

ST. PBN PUBLIC SCHOOL
HALF YEARLY EXAMINATION
CLASS – X
SUBJECT – ENGLISH
(SAMPLE PAPER)

TIME- 3 Hours

MM. 80

GENERAL INSTRUCTIONS:

1. ALL QUESTIONS ARE COMPULSORY.
2. FOLLOW THE INSTRUCTIONS GIVEN WITH ALL QUESTIONS.

Q1. Read the passage given below and answer the following questions: 10M

1. Among the natural resources which can be called upon in national plans for development, possibly the most important is human labour. Since the English language suffers from a certain weakness in its ability to describe groups composed of both male and female members, this is usually described as "manpower".

2. Without a productive labour force, including effective leadership and intelligent middle management, no amount of foreign assistance or of natural wealth can ensure successful development and modernization.

3. The manpower for development during the next quarter century will come from the world's present population of infants, children and adolescents. But we are not sure that they will be equal to task. Will they have the health, the education, the skills, the socio-cultural attitudes essential for the responsibilities of development?

4. For far too many of them the answer is no. The reason is basic. A child's most critical years, with regard to physical, intellectual, social, and emotional development, are those before he reaches five years of age. During those critical formative years he is cared for almost exclusively by his mother and in many parts of the world the mother may not have the capacity to raise a superior child. She is incapable of doing so by reason of her own poor health, her ignorance and her lack of status and recognition of social and legal rights, of economic parity of independence. One essential factor has been overlooked and ignored. The forgotten factor is the role of women. Development will be handicapped as long as women remain second class citizen, uneducated without any voice in family or community, decisions without legal or economic status, married when they are still practically children, and henceforth producing one baby after another, often to see half of them die before they are of school age.

5. We can enhance development by improving 'women power', by giving women the opportunity to develop themselves. Statistics show that the average family size increases in inverse ratio to the mother's years of education- is lowest among college graduates, highest among those with only primary school training, or no education. Malnutrition is most frequent in large families, and increases in frequency with each additional sibling. The principle seems established that an educated mother has

healthier and more intelligent children, and that is related to the fact that she has fewer children. The tendency of educated, upper class mothers to have fewer children operates even without access to contraceptive services.

6. The educational level of women is significant also because it has a direct influence upon their chances of employment, and the number of employed women in country's total labour force has a direct bearing on both the gross national product and disposable income of the individual family. Disposable income, especially in the hands of women, influences food purchasing and therefore the nutritional status of the family. The fact that the additional income derives from the paid employment of women provides a logical incentive to restrict the size of the family.

QUESTIONS:

1. Choose the most appropriate option:

(a) Among the natural resources which can be called upon in national plans for Development.....

- (i) The most important is certainly human labour.
- (ii) The most important is possibly human labour.
- (iii) The least developed is certainly human labour.
- (iv) The least developed is undoubtedly human labour.

(b) Without a productive labour force, including effective leadership and intelligent middle management.....

- (i) No productive work is possible.
- (ii) Entrepreneurs will incur heavy losses.
- (iii) Economic development will not keep pace with national movements.
- (iv) No amount of foreign assistance or of natural wealth can ensure successful development and modernization.

(c) Development will be handicapped as long as women remain.....

- (i) Second class citizen
- (ii) Third class citizen
- (iii) First class citizen
- (iv) Fourth class citizen

(d) Disposable income in the hands of women strengthen

- (i) Family bond
- (ii) Nutritional status of the family
- (iii) Spiritual status of the family
- (iv) None of these

e. Find a word in the passage (Para 5) which means 'Increase'

f. Find a word in the passage (Para 6) which means 'Important'

g. What will be the source of the manpower development during the next quarter century?

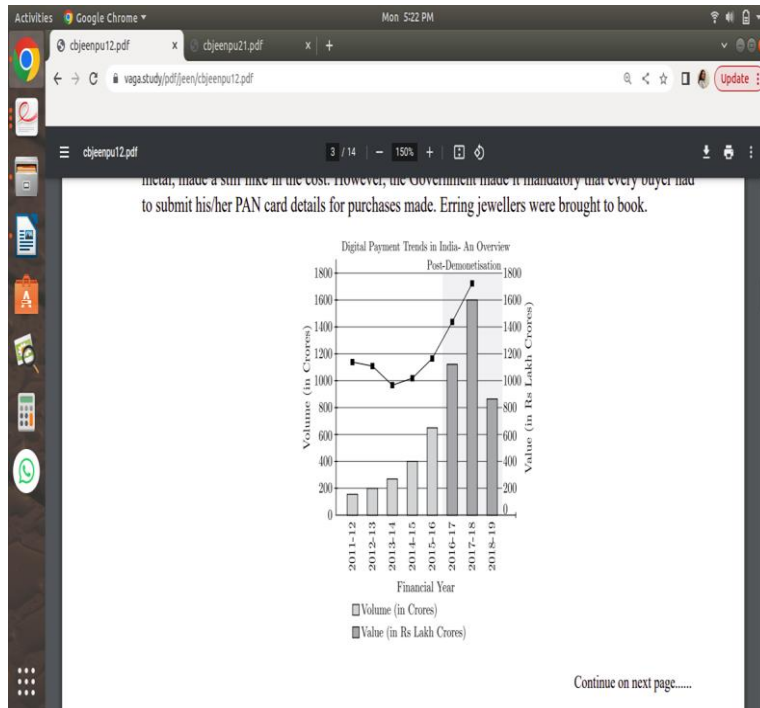
Q2. Read the passage given below and answer the following questions: 10M

1. Demonetisation refers to an economic policy where a certain currency unit ceases to be used as a legal tender. It occurs whenever there is a change in the national currency. The existing form or forms of money is pulled from circulation and retired, to be replaced with new notes or coins. Sometimes, a country completely replaces the old currency with new currency.

2. On 8 November, 2016, the Indian government decided to demonetize the 500 and 1000 rupee notes, the two biggest Demonetisation in its currency system. These notes accounted for 86% of the country's circulating cash. With little warning, India's Prime Minister Narendra Modi announced to the citizens that these notes would be rendered immediately ineffective with immediate effect. People were given time till the end of the year to deposit or exchange them for newly introduced 2000 rupee and 500 rupee notes.

3. The government's goal was to combat India's thriving underground economy on several fronts: eradicate counterfeit currency, fight tax evasion (only 1% of the population pays taxes), eliminate black money accumulated from money laundering and terrorist-financing activities, and to promote a cashless economy. Individuals and entities with huge sums of black money acquired from parallel cash systems were forced to take their large denomination notes to a bank, and account for them satisfactorily and submit proof if tax paid. If the owner could not provide proof of making any tax payments on the cash, a penalty of 200% on the tax due was imposed.

4. Demonetisation had a severe impact on the gold market. The extraordinary demand for the yellow metal, made a stiff hike in the cost. However, the Government made it mandatory that every buyer had to submit his/her PAN card details for purchases made. Erring jewelers were brought to book.



5. Many Indians switched to alternative payment methods. The biggest gainers were mobile wallet companies that offered easy transactions through a large network of partners. Alibaba-backed Paytm saw a sevenfold increase in overall traffic. Prepaid cash cards were another option that the customers found useful. Other alternatives were mobile payment systems linked to e-commerce businesses like Ola Money, Free Recharge, Flip kart Wallet.

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

i. Infer one reason for demonetization.

ii. Based on your understanding of the passage, choose the option that lists the objectives of demonetisation.

1. In demonetisation, the existing form of money is pulled from circulation to be replaced with new notes.
2. Demonetisation had a severe impact on the gold market.
3. Demonetisation eliminates black marketing.
4. Demonetisation eradicates money laundering.
5. Demonetisation helps to retain a cashless economy.

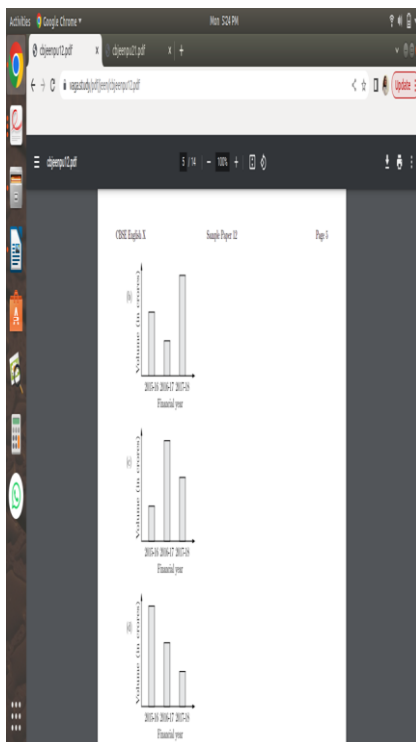
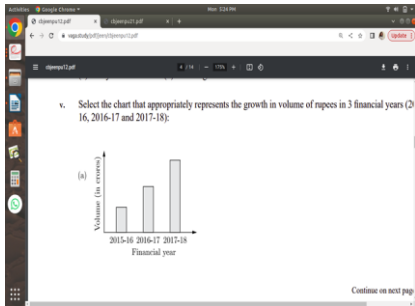
- (a) 1 and 5
- (b) 4 and 5
- (c) 2 and 4
- (d) 3 and 5

iii. Complete the following analogy correctly with a word from Paragraph 4.
awful : dreadful :: serious : _____ (Clue : Just like, awful is a synonym of dreadful, similarly serious is a synonym of...)

iv. Which of the following is not a mobile wallet company?

- (a) Freecharge
- (b) Ola Money
- (c) Paytm
- (d) Samsung

v. Select the chart that appropriately represents the growth in volume of rupees in 3 financial years (2015-16, 2016-17 and 2017-18):



vi. Fill in the blank by choosing the correct option. Government's goal was to eradicate _____.

