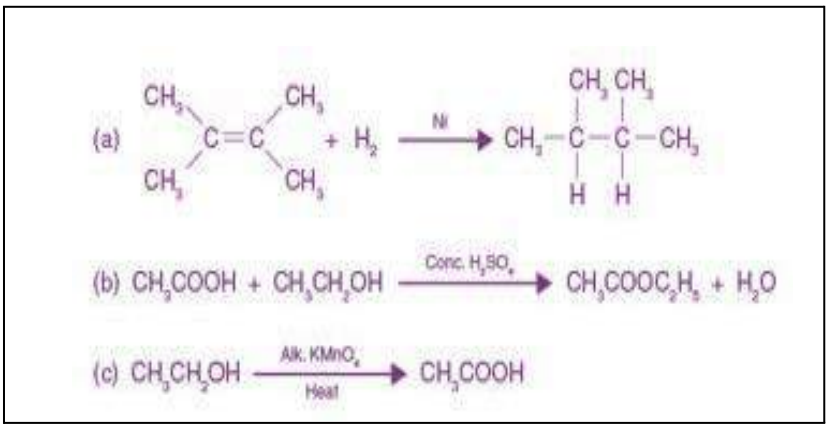
30 Grapes hanging on the plant do not ferment, but after being plucked from the plant can be fermented. Under what conditions do these grapes ferment? Is it a chemical or a physicalchange?

31 A current of 10 A flows through a conductor for two minutes.

(i) Calculate the amount of charge passed through any area of cross section of the conductor.

(ii) If the charge of an electron is 1.6 × 10-19 C, then calculate the total number of electrons flowing.

32 What is the role of metal or reagents written on arrows in the given chemical reactions?



33 List two differences in tabular form between dominant traits and recessive traits. What percentage/proportion of the plants in the F2 generation/progeny were round, in Mendel's cross between round and wrinkled pea plants?

Section-D

Question No. 34 to 36 are long answer questions.

34 ***Attempt either option A or B.***

A. List three techniques that have been developed to prevent pregnancy. Which one of these techniques is not meant for males? How does the use of these techniques have a direct impact on the health and prosperity of a family?

OR

B. (a)Write one main difference between asexual and sexual mode of reproduction. Which species is likely to have comparatively better chances of survival – the one reproducing asexually or the one reproducing sexually? Justify your answer.

(b)Write names of those parts of a flower which serve the same function as the following do in the animals-

(i) testes (ii) sperm (iii) ovary (iv) egg

35 ***Attempt either option A or B.***

A. Differentiate between a glass slab and a glass prism. What happens when a narrow beam of

(i) a monochromatic light and (ii) white light passes through (a) glass slab and (b) glass prism?

OR

B. A student suffering from myopia is not able to see distinctly the

objects placed beyond 5 m.

(a) List two possible reasons due to which this defect of vision may have arisen. With the help of ray diagrams, explain-

(i) Why the student is unable to see distinctly the objects placed beyond 5 m from his eyes?

(ii) The type of the corrective lens used to restore proper vision and how this defect is corrected by the use of this lens.

(b) If, in this case, the numerical value of the focal length of the corrective lens is 5 m, find the power of the lens as per the new Cartesian sign convention.

36 ***Attempt either option A or B.***

A. (a) List in tabular form three chemical properties on the basis of which we can differentiate between a metal and a non¬metal.

(b) Give reasons for the following :

(i) Most metals conduct electricity well.

(ii) The reaction of iron (III) oxide [Fe2O3] with heated aluminium is used to join cracked machine parts.

OR

B. Give reason for the following:

(i) Hydrogen gas is not evolved when most of the metals react with nitric acid.

(ii) Zinc oxide is considered as an amphoteric oxide.

(iii) Metals conduct electricity.

(iv) Aluminium is a reactive metal but is still used for packing food articles.

(v) Calcium starts floating when water is added to it.

Section – E

Question No. 37 to 39 are case-based/data -based questions.

