

SHIKSHA NIKETAN SR. SEC SCHOOL



**RECOGNISED BY J&K UT.
AFFILIATED TO J&K BOSE**

**WEBSITE : WWW.SHIKSHANIKETANJK.IN
E-MAIL : SHIKSHA.NIKETAN07@GMAIL.COM**

HOLIDAYS HOMEWORK CLASS :10TH

"To seize tomorrow's opportunities, start preparing today. Do your homework, invest in learning, refine your skills, and focus on personal growth. Success is built on the foundation of consistent effort and self-improvement. The actions you take today will shape the future you desire. Stay disciplined, stay curious, and never stop evolving."

Dear Parents,

Winter is a season of warmth, reflection, and preparation. As the chill sets in, it is also the time for our students to balance relaxation with constructive academic engagement. To make the best use of this time, we have designed meaningful sample papers for the students. These assignments will help them reinforce their learning, assess their progress, and strengthen their conceptual clarity, preparing them well for the upcoming examinations.

The winter holidays are scheduled from December 26, 2024, to January 4, 2025. During this period, we encourage students to manage their time wisely, combining both study and recreation to maintain a productive and refreshed state of mind.

The submission of holiday assignments is mandatory and must be completed with utmost sincerity. Kindly ensure that your child submits their completed work to the class teacher on January 4, 2025, between 9:30 AM and 10:00 AM. Entry and exit will be from Gate No. 5.

General Guidelines for Assignments:

- 1. Use separate notebooks for each subject to complete the assignments.**
- 2. Maintain neatness and accuracy in your work, avoiding unnecessary cutting and overwriting.**
- 3. All diagrams must be drawn neatly using a pencil.**
- 4. Complete the assignments independently, without relying on resource books or external help.**

5. Treat these papers as a means of practice to enhance your performance in the upcoming exams.

6. Allocate time effectively to ensure a balance between studies and relaxation.

7. Carefully read all NCERT chapters related to the assignments for a deeper understanding.

8. Seek assistance only from parents or guardians if required, but ensure that the work is primarily your own effort.

Special Note: Holiday homework submissions will strictly not be accepted after the deadline.

Suggestions for Parents:

Encourage your child to dedicate a set number of hours daily to academics while also allowing time for relaxation and hobbies.

Monitor their progress and guide them in organizing their work efficiently.

Motivate them to read books, explore new ideas, and engage in productive activities beyond the assigned work.

We believe that these assignments will serve as a stepping stone for the students to excel in their academics while nurturing self-discipline and time management skills.

Wishing you and your family a joyous and cozy winter break!

Enjoy



WINTER

BREAK

Warm Regards,
High Wing Incharge

SHIKSHA NIKETAN SENIOR SEC.SCHOOL

Session-2024-2025

WINTER VACATION HOMEWORK

Class-10th

Subject-English

M.M-80

General Instructions

*All questions are compulsory.

*Write neat and clean.

Section- A (Reading comprehension)

Q.1.Read the extract from the poem and answer the questions that follows:

(1X5=5 Marks)

Belinda lived in a little white house
With a little black kitten and a little grey mouse,
And a little yellow dog and a little red wagon,
And a realio, trulio, little pet dragon.
Now the name of the little black kitten was Ink,
And the little grey mouse,
she called him Blink,
And the little yellow dog was sharp as Mustard,
But the dragon was a coward, and she called him Custard.
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.

Questions:

- Who were Belinda's companions?
- Who is called Ink and Blink in the poem?
- Match the correct combination
 - underneath-above
 - coward-fearful
 - fireplace-gateway
 - All
- The poet compares the nose of a Dragon to a _____
- The rhyme scheme of the poem is
 - aabb
 - abab
 - abba
 - None

Q.2.Read the extract and answer the following questions:(1×5=5)

1. A group of youths from Peddapuram town in Andhra Pradesh's East Godavari district launched a social media group named 'Mana Peddapuram' (Our Peddapuram) a few years ago. The group was formed to discuss issues affecting the town and to take action on them.



Edit with WPS Office

A few months ago, Naresh Pedireddi, the driving force behind the group, introduced the 'rice-for-plastic' initiative. This initiative aimed to encourage people to exchange their non-biodegradable waste in significant numbers. "Our slogan was 'Avoid Plastic-Avoid Hunger'. The goal was to eliminate plastic while also feeding the hungry," explains Pedireddi, an entrepreneur based in Peddapuram.

2. The program commenced on Mahatma Gandhi's 150th birth anniversary, October 2. Within a few days, the group collected approximately 400 kilograms of plastic, and an equal amount of rice and other items were distributed during the drive. Now, they plan to conduct this initiative every Sunday.

3. "The collected plastic was handed over to the local municipality office. They have promised to recycle it," Pedireddi notes.

4. For a town with a population of about 70,000, the amount of plastic collected through these drives might seem minimal. However, the group is committed to continuing its efforts to raise environmental awareness among the town's residents.

5. "What's most gratifying about this drive is that it has inspired similar initiatives in other towns within the district," Pedireddi shares.

6. Mana Peddapuram, in addition to addressing civic issues like cleanliness, deforestation, and cultural events, has also conducted campaigns to spread awareness about blood donation and organ pledging.

7. The group asserts that funding is not an issue, as Peddapuram's residents are generous in donating money for worthy causes.