- (a) Counterfeit currency
- (b) Black money
- (c) Both (a) and (b)
- (d) None of these

vii. Substitute the word 'combat' with one word similar in meaning in the following sentence from Paragraph 3.

The government's goal was to combat Indians thriving underground economy.

viii. List any two points on which the Indian Government thrive to combat underground economy.

1. _____
2. _____

ix. List one reason why the government decided to demonetise the 500 and 1000 rupee notes and not any other.

x. Select the option that titles paragraphs 3-4 appropriately, with reference to the information in the text.

(a) 1. Demonetise 500 and 1000 rupee notes

2. Newly-introduced 2000 rupee note

3. Severe impact on the gold market

(b) 1. Severe impact on the gold market

2. Combat underground economy

3. Eliminate black money

(c) 1. Alternative payment methods

2. Newly introduced 2000 rupee

3. Ola money

(d) 1. Flipkart wallet

2. Severe impact on the gold market

3. Free charge

Q3. You are Madhav /Madhu. You had purchased a TV set from a renowned showroom of your city. Write a letter of complaint about the poor service and rude behaviour of the technician who visited your residence for its installation in about 100-120 words. 5M

OR

You are Geetu a resident of Giani Nagar, Amritsar. You have just shifted to this new city and require a few furniture items and kitchen appliances for your house. Write a letter of order to Home and More, Mall road, Amritsar placing an order for the same.

Q4. Write a letter to the Editor of a newspaper highlighting the problem of traffic jam near Sheetla Mata Temple and suggesting some remedy for it. 5M

OR

Write a letter to the Editor of The Times Newspaper, highlighting increasing technological addiction among the youth.

Q5. Attempt ANY TEN of the following questions. 10M

i. Fill in the blank by choosing the correct option to complete the sentence.

The bridge is being _____ at the moment so it can't be used.

- (a) repaired
- (b) repairing
- (c) repair
- (d) repairs

ii. Read the conversation between Raman and Anitha. Complete the sentence by reporting Anitha's reply correctly.

Raman : What's the matter, Anitha?

Anitha : Oh, nothing. You cannot help me. I only want that blue umbrella.

Raman asked Anitha what the matter was. She replied that it was nothing and he could not help her as _____

iii. Select the correct option to fill in the blank for the given line.

_____ I suggest a slight change in your plan ?

- (a) May
- (b) Would
- (c) Must
- (d) Will

iv. Select the option that identifies the error and supplies the correction for the following line:

The people of India show remarkable unity at the time of Kargil Conflict.

Option No.	Error	Correction
(a)	time	times
(b)	conflict	conflicts
(c)	show	showed
(d)	the	a

v. Complete the given sentence, by filling in the blank with the correct option :

When I was a child, I _____ to school everyday instead of going by cycle.

- (a) walked
- (b) have been walking
- (c) had walked
- (d) have walked

vi. Fill in the blank by using the correct form of the word in the bracket.

Many a student _____ (try) hard to pass his entrance exam.

vii. Report the dialogue between Gardener and Dev, by completing the sentence:

Gardener: Did you water the plant today?

Dev: No, but I will, today.

Gardener: Then tomorrow I will get a sampling of sunflower.

The Gardener asked Dev if he had watered the plant that day. Dev replied negatively but said he would that day. Then the gardener said that _____

viii. Identify the error in the given sentence and supply the correction.

Diwali, well known as the festival of lights, is a festival that is celebrate in almost all parts of India. Use the given format for your response.

Error	Correction

ix. Transform the following direct speech into reported speech:

The beggar said to the old man, “Can you tell me the way to the nearest temple?”

x. Fill in the blank by choosing the correct option.

You have a large number of shirts. You _____ buy any more.

- (a) need not
- (b) can not
- (c) would not
- (d) should not

xi. Rohit and Rajat are discussing their plans for the weekend. Complete the dialogue below by choosing the correct option.

Rohit : How do you like the idea of going to the zoo?

Rajat : That sounds good, But I _____ my parent’s permission.

- (a) needs to take
- (b) need not to take
- (c) needs not to take
- (d) need to take

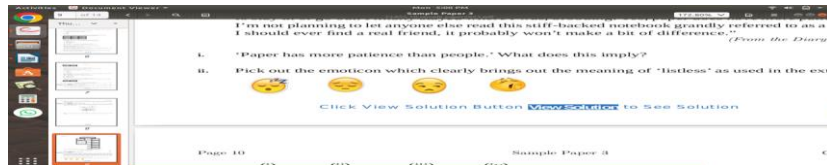
Q6. Attempt ANY ONE of two extracts given. 5M

“Paper has more patience than people’ I thought of this saying on one of those days when I was feeling a little depressed and was sitting at home with my chin in my hands, bored and listless, wondering whether to stay in or go out. I finally stayed where I was, brooding: Yes, paper does have more patience, and since I’m not planning to let anyone else read this stiff-backed notebook grandly referred to as a ‘diary’, unless I should

ever find a real friend, it probably won't make a bit of difference.”(From the Diary of Anne Frank)

i. ‘Paper has more patience than people.’ What does this imply?

ii. Pick out the emoticon which clearly brings out the meaning of ‘listless’ as used in the extract?



(i)

(ii)

(iii)

(iv)

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

iii. Infer one reason for the following, based on information in extract:

Anne doesn't plan to let anyone else read her diary.

iv. If the diary were a ‘real friend’, what qualities would Anne expect it to have? Pick the option that lists these correctly.

1. Optimistic
 2. Good listener
 3. Confidant
 4. Energetic
 5. Non-judgmental
 6. Outgoing
 7. Ambitious
- (a) 1 and 4
 - (b) 5, 6 and 7
 - (c) 2, 3 and 5
 - (d) 3 and 7

v. Pick out the sentence that brings out the meaning of ‘brooding’ as used in the extract?

- (a) The mysterious house on the hill is still brooding above the village.
- (b) The people at the stock market always keep brooding about the gains.
- (c) He was brooding over the matter and took a long time to decide.
- (d) Suspense and drama were brooding at the site of the investigation.

OR

I think he knew I made a little money this way but he did not seem to mind. Anil made money by fits and starts. He would borrow one week, lend the next. He kept worrying

about his next cheque, but as soon as it arrived, he would go out and celebrate. It seems he wrote for magazines - a queer way to make a living! (The Thief's Story)

i. Complete the following with a phrase from extract:

Opinion	Reason
_____	Anil received money intermittently.

ii. The information in the extract suggests that Anil could be a

- (a) salaried professional
- (b) freelancer
- (c) business man
- (d) volunteer

iii. Complete the following analogy correctly with a word/phrase from extract:

lose : find :: lend : _____

iv. The reference to making a little money 'this way' refers to a way that is viewed by most people as

- (a) sensible
- (b) inappropriate
- (c) charitable
- (d) Aggressive

v. Based on your understanding of Anil in the extract, choose the option that synchronizes with his thinking.

- (a) So what if I don't have much money? Giving it to that person is important as they could do with a helping hand.
- (b) I better learn how to protect my money. I think I'm being looted.
- (c) I earn money with such tremendous effort. Where does it all go?
- (d) When I become rich, I can begin to help friends then. Right now, I will spend only on myself.

Q7. Attempt ANY ONE of two extracts given. 5M

Some say the world will end in fire

Some say in ice.

From what I've tasted of desire

I hold with those who favour fire.

i. Which literary device has been used in 'I hold with those who favour fire'?

- (a) Simile
- (b) Assonance
- (c) Alliteration
- (d) Enjambment

ii. How many predictions does the poet make for the ending of the world?

iii. What does 'Fire' symbolize according to the poet?

- (a) Desire
- (b) Avarice
- (c) Greed
- (d) All of these

iv. State whether the following statement is TRUE or FALSE:

People think that the world is a beautiful place to live in.

v. What is the poet's opinion about the world?

- (a) The poet feels that a man should fulfill all his desires.
- (b) He thinks that we should control our growing desires.
- (c) He feels that we should live life to the full.
- (d) He says that one should live the life of an ascetic.

OR

The way a crow
Shook down on me
The dust of snow
From a hemlock tree
Has given my heart
A change of mood
And saved some part
Of a day I had rued.

i. Of the many symbols the hemlock tree represents, choose the one that Frost drew upon in all likelihood, for this poem.

- (a) Symbol of longevity
- (b) Symbol of togetherness
- (c) Symbol of healing
- (d) Symbol of protection

ii. Choose the option that lists the possible feelings of the poet prior to the experience shared in the poem.

- 1. reassured
- 2. disappointed
- 3. curious
- 4. demotivated
- 5. thankful
- 6. disheartened
- 7. impulsive

- (a) 1, 3 & 7
- (b) 2, 4 & 6

- (c) 5 & 7
- (d) 1 & 3

iii. Identify the option that does not use the word 'rue' correctly.

- (a) The film was a disaster and he rued his decision to act in it.
- (b) I am sure she rued the day she listened to a fortune-teller.
- (c) It wasn't long before I rued my disobedience and my deceit.
- (d) Others finally rue the one who is dishonest and heartless.

iv. Synecdoche is a poetic device that uses a part to represent the whole. E.g. That's a great set of wheels! (Set of wheels has been used for car.)

Give an example of synecdoche from the extract.

v. State whether the following statement is TRUE or FALSE:

Generally, hemlock tree and crow are used for negative references but the poet used them beautifully to portray that inauspicious things can bring joy and happiness too.