37 The heart is a muscular organ which is as big as our fist.Because both oxygen and carbon dioxide have to be transported by the blood, the heart has different chambers to prevent the oxygen-rich blood

from mixing with the blood containing carbon dioxide. The carbon dioxide-rich blood has to reach the lungs for the carbon dioxide to be removed, and the oxygenated blood from the lungs has to be brought back to the heart. This oxygen-rich blood is then pumped to the rest of the body.

A. Name the vein which brings blood to left atrium from lungs.

B. Mention any two components of blood.

Attempt either subpart C or D.

C. Give reasons:

(a) Ventricles have thicker muscular walls than atria.

(b) Veins have valves whereas arteries do not.

OR

D. “Blood circulation in fishes is different from the blood

circulation in human beings". Justify the statement.

38 The strength of an acid or an alkali can be tested by using a scale called the pH scale (0-14) which gives the measure of hydrogen ion concentration in a solution. A neutral solution has a pH of exactly 7, while an acidic solution has a pH less than 7 and a basic solution a pH more than 7. Living beings carry out their metabolic activities within an optimal pH range.

A. You have three solutions – A, B and C having a pH of 6, 2 and 9 respectively. Arrange these solutions in increasing order of hydrogen ion concentration.

B. Which of the three is most acidic?

Attempt either subpart C or D.

C. (a)What happens to the hydrogen ion concentration in A as it is diluted?

(b)Write the pH range in which human body works?

OR

D. If someone is suffering from a stomach problem called acidity, why is a solution of baking soda offered as a remedy?

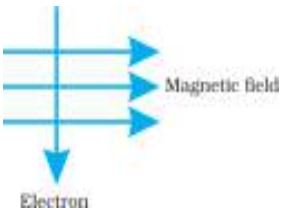
39 We considered the direction of the current and that of the magnetic field perpendicular to each other and found that the force is

perpendicular to both of them. The three directions can be illustrated through a simple rule, called Fleming's left-hand rule.

A. State Fleming's left-hand rule.

(1)

B. An electron enters a magnetic field at right angles to it, as shown in the figure.



(1)

What will be the direction of force acting on the electron?

Attempt either subpart C or D. (2)

C. (a)Name any two devices that use current-carrying conductors and magnetic fields.

(b) Why don't two magnetic field lines intersect each other?

OR

D. A current through a horizontal power line flows in east to west direction.

(a) What is the direction of magnetic field at a point directly below it and at a point directly above it?

(b) State the law which is being applied here.

SOCIAL SCIENCE PRACTICE PAPER

General Instructions:

1. The question paper comprises Six Sections – A, B, C, D, E and F. There are 37 questions in the Question paper. All questions are compulsory.
2. **Section A** – From questions 1 to 20 are MCQs of 1 mark each.
3. **Section B** – Question no. 21 to 24 are Very Short Answer Type Questions, carrying 2 marks each. Answer to each question should not exceed 40 words.
4. **Section C** contains Q.25to Q.29 are Short Answer Type Questions, carrying 3 marks each. Answer to each question should not exceed 60 words.
5. **Section D** – Question no. 30 to 33 are long answer type questions, carrying 5 marks each. Answer to each question should not exceed 120 words.
6. **Section-E** - Questions no from 34 to 36 are case based questions with three sub questions and are of 4 marks each. Answer to each question should not exceed 100 words.
7. **Section F** – Question no. 37 is map based, carrying 5 marks with two parts, 37a from History (2 marks) and 37b from Geography (3 marks).
8. There is no overall choice in the question paper. However, an internal choice has been provided in few questions. Only one of the choices in such questions must be attempted.
9. A separate question has been provided for visually impaired candidates in lieu of questions having visual inputs, maps etc. Such questions are to be attempted by Visually impaired students only. In addition to this, separate instructions are given with each section and question, wherever necessary.