Q8. Answer ANY FOUR of the following in about 40-50 words each. 4x3=12M

- i. Why did Lencho's Happiness change into concern?
- ii. "The sight of the food maddened him." What does this suggest? What compelled the young seagull to finally fly?
- iii. Which is the natural habitat of a tiger? What differentiates a cage from his natural habitat?
- iv. Do you think it was wise for the narrator to take the risk of flying his old Dakota plane into the storm cloud?
- v. What is the central idea of the poem 'Dust of Snow'?

Q9. Answer ANY TWO of the following in about 40-50 words each. 2x3=6M

- i. How did Ausable be fool Max about the balcony?
- ii. Griffin's brilliance as a man of science fades before his darker traits. Comment.
- iii. Why does the doctor advise Mrs Pumphery to harden her heart?

Q10. Answer ANY ONE of the following in about 100-120 words. 6M

'Oppressor and the Oppressed are alike-They are not free. 'Explain (Nelson Mandela-Long Walk to Freedom)

OR

Based on your reading of the chapter, write a paragraph describing the people Coorg.

Q11. Answer ANY ONE of the following in about 100-120 words. 6M

'Values are caught not taught' explain with reference to Anil and the Thief.

OR

What did Griffin do before boarding a train to Iping?

सेंट पी० बी० एन० पब्लिक स्कूल

आदर्श प्रश्न - पत्र

कक्षा - दसवीं

विषय हिंदी

अ० अंक -80

समय -3 घण्टे

सामान्य निर्देश

- * इस प्रश्न में चार खंड हैं खंड क, , ग और घ
- * खंड क में वस्तुपरक, खंड ख में व्यावहारिक व्याकरण, खंड ग में पाठ्य पुस्तक एवं पूरक पाठ्य पुस्तक और खंड घ में रचनात्मक लेखन से प्रश्न पूछे गए हैं ।
- * दिए गए निर्देशों का पालन करते हुए प्रश्नों के उत्तर दें ।
- * शब्द सीमा का ध्यान रखें ।

खंड क (अपठित बोध)

प्रश्न- (1) निम्नलिखित गद्यांश को ध्यान पूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयुक्त उत्तर वाले विकल्प चुनकर लिखिए - (7)

भारत की जलवायु में काफी क्षेत्रीय विविधता पाई जाती है । संपूर्ण विश्व आज जिस बड़ी समस्या से जूझ रहा है, वह है - 'जलवायु परिवर्तन ' । जलवायु परिवर्तन आज एक ऐसी विश्व स्तरीय समस्या का रूप ले चुका है, इसके समाधान के लिए संपूर्ण विश्व को संयुक्त रूप से अंतरराष्ट्रीय स्तर पर सतत प्रयास करने की आवश्यकता है । सामान्य मौसमी अभिवृत्तियों में किसी विशेष स्थान पर होने वाले विशिष्ट परिवर्तन को ही जलवायु परिवर्तन कहते हैं । मौसम में अचानक परिवर्तन, फसल चक्र का परिवर्तन होना, वनस्पतियों की प्रजातियों का लुप्त होना, तापमान में वृद्धि , हिमनदों का पिघलना और समुद्र जलस्तर में लगातार वृद्धि ऐसे सूचक हैं जिसे जलवायु परिवर्तन की परिघटना का पता चलता है । हिमनदों का पिघलना जलवायु परिवर्तन का सबसे संवेदनशीलसूचक माना जाता है । पृथ्वी पर हिमनदों के लगातार कम होने

तथा उनके स्तर के नीचे खिसकने से समुद्र के जल स्तर में काफी वृद्धि हुई है । जलवायु परिवर्तन के पीछे कोई कारण नहीं है, किंतु वातावरण में ग्रीनहाउस गैसों की मात्रा के निरंतर बढ़ते रहने को इसका सबसे बड़ा कारण माना जाता है । पृथ्वी पर आने वाली सौर ऊर्जा की बड़ी मात्रा अवरक्त किरणों के रूप में पृथ्वी के वातावरण से बाहर जाती है । इस ऊर्जा की कुछ मात्रा ग्रीन हाउस गैसों द्वारा अवशोषित होकर पुनः पृथ्वी पर पहुंच जाती है , जिससे तापक्रम अनुकूल बना रहता है ग्रीन हाउस गैसों में मीथेन , कार्बन डाइऑक्साइड, नाइट्रस ऑक्साइड इत्यादि शामिल है । वातावरण में ग्रीनहाउस गैसों का होना अच्छा है, किंतु जब इनकी मात्रा बढ़ जाती है तो तापमान में वृद्धि होने लगती है इससे जो समस्या सामने आए हैं, उसे ' ग्लोबल वार्मिंग ' अर्थात वैश्विक ताप वृद्धि की संज्ञा दी गई है । वास्तव में, ग्लोबल वार्मिंग जलवायु परिवर्तन का ही एक रूप है ।

प्रश्न-1 निम्नलिखित में से प्रस्तुत गद्यांश का सर्वाधिक उपयुक्त शीर्षक क्या होगा ?

जलवायु परिवर्तन की समस्या

ग्रीनहाउस का प्रभाव

पृथ्वी का बढ़ता तापमान

हिमनदों का पिघलना

विकल्प 2

विकल्प 1

विकल्प 3

विकल्प 4

प्रश्न -2 गद्यांश में जलवायु परिवर्तन का सबसे संवेदनशील सूचक किसे माना जाता है ?

मौसम में परिवर्तन को

तापमान में वृद्धि को

हिमनदों के पिघलने को

समुद्र में जल स्तर के वृद्धि को

प्रश्न -3 वातावरण में ग्रीन हाउस गैसों की मात्रा बढ़ जाने के फलस्वरूप किसकी समस्या उत्पन्न होती है ?

तापमान में वृद्धि की

वैश्विक प्रदूषण की

वैश्विक ताप वृद्धि की

तापमान में कमी के

प्रश्न-4 समुद्र के जल स्तर में विधि होने का प्रमुख कारण बताइए । (2)

प्रश्न-5 जलवायु परिवर्तन से वैश्विक तापमान में वृद्धि होने से हमारे ऊपर क्या प्रभाव पड़ सकता है ?

(2)

प्रश्न (2) निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर इसके आधार पर सर्वाधिक उपयोग उत्तर वाले विकल्प चुनकर लिखिए - (7)

हर मनुष्य या समाज या राज्य के लिए कुछ गहराई का होना और कहीं न कहीं उसकी जड़ें होना आवश्यक है । जब तक उनकी जड़ें अतीत में न हो तब तक उनकी कोई गिनती नहीं होती है और अतीत आखिर पीढ़ियों के अनुभव और कई प्रकार की समझ बूझ का संचय है । आपके पास इसका होना जरूरी है वरना आप किसी दूसरी चीज की एक घटिया नकल मात्र रह जाएंगे और एक व्यक्ति या समूह के नाते आपको उसका कोई लाभ नहीं होगा दूसरी ओर यह भी है कि कोई केवल जड़ों तक सीमित नहीं रह सकता । जड़ों में भी अंकुर फूटकर जब तक ऊपर धूप और खुली हवा में नहीं आते तो जड़ें भी संकट में पड़ जाती हैं ।

सुसंस्कृत मन की जड़ें भले ही अपने अंदर ही हो लेकिन उसे अपने दरवाजे और खिड़कियां खुली रखनी चाहिए । उसमें दूसरे की दृष्टि को पूरी तरह समझने की क्षमता अवश्य होनी चाहिए । भले ही वह उसे हमेशा सहमत ना हो । सहमति और असहमति का सवाल तभी उठता है, जब आप किसी चीज को समझते हैं । अन्यथा यह आंखें बंद करके स्वीकार करना है, जिसे किसी भी चीज के बारे में सुसंस्कृत दृष्टि नहीं कहा जा सकता ।

1.हमारी जड़ों का अति से जुदा होना क्यों आवश्यक है ?

क्योंकि इससे समाज की पहचान होती है ।

इससे बताना मुश्किल है ।

क्योंकि इससे राज्य की पहचान होते हैं ।

क्योंकि इससे मनुष्य की पहचान होती है ।

विकल्प 1, 2, 3 सही है ।

विकल्प 1 सही है ।

विकल्प 3 सही है ।

विकल्प 4 सही है ।

कोई भी विकल्प सही नहीं है ।

प्रश्न-2 निम्नलिखित कथन 1,2 और कारण 1,2 को पढ़कर उपयुक्त विकल्प चुनिए कथन

1. यदि आप केवल जड़ों तक सीमित रहेंगे, तो जड़े भी संकट में पड़ सकती हैं।
2. सुसंस्कृत मन की जड़ें भले ही अपने अंदर ही हों, लेकिन उसे अपने दरवाजे और खिड़कियां खुली रखनी चाहिए।

कारण

1. जड़ों में अंकुर फूटकर ऊपर धूप और खुली हवा में नहीं आते, तो जड़े संकट में पड़ जाती हैं।
2. सुसंस्कृत दृष्टि के लिए दूसरों की दृष्टि को पूरी तरह समझने की क्षमता होनी चाहिए, भले ही सहमति न हो।

कथन और कारण का उत्तर निम्न विकल्पों में से किसी एक को चुनें :-

1. कथन और कारण सही हैं और कारण कथन को स्पष्ट करता है।
2. कथन सही है, लेकिन कारण गलत है।
3. कथन गलत है, लेकिन कारण सही है।
4. कथन और कारण दोनों गलत हैं ।

प्रश्न-3 लेखक के अनुसार अतीत के अंतर्गत क्या शामिल है ?

असहमति के तथ्य

जर्जर होती मान्यताएं

अपनी पुरानी पीढ़ी के अनुभव

प्रगति के प्रतिमान

प्रश्न 4 सहमति और असहमति का प्रश्न कब उठता है ?

प्रश्न 5 अतीत की आवश्यकता क्यों होती है ?