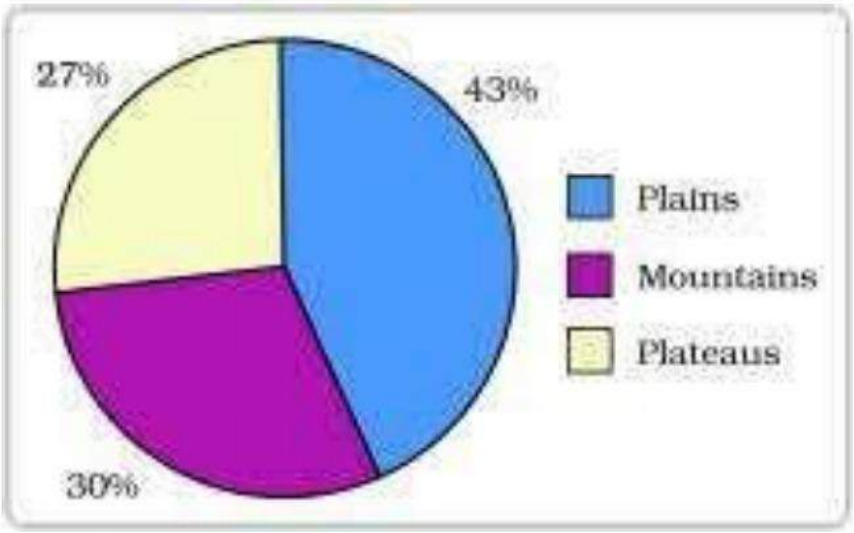
SECTION A
MCQs (20x1=20)

1. Why did nationalists in late-nineteenth-century India focus on recording and preserving folklore? 1

   (A) To create new forms of artistic expression that reflected modern India.
   (B) To restore a sense of pride in traditional culture and national identity
   (C) To use folklore as a tool for economic development and modernization.
   (D) To promote a uniform culture that could be adopted across all Indian regions.

2. I

   Interpret the following pie diagram and choose the correct option for the following question?



What is the significance of 43 percent land under plains?

(A) It provides facilities for agriculture and industry.
(B) It provides facilities for tourism.
(C) It ensures perennial flow of some river.
(D) It possesses rich reserves of minerals, fossil fuels and forests.

Note: The following question is for Visually Impaired Candidates only in lieu of Q. No. 2.

Transformation of things available in our environment involves an interactive relationship between ……. Choose the correct option from below.

(A) Nature and technology
(B) Nature, technology, and institutions
(C) Nature and institutions
(D) Environment and human beings

3. Read the data given below and answer the question.

State	***Infant mortality rate per 1000 live births(2018)***	***Literacy rate% (2017-18)***
A	***30***	***82***
B	***7***	***94***

As per the data given above, why state B has a low infant mortality rate?

(A) It has high per capita income.
(B) It has better infrastructure than state A
(C) It has good teachers and schools.
(D) It has health care and education for all.

4. Match list I and II and select the correct answer using the codes below in the lists:

List I	List II
1. Reserved Forests	a. North Eastern States
2. Protected Forests	b. Andhra Pradesh
3. Unclassed Forests	c. Haryana

Options:

(A) 1 (a), 2 (b), 3 (c)
(B) 1 (c), 2 (b), 3 (a)
(C) 1 (a), 2 (c), 3 (b)
(D) 1 (b), 2 (c), 3 (a)

5. Conservation of forest is a key to the survival of human mankind. Some of the practices undertaken in India in this direction is Joint Forest Management. Identify the correct information related to Joint Forest Management.

1. It involves local communities in the management and restoration of degraded forests.
2. The programme has been in formal existence since 1980.
3. Jharkhand passed the first resolution for Joint Forest Management.
4. The members of local village communities are entitled to intermediary benefits like non timber forest producers.

Options:

(A) 1 and 2 only
(B) 2 and 3 only
(C) 1 and 4 only
(D) 3 and 4 only

6. The people of Belgium have successfully dealt with their country's power sharing problem and is leading a happy and peaceful life. Which route to federation have they opted for?