खंड का व्यावहारिक व्याकरण

प्रश्न (3) निर्देश अनुसार पदबंध पर आधारित पांच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए । (1*4=4)

अध्यापक ने गिरीश से पूछा क्या वह गृह कार्य पूर्ण करके आया है ? रेखांकित पद में कैसा पद बंध है ?

क्रूर से दिखाने वालों में कुछ सज्जन भी हो सकते हैं । रेखांकित पद में कैसा पदबंध है ?

भारत की राजधानी दिल्ली में एक करोड़ से ज्यादा लोग रहते हैं । रेखांकित वाक्य में कैसा पदबंध है ?

आसमान में तारे टिमटिम रहे हैं । वाक्य में कौन सा पदबंध है ?

मैं कल 4:00 बजे पहुंच जाऊंगा । मैं कौन सा पदबंध है ?

प्रश्न (4) निर्देश - अनुसार रचना के आधार पर वाक्य भेद पर आधारित पांच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए । (1x4 = 4)

सूरज उगते ही अंधकार दूर हो गया । वाक्य का मिश्र वाक्य रूपांतरण लिखिए ।

गाड़ी मिलते ही कोलकाता पहुंच जाऊंगी । मिश्र वाक्य बनाइए ।

राम ने ऐसी कहानी सुनाई की विजय रो पड़ा । वाक्य का संयुक्त वाक्य में क्या रूपांतरण है ?

टीवी के जिस मरीज ने दवा का पूरा कोर्स किया था वह, स्वस्थ हो गया । संयुक्त वाक्य में रूपांतरण कीजिए ।

आप खा कर आराम करें। वाक्य का कौन सा भेद है ?

प्रश्न 5 निर्देश -अनुसार समास पर आधारित पांच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए
। (1*4=4)

भाई - बहन में कौन सा समास है ?

दानपात्र शब्द के लिए समास का नाम बताएं।

कर्मधारय समास क्या है ? परिभाषा सहित सोदाहरण लिखे। नरेश की गाड़ी चौराहे से गुजरी में कौन सा समास है।

कारकीय चिन्हों के आधार पर तत्पुरुष समास के ----- भेद होते हैं।

बहुव्रीहि समास का परिभाषा साहित उदाहरण लिखें।

प्रश्न 6 निर्देशानुसार मुहावरे पर आधारित पांच प्रश्नों में से किन्हीं चार प्रश्नों के उत्तर दीजिए -
(1*4=4)

बहुत क्रोध करना। इस मुहावरे का वाक्य में प्रयोग।

मुझे-----मत समझो, मैं तुम्हारी हर चाल समझता हूँ। रिक्त स्थान के लिए उपयुक्त मुहावरे का चयन कीजिए।

आजकल परीक्षा भवन में बच्चे ----- नकल करने में कुशल हो गए हैं।

चुप हो जाना का अर्थ और वाक्य प्रयोग लिखिए।

हरिहर काका की संपत्ति पर उसके भाई----- जमाई बैठे थे।

खंड 'ग' पुस्तक एवं पूरक पुस्तक

प्रश्न 7 निम्नलिखित गद्यांश को पढ़कर प्रश्नों के सर्वाधिक उपयुक्त विकल्प का चयन कीजिए :- (5)

पशु पर्व में हृष्ट - पुष्ट पशुओं के प्रदर्शन के अतिरिक्त पशुओं से युवकों की शक्ति परीक्षा प्रतियोगिता भी होती है। वर्ष में एक बार सभी गांव के लोग हिस्सा लेते हैं। बाद में नृत्य संगीत और भोजन का भी आयोजन होता है। शाम से सभी लोग पासा में एकत्रित होने लगे। धीरे-धीरे विभिन्न कार्यक्रम शुरू हुए। ततारा का मन इन कार्यक्रमों में तनिक न था। उसकी

व्याकुल आंखें वामीरो को ढूंढने में व्यस्त थी । नारियल के झुंड के पेड़ के पीछे से उसे जैसे कोई झांकता दिखा । उसने थोड़ा और करीब जाकर पहचानने की चेष्टा की । वह वामीरो थी जो भयवश सामने आने में झिझक रही थी । उसकी आंखें तरल थी । होंठ कांप रहे थे । ततार्रा को देखते ही फूटकर रोने लगी । ततार्रा विह्वल हुआ । उससे कुछ बोलते ही नहीं नहीं बन पा रहा था । रोने की आवाज लगातार ऊंची होती जा रही थी । ततार्रा किंकर्तव्यविमूढ़ था । वामीरो के रुदन स्वरों को सुनकर उसकी मां वहां पहुंची और दोनों को देखकर आग बबूला हो उठी ।

प्रश्न -1 पशु पर्व में किस प्रकार के पशुओं का प्रदर्शन किया जाता था ?

जंगली पशु

कमजोर पशु

पालतू पशु

हृष्ट पुष्ट पशु

प्रश्न 2 कांप रहे थे से तात्पर्य है -

रोने को उत्सुक

सभी विकल्प सही है

आंतरिक विलाप

भयपूर्ण तथा रोने की स्थिति

प्रश्न 3 पशु-पर्व में हृष्ट पुष्ट पशुओं के प्रदर्शन के अतिरिक्त

पशुओं से युवकों को कौन सी परीक्षा प्रतियोगिता होती है

बौद्धिक परीक्षा

शक्ति परीक्षा

युद्ध

लॉजिकल परीक्षा

प्रश्न 4 वामीरो क्यों झिझक रही थी ?

भय के कारण सामने आने में

भोजन का आनंद न ले पाने में

पशुओं के प्रदर्शन को देखने में

कार्यक्रम में जाने से

प्रश्न 5 वामीरो की मां आग बबूला क्यों हो गई थी ?

वामीरो के जोर से रोने से

पशु पर्व का समापनदेखकर

वामीरो और तँतारा को एक साथ देकर

तँतारा की स्थिति को देखकर

प्रश्न-(8) निम्नलिखित दिए गए चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में लिखिए ।
(2*3=6)

बड़े भाई साहब कहानी का बड़ा भाई शिक्षा को 'रटंत - ज्ञान' और "बे सिर पैर की बातें" मानता था व्यावहारिक जीवन से कोई अर्थ नहीं । इस संदर्भ में आपका क्या विचार है ? तर्कपूर्ण उत्तर दीजिए ।

प्रेम रूढ़ियों का बंधन नहीं मानता 'तँतारा -वामीरो' कथा के आधार पर सिद्ध कीजिए ।

'तीसरी कसम एक कलात्मक फिल्म थी ।' इस कथन को 'तीसरी कसम के शिल्पकार शैलेन्द्र' पाठ के आधार पर स्पष्ट कीजिए ।

प्रकृति के साथ मानव के दुर्व्यवहार और उसके परिणामों को ' अब कहां दूसरों के दुख से दुखी होने वाले ' पाठ के आधार पर स्पष्ट कीजिए ।

प्रश्न 9 निम्नलिखित पद्यांश को पढ़कर प्रश्नों के सर्वाधिक उपयुक्त विकल्पों का चयन कीजिए :-
(1*5=5)

विचार लो की मर्त्य हो न मृत्यु से डरो कभी,

मरो परतुं यो 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 ।

प्रश्न-1 कवि ने किसकी मृत्यु को सुमृत्यु माना है ?

परोपकारी मनुष्य की

शिक्षित मनुष्य की

अमीर मनुष्य की

स्वार्थी मनुष्य की

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

केवल अपने लिए जीना

देश के लिए जीना

इनमें से कोई नहीं

दूसरों के लिए जीना

प्रश्न -3 “ मरा नहीं वही कि जो जिया न आपके लिए “ पंक्ति का क्या आशय है ?

जिसकी इच्छाएं कभी पूरी नहीं होती वह कभी नहीं मरता

जो अपने लिए जीता है वह कभी नहीं मरता

जो अपना जीवन परोपकार में लगा देता है वह कभी नहीं मरता

जो पशुओं की भांति जीता है वह कभी नहीं मरता

प्रश्न 4 अमर कौन हो जाता है ?

परोपकार करने वाला

तपस्या करने वाला

पशु के समान जीवन जीने वाला

राज करने वाला

प्रश्न 5 हमारा मरना और जिन का व्यर्थ है ?

धनी होने पर

सुमृत्यु होने पर

सुमृत्यु न होने पर

निर्धन होने पर

प्रश्न-10 निम्नलिखित दिए गए चार प्रश्नों में से किन्हीं तीन प्रश्नों के उत्तर लगभग 25 से 30 शब्दों में लिखिए । (2*3=6)

कबीर ने अपने दोहे में निंदक को समीप रखने की सलाह दी है। निंदक के प्रति सकारात्मक दृष्टिकोण रखते हुए उससे होने वाले लाभों के बारे में लिखिए ।

पर्वत प्रदेश में वर्षा ऋतु में प्राकृतिक सौंदर्य कई गुना बढ़ जाता है । परंतु पहाड़ों पर रहने वाले लोगों के दैनिक जीवन में क्या कठिनाई उत्पन्न होती है ? उनके विषय में लिखिए ।

मनुष्यता कविता कामूल भाव अपने शब्दों में समझाए ।

मीराबाई ने पद में हरि से पीड़ा हरने की विनती किस प्रकार की है ?

प्रश्न-11 निम्नलिखित प्रश्नों में से किन्हीं दो प्रश्नों के उत्तर लगभग 50 से 60 शब्दों में लिखिए । (3*2=6)

आपके पड़ोसी काका की स्थिति हरिहर काका से मिलते जुलते हैं आप उन्हें कैसे समझेंगे और मदद करेंगे ?

अनपढ़ होते हुए भी हरिहर काका दुनिया की बेहतर समझ रखते हैं कहानी के आधार पर स्पष्ट कीजिए ।

हरिहर काका पाठ से आज की युवा पीढ़ी को क्या प्रेरणा लेनी चाहिए ?

खड़ घ रचनात्मक लेखन

प्रश्न 12 निम्नलिखित में से किसी एक विषय पर दिए गए संकेत बिंदुओं के आधार पर लगभग 120 शब्दों में एक अनुच्छेद लिखें - (5*1=5)

विज्ञान और वैज्ञानिक

आवश्यकता

महत्व

भारत पर प्रभाव

युग परिवर्तन में लीडर

क्या है

क्यों

प्रभाव

मेरी बस यात्रा

क्या है

विस्तार

समापन

प्रश्न 13 आप रीमा / राजू हैं। अपने विद्यालय की विज्ञान प्रयोगशाला के लिए आधुनिक उपकरण मंगवाने के लिए प्रधानाचार्य को पत्र लिखिए जिससे विद्यार्थी विज्ञान के क्षेत्र में नए-नए प्रयोग कर सकें। (5*1=5)

(शब्द सीमा लगभग 100 शब्द)

अथवा

आप विजयवाड़ा के निवासी वैशाली/ विक्रम हैं । महिलाओं की सुरक्षा के प्रति सतर्कता और सावधानी बरतने हेतु सरकार और आम जनता के कर्तव्य और अधिकारों पर अपने विचार व्यक्त करते हुए किसी प्रतिष्ठित समाचार पत्र के संपादक को पत्र लिखिए ।

प्रश्न 14 निम्नलिखित में से किसी एक विषय पर 60 शब्दों में सूचना लिखिए :- (4*1=4)

1*आप अपने स्कूल के विद्यार्थी परिषद के खेल सचिव हैं । विद्यालय में होने वाले मैराथन दौड़ पर आयोजित होने वाले विभिन्न प्रतियोगिताओं के विषय में सभी विद्यार्थियों को जानकारी देने हेतु एक सूचना तैयार कीजिए ।

अथवा

2* केक्षेत्र में विभिन्न आयु-वर्ग वर्ष के बच्चों के लिए पुस्तक मेले का आयोजन किया जा रहा है । जनकल्याण संगठन का अध्यक्ष होने के नाते सभी क्षेत्रवासियों को इसकी जानकारी देते हुए सूचना लिखिए ।

प्रश्न 15 निम्नलिखित में से किसी एक विषय पर लगभग 40 शब्दों में विज्ञापन लिखिए ।

(3*1=3)

1* हाथ की घड़ी के लिए आकर्षक विज्ञापन 40 शब्दों में तैयार

कीजिए ।

अथवा

2* शिक्षण शिविर के प्रचार के लिए एक आकर्षक विज्ञापन तैयार कीजिए ।

प्रश्न (16) आप राधा /कौशिक है । गंदगी के कारण होने वाली समस्याओं की जानकारी देते हुए, नगर निगम अधिकारी को ईमेल लिखिए । शब्द सीमा लगभग 80 शब्द ()

अथवा

‘मोबाइल बहुत खतरनाक’ विषय पर लगभग 100 शब्दों में लघु कथा लिखिए । (5*1=5)

St. PBN PUBLIC SCHOOL
HALF YAERLY EXAMINATION
CLASS X
MATHEMATICS
SAMPLE PAPER

Time - 3 hours

M.M: 80

General Instructions:

- Section A consists of 20 questions of 1 mark each.
- Section B consists of 5 questions of 2 marks each.
- Section C consists of 6 questions of 3 marks each.
- Section D consists of 4 questions of 5 marks each.
- Section E has 3 case based integrated units of assessment (04 marks each) with sub parts of the value 1, 1 and 2 marks each respectively.

Section A

1. The decimal expansion of $\frac{21}{24}$ will terminate after how many places of decimal?
(i) 1 (iii) 3
(ii) 2 (iv) 4
2. If p, q are two prime numbers, then HCF(p, q) is
(i) 1 (iii) q
(ii) P (iv) pq
3. How many zeros can a polynomial of degree n have
(i) n+1 (iii) n
(ii) n-1 (iv) n²
4. If a and b are zeros of the polynomial $2-3x-x^2$ then a+b =
(i) 2 (iii) 1
(ii) 3 (iv) none of these
5. The value of k for which the pair of linear equations $4x-6y-1=0$ and $2x+ky-7=0$ represents parallel lines is
(i) k=3 (iii) k=4
(ii) k=2 (iv) k=-2
6. The pair of linear equations $3x-5y=7$ and $6x-10y=7$ has
(i) One solution (iii) infinitely many solutions
(ii) Two solution (iv) no solution
7. Which of the followings are not the sides of a right triangle
(i) 9 cm, 12 cm, 15 cm (iii) 400 mm, 300 mm, 500 mm

- (ii) 2 cm, 1 cm, $\sqrt{5}$ cm (iv) 7 cm, 5 cm, 7 cm
8. Two equilateral triangles are similar by
 (i) AAA similarity (iii) SAS similarity
 (ii) SSS similarity (iv) All
9. Which of the following is not defined?
 (i) $\sin 90^\circ$ (iii) $\cot 90^\circ$
 (ii) $\tan 0^\circ$ (iv) $\operatorname{cosec} 0^\circ$
10. If $\sin \theta = \frac{1}{2}$, then the value of $\sin \theta (\sin \theta - \operatorname{cosec} \theta)$ is
 (i) $\frac{3}{4}$ (iii) $\frac{\sqrt{3}}{2}$
 (ii) $\frac{-3}{4}$ (iv) $\frac{-\sqrt{3}}{2}$
11. If a is mode, b is mean and c is median of a given data then
 (i) $3c = a + 2b$ (iii) $3b = a + 2c$
 (ii) $3b = 2a + c$ (iv) $a = b + c$
12. The mean of 5 observations x, x+2, x+4, x+6 and x+8 is 11, then the value of x is
 (i) 4 (iii) 11
 (ii) 7 (iv) 6
13. The roots of the quadratic equation $2x^2 - x - 6 = 0$ are
 (i) $-2, \frac{3}{2}$ (iii) $2, \frac{-3}{2}$
 (ii) $2, \frac{3}{2}$ (iv) $-2, \frac{-3}{2}$
14. Values of k for which the quadratic equation $2x^2 - kx + k = 0$ has equal roots is
 (i) 0 only (iii) 8 only
 (ii) 4 (iv) 0, 8
15. Which term of AP: 2, -1, -4, ..., is -70
 (i) 15th (iii) 25th
 (ii) 18th (iv) 30th
16. If 4th and 8th of an AP are 11 and 23 respectively, then common difference is
 (i) 5 (iii) -6
 (ii) 4 (iv) 3
17. The number of tangents that can be drawn to a circle from a point inside the circle are
 (i) 1 (iii) none
 (ii) Infinite (iv) 2
18. The distance between two parallel tangents in a circle of radius 3.5 cm is:
 (i) 7 cm (iii) 3.5 cm
 (ii) 14 cm (iv) 1.75 cm

ASSERTION – REASON BASED QUESTIONS

In the following questions, a statement of Assertion (A) is followed by a statement of Reason(R).

Choose the correct answer out of the following choices.

- 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.

19. **Assertion (A):** The probability that a number selected at random from the number 1, 2, 3, ... , 15 is a multiple of 4 is $\frac{1}{3}$.

Reason(R): Two different coins are tossed simultaneously. The probability of getting at least one head is $\frac{3}{4}$.

20. **Assertion (A):** $\cot A$ is the product of \cot and A .

Reason(R): The value of $\sin A$ increases as A increases.

Section B

21. Prove that $\sqrt{2}$ is irrational.

22. Given that $\text{HCF}(306, 657)=9$, find $\text{LCM}(306, 657)$.

23. How many three digit numbers are divisible by 7?

Or

Find the 11th term from the last term of the AP: 10, 7, 4... -62.

24. Given $15\cot A=8$, find $\sec A$ and $\sin A$.

Or

If $\tan(A+B)=\sqrt{3}$ and $\tan(A-B)=\frac{1}{\sqrt{3}}$, $0^\circ < A+B \leq 90^\circ$; $A > B$, find A and B .

25. A tangent PQ at a point P of a circle of radius 5cm meets a line through the centre O at a point Q so that $OQ=12\text{cm}$. find the length of PQ.

Section C

26. Divide $3x^2 + x^2 + 2x + 5$ by $1 + 2x + x^2$.

Or

Find a quadratic polynomial, the sum and product of whose zeroes are 0, $\sqrt{5}$.

27. The diagonal of a rectangular field is 60 meters more than the shorter side. If the longer side is 30 meters more than the shorter side, find the sides of the field.

28. Find the sum of first 51 terms of an AP whose second and third terms are 14 and 18 respectively.

29. Two tangents TP and TQ are drawn to a circle with center O from an external point T. Prove that $\angle PTQ = 2\angle OPQ$.

Or

Two concentric circles are of radii 5 cm and 3 cm. Find the length of the chord of the larger circle which touches the smaller circle.

30. A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarized it in the table given below. Find the mode of the data:

No. of Cars	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	7	14	13	12	20	11	15	8

31. A box contains 90 discs which are numbered from 1 to 90. If one disc is drawn at random from the box, find the probability that it bears
- A two-digit number.
 - A perfect square number.
 - A number divisible by 5.

Section D

32. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours, it can go 40 km upstream and 55 km downstream. Determine the speed of the stream and that of the boat in still water.