(A) Coming together.
(B) Cooperative Federation
(C) Holding Together
(D) Competitive Federation

7. Match list I with list II and select the correct answer using the codes below in the lists:

List I	List II
1. Ethnic	a. Either only one or two level government
2.Majoritrianism	b. a violent conflict opposing groups within a country
3.Civil war	c. Belief that the majority community should be able to rule a country
4.Unitary system	d. a social division based on culture

(A) 1.d), 2.a), 3. c), 4. b)
(B) 1.b), 2.d), 3. a), 4. c)
(C) 1.c), 2.a), 3. b), 4. d)
(D) 1.d), 2.c), 3. b), 4. a)

8. Mr. X has taken credit to make candles during the festive season. Choose the correct options that defines the importance of credit from the given options: 1

i. it plays a vital and positive role in meeting his target and accelerating his income
ii. the credit helps him to meet the ongoing expenses of production
iii. the credit helps him complete the production on time
iv. it helps him in exercising restraint and get into the habit of taking more credit

(A) Only 4
(B) 3 and 4
(C) 1, 2 and 3
(D) Only 2

9. The North-eastern States of India like Nagaland, Mizoram, Arunachal Pradesh enjoys special status in the Constitution of India because: 1

(A) The area has lush green forests.
(B) Literacy rates are very high.
(C) Due to their social and historical circumstances.
(D) As the people speak lot of different languages

10. Napoleon in the given picture is depicted as a postman. What do each letter falling from his bag represent? 1

Source-https://ncert.nic.in/ncerts/l/jess301.pdf

(A) Number of wars he fought
(B) Letters he posted to the monarchs
(C) Territories lost by him
(D) Areas conquered by him

Note: The following question is for Visually Impaired Candidates only in lieu of Q.10

Q. Which of the following symbol does the “broken chains “stand for?
(A) Freedom.
(B) Strength
(C) Willingness to make peace.
(D) Heroism

11. Which of the following factors significantly contribute to the process of globalisation? Select the correct options. 1

1. Expansion of Multinational Corporations (MNCs).
2. Advancements in information and communication technology.
3. Nationalisation and trade barriers.
4. Cross-border movement of people for jobs and education.

Options:
(A) Statements 1 and 2 are appropriate.
(B) Statements 1, 2 and 3 are appropriate.
(C) Statements 2, 3 and 4 are appropriate
(D) Only statement 3 is appropriate

Options:
(A) Statements 1 and 2 are appropriate.
(B) Statements 1, 2 and 3 are appropriate.
(C) Statements 2, 3 and 4 are appropriate
(D) Only statement 3 is appropriate

12. Which of the following statements about Federalism in the Indian Constitution are correct? 1

1. India is declared as a Union of States.
2. Power-sharing between the Union and State governments is a basic feature.
3. The power-sharing arrangement is easy to change.
4. Changes in power-sharing require a 1/3rd majority in both houses of Parliament.

Options
(A) 1 and 2
(B) 2 and 3
(C) 1 and 3
(D) 2 and 4

13. Arrange the following events in the correct chronological order leading up to the Civil Disobedience Movement: 1

1. Boycott of the Simon Commission
2. Poorna Swaraj resolution passed
3. Letter with 11 demands sent to Viceroy Irwin
4. Salt March

Options:

(A) 4, 3, 2, 1
(B) 2, 1, 3, 4
(C) 1, 4, 3, 2
(D) 1, 2, 3, 4

14. In Indian Economy, the three sectors (Primary, Secondary and Tertiary) are interdependent. However, the share of employment in the primary sector remains high. Most appropriate explanation for this could be: 1

I. Government policies preferentially treat the primary sector
II. Indian economy is largely agrarian and majority of population is dependent on agricultur
III. Inadequate service sector jobs force people to continue working in primary sectors
IV. Primary sector provides raw material for the secondary and tertiary sector.