Or

Yash scored 40 marks in a test, getting 3 marks for each right answer and losing 1 mark for each wrong answer. Had 4 marks been awarded for each correct answer and 2 marks been deducted for each incorrect answer, then Yash would have scored 50 marks. How many questions were there in the test?

33. The distribution below gives the weights of 30 students of a class. Find the mean and median weight of the students.

Weight (in Kg)	40-45	45-50	50-55	55-60	60-65	65-70	70-75
No. of students	2	5	x	12	17	20	y

34. Prove that

$$\frac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1} = \frac{1}{\sec\theta - \tan\theta}.$$

35. State and prove Basic proportionality theorem.

Section E

36. Case Study I:

John and Jivanti are playing with the marbles in the playground. They together have 45 marbles and John has 15 marbles more than Jivanti.

- How many marbles Jivanti had?

- ii) How many marbles John had?
- iii) If 45 is replaced by 55 in the above case discussed in the question, then find the number of marbles Jivanti have.

37. Case Study II:

Rahul and Ravi planned to play Business (board game) in which they were supposed to use two dice.

- i) Ravi got first chance to roll the dice. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is 8?
- ii) Rahul got next chance. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is 13?
- iii) Now it was Ravi's turn. He rolled the dice. What is the probability that he got the sum of the two numbers appearing on the top face of the dice is less than or equal to 12?

38. Case Study III:

To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B.



- i) What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B?
- ii) If the product of two positive integers is equal to the product of their HCF and LCM is true then, find the HCF (32, 36).
- iii) If p and q are positive integers such that $p = ab^2$ and $q = a^2b$, where a , b are prime numbers, then find the LCM (p, q) .

.....XXXXXXXX.....

ST. PBN PUBLIC SCHOOL
HALF YEARLY EXAMINATION
SCIENCE
SAMPLE PAPER

CLASS-X

TIME: 3 Hours.

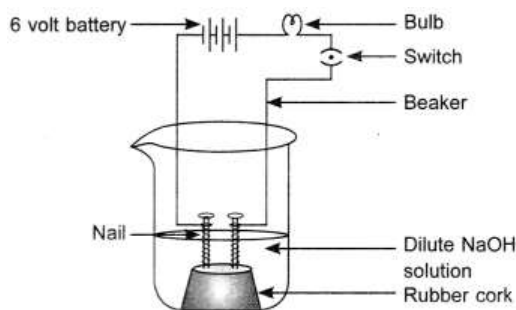
MM: 80

General Instructions:

1. This question paper consists of 39 questions in 5 sections.
2. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
3. Section A consists of 20 objective type questions carrying 1 mark each.
4. Section B consists of 6 Very Short questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.
5. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answers to these questions should be in the range of 50 to 80 words.
6. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
7. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.

SECTION-A

1. Respiration is an example of _____ Process
(a) Combination (b) Exothermic (c) Endothermic (d) Decomposition
2. The apparatus given in the adjoining figure was set up to demonstrate electrical conductivity.



Which of the following statement(s) is (are) correct? Bulb will not glow because electrolyte is not acidic.

- (i) Bulb will glow because HCL is a strong acid and furnishes ions for conduction.
- (ii) Bulb will not glow because circuit is incomplete.
- (iii) Bulb will not glow because it depends upon the type of electrolytic solution.

- (a) (i) and (iii) (b) (ii) and (iv) (c) (ii) only (d) (iv) only

3. Amongst the following metal which is the best conductor of electricity

- (a) Ag (b) Fe (c) Al (d) Au

4. In forming Oxygen molecules how many electrons are shared by each atom of Oxygen

- (a) Three (b) Two (c) One (d) None of these

5. The process of depositing a thin layer of Zinc an iron articles is called

- (a) Air (b) water (c) Galvanization (d) Rusting

6. Write the Chemical Formula of the Plaster of Paris

- (a) $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2 \text{O}$ (b) $\text{CaSO}_4 \cdot \frac{1}{3} \text{H}_2 \text{O}$ (c) $\text{CaSO}_4 \cdot \text{H}_2 \text{O}$ (d) $\text{CaSO}_4 \cdot \frac{1}{4} \text{H}_2 \text{O}$

7. Which of the following Compound can have a double bond?

- (a) C_4H_{10} (b) C_5H_8 (c) C_5H_{10} (d) none of these

8. Which statement shows the interaction of an abiotic component with a biotic component in an ecosystem?

- (a) A grasshopper feeding on a leaf
- (b) Rainwater running down into the lake
- (c) An earthworm making a burrow in the soil
- (d) A mouse fighting with another mouse for food

9. Which of the following are environment-friendly practices?

- (a) Carrying a cloth bag to put purchases while shopping.
- (b) Switching off unnecessary lights and fans
- (c) Walking to school instead of getting your mother to drop you on her scooter
- (d) All of the above

10. The amount of energy that flows from one trophic level to another in a food chain is

- (a) 5%
- (b) 10 %
- (c) 20 %
- (d) 15 %

11. What is the main significance of sustainable development?

- (a) To preserve the natural resources for the needs of the future generation
- (b) To exploit the available resource for rapid improvement
- (c) To increase the cost of available natural resources
- (d) To increase the reservoirs of natural resources

12. The most rapidly dwindling natural resource in the world is:

- (a) Water
- (b) Forest
- (c) Wind
- (d) Sunlight

13. Ohm's law is:

- (a) $V = IR$
- (b) $I = V/R$
- (c) $R = V/I$
- (d) All of these

14. The resistance of the conductor is 3W and the current passing through it is 3A. The potential difference will be:

- (a) 1V
- (b) 3V
- (c) 9V
- (d) 12V

15. Which of these practices will help to conserve the forest?

- (a) Practice of deforestation
- (b) Putting a ban on deforestation
- (c) An increase in the use of firewood by local people
- (d) An increase in the use of forest products by industries

16. In a food chain, the third trophic level is always occupied by

- a) Carnivores
- b) Herbivores
- c) Producers
- d) Decomposers

ASSERTION-REASONS (Q.NO. 17 to 20)

Directions: i) Both A and R are true and R is correct explanation of the assertion.

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

iii) A is true but R is false.

iv) A is false but R is true.

17. Assertion (A): Zinc can easily displace copper on reacting with a solution of copper sulphate.
Reason (R): Copper is more reactive metal as compared to Zinc.

18. Assertion (A): Polythene bags and plastic containers are non-biodegradable substances.
Reason (R): They can be broken down by microorganisms in natural simple harmless substances.

19 Assertion (A): When the resistances are connected end-to-end consecutively, they are said to be in series.
Reason (R): In case the total resistance is to be increased, then the individual resistances are connected in series

20. Assertion (A): The black soils are made up of extremely fine i.e., clayey material.
Reason (R): They are well known for their capacity to hold moisture.

Section-B

Question No. 21 to 26 are very short answer questions

21 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?

22. Explain with reason as to why the blue color of aqueous copper sulphate solution fades away slowly when an iron rod is dipped into it. Also mention the reaction involved.

23. What are trophic levels? Give an example of food chain and state the different trophic levels in it.

24. What is the role of decomposers in the ecosystem?

25. The far point of a myopic person is 80 cm in front of the eye. What is the nature and power of the lens required to correct the problem?

25. Why is a normal eye not able to see clearly the objects placed closer than 25 cm?

26. Why should we conserve forests and wildlife?

Section-C

Question No. 27 to 33 are short answer questions

27 Translate the following statements into chemical equations and balance them:

(i) Lead nitrate reacts with sulphuric acid to form a precipitate of lead sulphate and nitric acid. :

(ii) Magnesium burns in the presence of nitrogen to form magnesium nitride.

(iii) Aluminium metal strip is added in hydrochloric acid to produce aluminium chloride and hydrogen gas.

28 (i) Define 'roasting'.

(ii) Write a chemical equation to illustrate the use of aluminium for joining cracked railway lines.

(iii) Name the anode, the cathode and the electrolyte used in the electrolytic refining of impure copper.

29. What is an ecosystem? What do understand by abiotic and biotic component of environment?

30. (a) What is ozone?

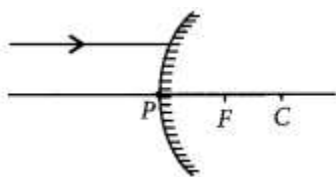
(b) In which layer of earth it is found?

(c) how does it affect any ecosystem?

31(a) Explain why the planets do not twinkle?

(b) Why does the sun appear reddish early in the morning?

32.(a) A ray of light is incident on a convex mirror as shown. Redraw the diagram and complete the path of this ray after reflection from the mirror. Mark angle of incidence and angle of reflection on it.



(b) 'The magnification produced by a spherical mirror is -3'. List four information's you obtain from this statement about the mirror/ image.

33.(a) Calculate the number of electrons constituting one coulomb of charge.

(b) On what factors does the resistance of a conductor depend?

OR

List the factors on which the resistance of a conductor in the shape of a wire depends.

Section-D

Question No. 34 to 36 are long answer questions.

34. A) Draw the structure for the following compounds:

i.) Ethanoic acid

ii) Bromopentane

B) When ethanol reacts with ethanoic acid in the presence of cone. H_2SO_4 , a substance with fruity smell is produced. Answer the following:

(i) State the class of compounds to which the fruity smelling compounds belong. Write the chemical equation for the reaction and write the chemical name of the product formed.

(ii) State the role of cone. H_2SO_4 in this reaction. (2+3)

35. How can you as an individual contribute or make a difference to the management of

(a) forests and wildlife, (b) water resources and (c) coal and petroleum?

36. (a) An electric lamp of 100Ω , a toaster of resistance 50Ω , and a water filter of resistance 500Ω are connected in parallel to a $220 V$ source. What is the resistance of an electric iron connected to the same source that takes as much current as all three appliances, and what is the current through it?