Choose the correct option

(A) Only I and II are true
(B) Only II and III are true
(C) Only III and IV are true
(D) All are true

15 Consider the statements given below and choose the correct answer 1

Statement I. By the 1870s, caricatures and cartoons were being published in Indian journals and newspapers, commenting on social and political issues

Statement II: Some caricatures praised the educated Indians' fascination with Western tastes and clothes, while others were looking forward to social change.

(A) Statement (I) is correct and (II) is incorrect.
(B) Statement (I) is incorrect and (II) is correct.
(C) Both (I) & (II) are incorrect.
(D) Both (I) & (II) are correct

16. The frequent stories of _____ remind us that no system is entirely without shortcomings, even democracies. Identify the issue being referred to from the options given. 1

(A) Poverty
(B) Black Marketing
(C) Terrorism
(D) Corruption

17. Which of the following is the main factor that led to the rise of multiple political parties at the same level in India? 1

(A) A federal political system
(B) Varied economic conditions.
(C) Linguistic and regional diversity
(D) Low levels of literacy and political awareness

18 The result of greater foreign investment and greater foreign trade has been _____across countries. Find the correct option from below. 1

(A) greater bifurcation of production and markets
(B) greater segregation of production and markets
(C) greater differentiation of production and markets
(D) greater integration of production and markets

19 Which of the following is the true meaning of 'Equal treatment of women' as a necessary ingredient of a democratic society? 1

(A) Women are always treated with respect and dignity.
(B) It is now easier for women to legally wage struggle for their rights.
(C) Most societies across the world are now women dominated.
(D) Women are now treated as equals in the political arena.

20 Consider the statements given below and choose the correct answer. 1

Statement I: A communal mindset can lead to efforts to secure political influence for a specific religious group.

Statement II: Members of the majority community may seek to create a separate political entity as a response to such dynamics.

(A) Statement (I) is correct and (II) is incorrect.
(B) Statement (I) is incorrect and (II) is correct
(C) Both (I) & (II) are incorrect
(D) Both (I) & (II) are correct

SECTION B

VERY SHORT ANSWER QUESTION (4x2=8)

21 "Agriculture and industry are not exclusive of each other. They move hand in hand". Justify your answer with examples. 2

22 (A) 'The silk routes are a good example of vibrant pre -modern trade and cultural links between distant parts of the world. 'Substantiate the statement with illustrations. 2

OR

(B) "New crops can significantly impact survival and well-being." Provide evidence to support this statement.

23 India with vast population and diversity represents a classic example of power sharing that exemplifies the very spirit of democracy. Justify the statement. 2

24 "Local Government is an effective way to uphold the democratic principle of decentralization." Justify this statement with valid points. 2

SECTION C

SHORT ANSWER-BASED QUESTIONS (5x3=15)

25 'By the seventeenth century, as urban culture bloomed in China, the uses of print diversified'. Explain the statement by giving suitable examples. 3

26 (A) Mr.Y from a city in India visits a rural area and finds five people working in a small agricultural farm. More than two people are not required to work in the farm and removing the other three will not affect production. How can one solve this problem of underemployment in rural areas? Explain. 3

OR

(B) Sunil and Raman did their graduation from the same college. Sunil got employed in an unorganised sector and was not satisfied whereas Raman got employed in an organised sector and was happy and satisfied. Identify three reasons for Sunil's dissatisfaction as compared to Raman.

27 Define agricultural term used for cultivation of fruits and vegetables? Write its features with reference to India. 3

28 Women empowerment has greatly improved their status in society over the years. Give any three examples to prove the statement. 3

29 Over the forty years between 1973-74 and 2013-14, while production in all the three sectors has increased, it has increased the most in the tertiary sector. As a result, in the year 2013-14, the tertiary sector has emerged as the largest producing sector in India replacing the primary sector. Why do you think tertiary sector has become so popular in India? Support your answer giving any 3 reasons 3

SECTION D

LONG ANSWER-BASED QUESTIONS (4X5=20)

30 (A) Analyse the measures adopted to prevent soil erosion caused due to natural forces. 5

OR

(B) '"Mohan recently bought a farm and wants to grow crops such as sugarcane, cotton, and jowar. He is unfamiliar with the local soil types and climatic conditions." Help him identify the appropriate soil type and its properties for successful farming.

31 (A) 'Romanticism, a cultural movement sought to develop a particular form of nationalist sentiment.' Justify the statement with suitable arguments. 5

OR

(B) 'The Treaty of Vienna depicted the spirit of conservatism.' Substantiate the statement with key features of the treaty.

32 (A) Political parties are a necessary condition for a democracy.' Analyse the statement with relevant points. 5

OR

(B) "Political parties today face several challenges that impact their democratic functioning." Justify this statement.

33 (A) Miss X wants to start a savoury food store in her village. She wants to supplement her income to raise the standard of living of her family. How, do you think, self-help groups can help, support your answer with reasons? 5

OR

(B) Money by providing the crucial intermediate step eliminates the need for double coincidence of wants. Justify the statement highlighting the significance of the modern form of money in India.

SECTION E

CASE-BASED QUESTIONS (3X4=12)

34 **Read the source given below and answer the questions that follow:** 1+2+1

Emboldened with this success, Gandhi ji in 1919 decided to launch a nationwide *Satyagraha* against the proposed Rowlatt Act (1919). This Act had been hurriedly passed through the Imperial Legislative Council despite the united opposition of the Indian members. It gave the government enormous powers to repress political activities, and allowed detention of political prisoners without trial for two years. Mahatma Gandhi wanted non-violent civil disobedience against such unjust laws, which would start with a *harta*l on 6 April.

i. Why did the British introduce the Rowlatt Act?
ii. Examine the effect of this Act on Indians.
iii. How did Mahatma Gandhi respond to the Rowlatt Act? Provide one reason for his reaction.

35 **Read the source given below and answer the questions that follow:** 1+1+2

Given the abundance and renewability of water, it is difficult to imagine that we may suffer from water scarcity. The moment we speak of water shortages; we immediately associate it with regions having low rainfall or those that are drought prone. We instantaneously visualise the deserts of Rajasthan and women balancing many 'matkas' (earthen pots) used for collecting and storing water and travelling long distances to get water. True, the availability of water resources varies over space and time, mainly due to the variations in seasonal and annual

precipitation, but water scarcity in most cases is caused by over-exploitation, excessive use and unequal access to water among different social groups**.**

i. Give any one reason that could contribute to water scarcity in the future?
ii. Why a resident of Rajasthan would choose to install a submersible water pump?
iii. Why is water conservation crucial? Discuss any one key for effective water management and conservation.

36 **Read the source given below and answer the questions that follow:** 1+2+1

HUMAN DEVELOPMENT REPORT Once it is realised that even though the level of income is important, yet it is an inadequate measure of the level of development, we begin to think of other criterion. There could be a long list of such criterion but then it would not be so useful. What we need is a small number of the most important things. Health and education indicators, such as the ones we used in comparison of Kerala and Punjab, are among them. Over the past decade or so, health and education indicators have come to be widely used along with income as a measure of development. For instance, Human Development Report published by UNDP compares countries based on the educational levels of the people, their health status and per capita income. It would be interesting to look at certain relevant data regarding India and its neighbours from Human Development Report 2006.

i. On what basis the UNDP compares countries on Human Development?
ii. Explain Human development briefly.
iii. Mention other aspects that should be considered in measuring human development.

SECTION F

MAP SKILL-BASED QUESTION (2+3=5)

37.a On the outline map of India locate and label of the following with suitable symbols. 1+1

A. Name the place where the Peasant Satyagraha took place
B. Name the place where the Indian National Congress session was held in Sept 1920.

37.b On the same outline map of India locate and label **any three** of the following with suitable symbols. 1+1 +1

i. A software Technology Park in Maharashtra.
ii. A coal mine in Jharkhand.
iii. The tallest dam in India.
iv. A seaport located in West Bengal.