(b) What is (i) the highest, (ii) the lowest total resistance that can be secured by combinations of four coils of resistance 4Ω , 8Ω , 12Ω , 24Ω ?

(c) Why does the cord of an electric heater not glow while the heating element does? (2+2+1)

SECTION - E

Question No. 37 to 39 are case-based/data -based questions with 2 to 3 short sub-parts. Internal choice is provided in one of these sub-parts.

37. Ores mined from the earth are usually contaminated with large amounts of impurities such as soil, sand, etc., called gangue. The impurities must be removed from the ore prior to the extraction of the metal. The processes several steps are involved in the extraction of pure metal from ores. Metals and Non-metals used for removing the gangue from the ore are based on the differences between the physical or chemical properties of the gangue and the ore. Different separation techniques are accordingly employed.

i) What are the process for the extraction of metals of low reactivity series?

ii) What is meant by Roasting?

iii) What is another name for HgS an ore of mercury?

iv) In which form does metals of low activity series occur in the earth crust?

38. The issues involved in the conservation and sustainable use of resources like forests, wild-life and water. These can meet our needs perpetually if we were to use them in a sustainable manner. Now we come to yet another important resource – fossil fuels, that is, coal and petroleum, which are important sources of energy for us. Since the industrial revolution, we have been using increasing amounts of energy to meet our basic needs and for the manufacture of a large number of goods upon which our lives depend. These energy needs have been largely met by the reserves of coal and petroleum.

i) How does coal and petroleum are formed?

ii) What are the effects of using coal on our environment?

iii) When does carbon monoxide is formed?

iv) Which one is highly poisonous CO & CO_2 ? Why?

39. The lenses form different types of images when an object is placed at different locations. When a ray is incident parallel to the principal axis, then after refraction, it passes through the focus or appears to come from the focus. When a ray goes through the optical center of the lens, it passes without any deviation. If the object is placed between the focus and optical center of the convex lens, an erect and magnified image is formed. As the object is brought closer to the convex lens from infinity to focus, the image moves away from the convex lens from focus to infinity. Also, the size of the image goes on increasing and the image is always real and inverted. A concave lens always gives a virtual, erect, and diminished image irrespective of the position of the object.

(i) The location of the image formed by a convex lens when the object is placed at infinity is

- (a) at focus
- (b) at $2F$
- (c) at optical center
- (d) between F and $2F$

(ii) When the object is placed at the focus of a concave lens, the image formed is

- (a) real and smaller
- (b) virtual and inverted
- (c) virtual and smaller
- (d) real and erect

(iii) The size of the image formed by a convex lens when the object is placed at the focus of a convex lens is

- (a) small
- (b) point in size
- (c) highly magnified
- (d) same as that of the object

(iv) When the object is placed at $2F$ in front of a convex lens, the location of the image is

- (a) at F
- (b) at $2F$ on the other side
- (c) at infinity
- (d) between F and optical center

(v) At which location of the object in front of a concave lens, the image between the focus and optical center is formed

- (a) anywhere between center and infinity
- (b) at F
- (c) at $2F$
- (d) infinity

9. Which type of government system is there in India?
A. Unitary B. Centralised C. Federal D. None of these
10. At least _____ Seats are reserved for women in local government.
A. One Third B. More than Half C. Two third D. None of these
11. 22 Languages are included in the _____ schedule of the Indian Constitution.
A. Seventh B. Eight C. Sixth D. Twelfth
12. Which among the following state/states has been provided special provisions under Article 371?
A. Assam B. Arunachal Pradesh C. Nagaland D. All of the above
13. Which language is being mainly spoken in Vallonia region?
A. German B. French C. Sinhala D. Dutch
14. Which among the following countries does not have vertical distribution of powers?
A. India B. Sri Lanka C. Belgium D. None of these
15. One basic principle of democracy is that are the source of all political powers.
A. People B. Leader C. Administrative Officers D. Governor
16. Different people can have different as well as _____ notions of a country's development.
17. In which of the following systems exchange of goods is done without use of money?
(a) Credit system (b) Barter system
(c) Banking system (d) Collateral system
18. Kerala has low infant mortality rate. (True/ False)
19. Find the odd one out from the following options:
(a) Tourist guide (b) Dhobi
(c) Tailor (d) Potter
20. Assertion (A): No individual in India can legally refuse a payment made in rupee.
Reason (R): The Indian law legalises the use of rupee as a medium of payment.
- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true, but R is not the correct explanation of A.
(c) A is correct, but R is wrong.
(d) A is wrong, but R is correct.

SECTION B VERY SHORT ANSWER QUESTIONS (2X4=8)

- 21 Describe the role of Otto von Bismark in the unification of Germany.
22 Mention the provisions that constitute India into a secular country.
23 Discuss the major threat to forest and wild life resources in India.

OR

Mention any two local communities who have played the role in conservation of forests and wild life.

24. Mention the negative effect of over irrigation?

SECTION C SHORT ANSWER BASED QUESTIONS

(3X5=15)

25. What was the impact of First World War on India? Explain.

OR

How did the Indian merchants and industrialists relate themselves to the Civil Disobedience Movement? Explain.

26. Examine the factors that influence the distribution land use pattern in India.
27. Differentiate between democratic and non-democratic government.

28. How do we include various goods and services for calculating Gross Domestic product (GDP) of a country?

OR

Development for one may be the destruction for other. Do you agree with the statement? Justify your

29. What are the various social indicators of development?

SECTION D LONG ANSWER BASED QUESTIONS (5X4=20)

30. What were the main ideas of Giuseppe Mazzini? How did they contribute to the unification of Germany?

31. Write four major reasons for the depletion of forest cover.

OR

What is water scarcity? Write the quantitative reasons for water scarcity.

32. Describe the challenges political parties face in India.

OR

Describe the necessity or utility of political parties in democratic countries.

33. Why is it necessary that banks and cooperatives increase their lending in rural areas? Explain.

OR

Describe the bad effects of informal sources of credit on borrowers.

SECTION-E CASE BASED QUESTIONS (4x3=12)

34. Read the passage below and answer the following questions:

(4)

A farmer sells wheat to a flourmill for ₹ 8 per kg. The mill grinds the wheat and sells the flour to a biscuit company for ₹ 10 per kg. The biscuit company uses the flour and things such as sugar and oil to make four packets of biscuits. It sells biscuits in the market to the consumers for ₹ 60 (₹ 15 per packet). Biscuits are the final goods, i.e., goods that reach the consumers.

(i) Name the intermediary goods in this example.

- (a) Wheat (b) Sugar
(c) Biscuit (d) Only wheat and sugar

(ii) How much profit the flour mill has made?

- (a) ₹ 2 (b) ₹ 2 per kg
(c) ₹ 7 kg (d) No profit

(iii) Why intermediary goods should not be included in calculation of total production of a year?

- (a) The value of final goods already includes the value of all intermediate goods.
(b) The value of final goods only includes the value of some goods.
(c) The value of initial good has already been included in the value of final good.
(d) Only (a) and (c).

(iv) Name the final good in this example.

- (a) Biscuit (b) Wheat
(c) Sugar (d) All of the above

35. Read the given extract and answer following questions -

Let us think in terms of costs. Imagine a government that may take decisions very fast. But it may take decisions that are not accepted by the people and may therefore face problems. In contrast, the democratic government will take more time to follow procedures before arriving at a decision. But because it has followed procedures, its decisions may be both more acceptable to the people and more effective. So, a citizen who wants to know if a decision was taken through the correct procedures can find this out.

She has the right and the means to examine the process of decision making. This is known as transparency. This factor is often missing from a non-democratic government. Therefore, when we are trying to find out the outcomes of democracy, it is right to expect democracy to produce a government that follows procedures and is accountable to the people.

- (i) Why the decision taken by a democratic government is more acceptable? 1
(ii) Which factor is often missing from a non-democratic government? 1
To what extent democracy is transparent? Give reasons. 2

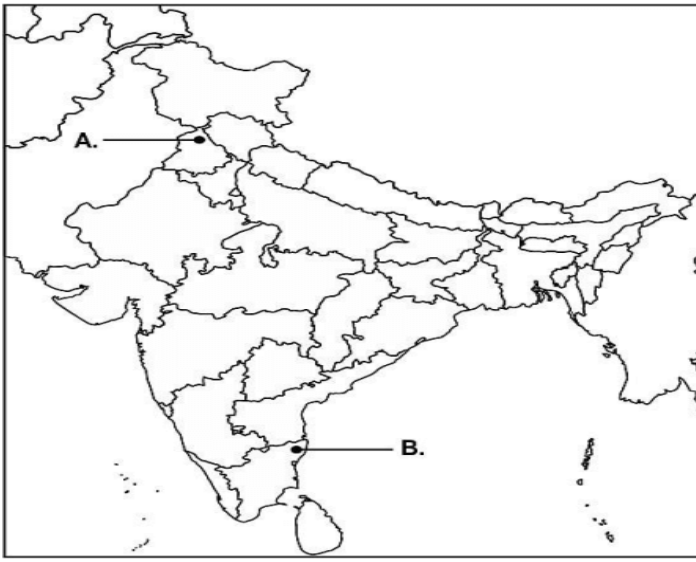
36. Read the given extract and answer following questions.

The Jats of Uttar Pradesh – were active in the movement. Being producers of commercial crops, they were very hard hit by the trade depression and falling prices. As their cash income disappeared, they found it impossible to pay the government’s revenue demand. And the refusal of the government to reduce the revenue demand led to widespread resentment. These rich peasants became enthusiastic supporters of the Civil Disobedience Movement, organising their communities, and at times forcing reluctant members, to participate in the boycott programmes. For them the fight for swaraj was a struggle against high revenues. But they were deeply disappointed when the movement was called off in 1931 without the revenue rates being revised. So when the movement was restarted in 1932, many of them refused to participate. The poorer peasantry were not just interested in the lowering of the revenue demand. Many of them were small tenants cultivating land they had rented from landlords. As the Depression continued and cash incomes dwindled, the small tenants found it difficult to pay their rent. They wanted the unpaid rent to the landlord to be remitted. They joined a variety of radical movements, often led by Socialists and Communists. Apprehensive of raising issues that might upset the rich peasants and landlords, the Congress was unwilling to support ‘no rent’ campaigns in most places. So the relationship between the poor peasants and the Congress remained uncertain

- 1.. Patidars and Jats are rich Peasants of which State? 1
2. What was the main demand of poor peasants? 1
3. Among the following groups which group actively participated in the Civil Disobedience Movement? 1
4. Which groups joined in radical movements led by socialist and Communists? 1

Section F – Map Skill Based Question

Q37: (a) Two places A and B have been marked on the given outline map of India. Identify them and write their correct names on the lines drawn near them.



- i. The place where the Jallianwala Bagh massacre took place
 - ii. The 1927 Indian National Congress session was held at this place
- 37 b. On the same map of India, locate and label the following with suitable symbols.
- i) a dam built on the river Sutlej.
 - ii) tea growing region
 - iii) sugar cane growing region

St. PBN PUBLIC SCHOOL
HALF YEARLY EXAMINATION 2024
CLASS X
INFORMATION TECHNOLOGY
(SUBJECT CODE-402)
SAMPLE PAPER

Time: 2 Hours

M.M:50

NAME: _____

DATE: _____

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully.
2. This Question Paper consists of **21 questions** in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.**
5. All questions of a particular section must be attempted in the correct order.

6. SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):

- i. This section has 05 questions.
- ii. Marks allotted are mentioned against each question/part.
- iii. There is no negative marking.
- iv. Do as per the instructions given.

7. SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):

- i. This section has 16 questions.
- ii. A candidate has to do 10 questions.
- iii. Do as per the instructions given.
- iv. Marks allotted are mentioned against each question/part.

SECTION- A

Q1. Answer any 4 out of the given 6 questions on Employability Skills

(1 x 4 = 4)

- i. The Cleaning of software installed in the computer can be achieved by.....
 - (a) Disk Clean-up
 - (b) Backup
 - (c) Cleaning CPU Cabinet
 - (d) cleaning the monitor
- ii. Kritika gets up early morning and studies for her classes. Then she comes home, goes for her dance class and finishes her home-work before going to school. She does this all by herself. No one tells her to do it. This is which type of motivation?
 - (a) Extrinsic motivation
 - (b) Intrinsic motivation
 - (c) Trait motivation
 - (d) State motivation

- iii. _____ are too focused on what others think and fail to focus on what matters to them.
- (a) Introspector (b) Seekers
(c) Pleasers (d) Believers
- iv. _____ should be done to organise the disk space and increase the speed of computer.
- (a) Fragmentation (b) Disk - Defragmentation
(c) Allocation (d) Disk Utilisation
- v. 'An entrepreneur has to get the work done through others'. Which characteristic of entrepreneur does this statement depict?
- (a) Motivator (b) Organiser
(c) Innovator (d) Risk- taker
- vi. Entrepreneurship is a good option for.....
- (a) A career choice (b) Making quick money
(c) Doing charity (d) Improving skills

Q2. Answer any 5 out of the given 6 questions

(1 x 5 = 5)

- i. The..... mode allows you to apply a style to many different areas quickly
- (a) File Format (b) File Handling
(c) Fill Format (d) Fill Handle
- ii. Which effect inverts the colour values of a coloured image or the brightness values of a grayscale image?
- (a) Invert (b) Sharpen
(c) Smooth (d) Remove Noise
- iii. Which of these is type of data base; can you retrieve the data from related tables?
- (a) Database Management system (b) Relationship database management system
(c) Flat file Database (d) Big file Database
- iv. The command is used to record the changes made by multiple made by multiple users in a spread sheet for later review.
- (a) Edit>changes>record (b) Edit>Track>Changes
(c) Edit>Changes>track (d) Edit>Record>Changes
- v. Which of the following is an example of absolute hyperlink?
- (a) \capture.jpg (b) <https://kips.in/index.php/books>

(c) C:\\ Capture.jpg

(d) D://Image.png

vi. Identify the type of hyperlink given : <http://www.mysite.com/help/articles/how-do-i-set-up-a-webpage.html>

(a) Absolute Hyperlink

(b) Relative Hyperlink

(c) Both a & b

(d) None of these

Q3. Answer any 5 out of the given 6 questions

(1 x 5 = 5)

i. Which feature of spread sheet allows a user to use the desired result of the formula to find the possible input value, necessary to achieve the result?

(a) Solver

(b) Filter

(c) Goal Seek

(d) Consolidate

ii. Raghav wants to store a huge amount of information about his firm in a database. Which type of table organization would be most suitable for this purpose?

(a) Relational

(b) Flat File

(c) Hierarchical

(d) Both (a) & (b)

iii. Which menu includes Template option in OpenOffice Writer?

(a) File

(b) Insert

(c) View

(d) Tools

iv. Which program is used for fast and accurate calculations as well as formatting of data in a document?

(a) Calc

(b) Base

(c) Writer

(d) Impress

v. _____ means combining multiple objects in a group.

(a) Growing Object

(b) Combing

(c) Grouping Object

(d) None of these

vi- The..... features used to combine a data source with the main document

(a) Labels

(b) Letters

(c) Mail Merge

(d) Mailing

Q4. Answer any 5 out of the given 6 questions

(1 x 5 = 5)

i. _____ refers to reference point for the images.

(a) Text wrapping

(b) Anchoring

(c) Grouping

(d) Arrangement

- ii.** Avika wants to use Goal seek feature for her father's shop. She wants to set target. Where she can she fills her target?
 (a) Values in Formula Cell (b) Values in Variable Cell
 (c) Data in Target Value (d) None of these
- iii.** Name the relationship exist when a record in a table can have only one matching record in another table and vice versa.
 (a) one – to – one (b) one – to – many
 (c) Many – to – many (d) none of these
- iv.** Which of the following wizard opens when you launch open office on your computer?
 (a) Table Wizard (b) Database wizard
 (c) Base Wizard (d) Data wizard
- v.** To re-enable the default template of OpenOffice Writer. File →Template → _____. The template management dialog box appears.
 (a) Optimize (b) Optimal
 (c) Organise (d) Objective
- vi.** The Refers to a cell or a range of cells on a worksheet and can be used to find the values or data you want formula to calculate.
 (a) Row (b) Column
 (c) Auto sum (d) Cell Reference

Q5. Answer any 5 out of the given 6 questions

(1 x 5 = 5)

- i.** By default the length of var char data type is _____.
 (a) 20 (b) 30
 (c) 40 (d) 50
- ii.** In Open Office Calc, we can consolidate data by _____.
 (a) row label (b) column label
 (c) Both a & b (d) none of these
- iii.** You can copy styles by loading them from a template or another document by clicking on option:
 (a) New Style from selection (b) Update Style
 (c) Load Style (d) No such option
- iv.** In OpenOffice Calc, if you select _____ then any value modified in the source range is automatically updated in the Target range.
 (a) Link to source data (b) link to sheet data
 (c) Link to original data (d) link to source range

- v. In OpenOffice Writer, to resize any drawing object proportionally, which option needs to be clicked?
- (a) Proportion (b) Resize handle
(c) Keep ratio (d) none of these
- vi. The SQL command is used to create a table in the database.
- (a) CREATE (b) INSERT TABLE
(c) CREATE TABLE (d) DESIGN TABLE

SECTION B

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6)

Answer each question in 20 – 30 words.

- Q6. What are the key factors of effective communication?
- Q7. What is the 7 C's of communication?
- Q8. According to you, what are the most important qualities to become a successful entrepreneur?
- Q9. What is a purpose of File Explorer?
- Q10. What is Self Awareness and self-regulation. Give benefit of each of them.

Answer any 4 out of the given 6 questions in 20 – 30 words each (2 x 4 = 8)

- Q11. Mention different style categories available in Writer.
- Q12. Write the syntax to define a macro as a function. Also give example.
- Q13. How do you add comments into a sharable spread sheet in Calc.?
- Q14. Distinguish between primary key and foreign key.
- Q15. Distinguish between static report and dynamic report.
- Q16. "Referential Integrity ensures the accuracy and consistency of data within the table". Justify

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12)

- Q17.a) Distinguish between RDBMS and DBMS.
- b) What are Record, field and tuple? (2+2)
- Q18. Explain the following terms with respect to positioning the graphics in a document:
- a) Macro
b) Text wrapping (2+2)
- Q19. What are the 'What-if Analysis' tools used in a spread sheet? Explain them briefly. (4)
- Q20. Write SQL commands on the basis of table SHOP.

S_No	Prd_Name	Cmp_Name	Qty	Cost	City
S1	SALT	TATA	120	12.00	Delhi
S2	OIL	ADANI WILER	200	25.00	Mumbai
S3	Chocolate	Cadbury	350	40.00	Mumbai

S4	Sauce	Heinz	400	45.00	Chennai
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- a) Identify the Primary key in given table.
- b) Display all the products whose quantity is more than 200
- c) Display S_No, P_Name, Qty in descending order of quantity from SHOP table.
- d) Display the product names which are available in 'Delhi' city.

(1+1+1+1)

Q21. Distinguish between DDL and DML commands of SQL. Discuss any two DDL and DML command with their syntax. (4)