8. "Our group comprises hundreds of young people, and we are eager to tackle many more issues in the coming months and years," Pedireddi states. It is hopeful to see more such enthusiastic youth organizations dedicated to nation-building.

Question-1: What does the passage suggest about the impact of 'Mana Peddapuram' on the local community?

- A) It has significantly reduced plastic usage in the town.
- B) Its influence is limited to environmental issues only.
- C) It has inspired similar initiatives in other towns.
- D) The group focuses mainly on large-scale events.

Question-2: According to the passage, what was the primary motivation behind the 'rice-for-plastic' initiative?

- A) To create a sustainable business model.
- B) To reduce hunger by distributing rice.
- C) To encourage recycling and feed the hungry.
- D) To gather funds for the town's development.

Question-3: The author's tone towards the youth group 'Mana Peddapuram' can be described as:

- A) Critical.
- B) Indifferent.
- C) Appreciative.
- D) Skeptical.

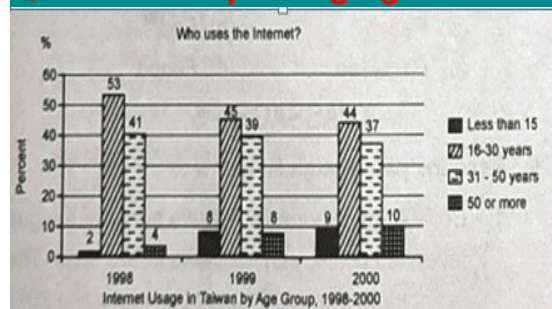


Question-4: What underlying message does the passage convey about youth involvement in community issues?

- A) Youth involvement is often ineffective in solving community issues.
- B) Young people are primarily interested in environmental issues.
- C) Youth can play a vital role in addressing and solving local problems.
- D) Such initiatives are only successful with external funding.

Question-5: Complete the sentence: The 'rice-for-plastic' initiative, launched by 'Mana Peddapuram', primarily aims to _____.

Q3. Read the passage given below. (1×5=5marks)



1 The graph shows Internet usage in Taiwan by age group 1998 to 2000. It shows changes in the age profile of Internet users in Taiwan between 1998-2000. The main users of the Internet in Taiwan are young adults between 16-30 years old. In 1998, they accounted for more than half of all users. In 1999, the number dropped slightly to 45% but even in 2000, they were the biggest group.

2. The second biggest group of users is aged between 31-50. They made up 41% in 1998, falling slightly to 37% in 2000. When combined with the 16-30 age group, over 94% of users in 1998 were between 16 and 50.

3. However, this number is dropping steadily as more children and older users log on. In 1999, the number of children was increased from 2% to 8%, and it continued to increase in 2000. There were similar increases for older users, rising from 4% in 1998 to 10% in 2000. In summary, while adults between 16 to 50 still represent the great majority of Internet users in Taiwan, their share is declining as more children and older users join the web.

Based on your understanding of the passage, answer any six out of the eight questions by choosing the correct option.

1. According to the passage, how many users used internet of age 31-50 in 2000?

- (a) 9
- (b) 44
- (c) 37
- (d) 10

2. According to the passage, how many users used internet of age less than 15 in 1999?

- (a) 2
- (b) 8
- (c) 4
- (d) 9

3. Which of the following are main users of the Internet in Taiwan?

- (a) Between 16 to 30



- (b) Less than 15
- (c) Above 50
- (d) None of these

4. Which of the following are the second biggest group of users?

- (a) Between 16-30
- (b) Between 31-50
- (c) Between 16-50
- (d) None of the above

5. What is the difference of users in 1998-2000 for older users?

- (a) 4%
- (b) 10%
- (c) 6%
- (d) 14%

Section-B(Grammar)

Q4 Complete the paragraph with appropriate verbs.(3marks)

It was only because of faith, that during the freedom struggle a whole lot of freedom fighters(struggle) till they shed the last drop of their blood and(free) India from the clutches of British Empire. Faith(prompt) the great Alexander to march along with his troops to conquer the whole world.

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

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

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

Community service sensitise people to (a) [Error: _____; Correction: _____;]
 other's needs and supports inclusive (b) [Error: _____; Correction: _____;]
 development to the underprivileged (c) [Error: _____; Correction: _____;]
 sections with society. Courses about social (d) [Error: _____; Correction: _____;]
 work prepares frontline workers to (e) [Error: _____; Correction: _____;]
 takes up assignments in social welfare (f) [Error: _____; Correction: _____;]
 organizations. Practical work including (g) [Error: _____; Correction: _____;]
 50 hour of structured internship to man projects. (h) [Error: _____; Correction: _____;]

Section C(Writing Skills)

Qno.7. Write a dialogue between Amina and her brother, talking about the merits and demerits of online exams. (4)

Qno8. You are Zoya, the Head Girl of Sunrise International School. Write a notice informing students about the upcoming Inter-School Quiz Competition. Invent relevant information such as the date, timings, and venue of the event. (3)

Qno.9. As Rakesh had to leave for his coaching classes, he left this message for Rahul. Write the message on his behalf in not more than 50 words. Put the message in a box.(2)

Qno.10 You are Aakriti/ Abhinav. Write a letter to your friend describing your boarding



school in about 120-150 words. (5)

Qno.11 As Mukul / Mahima of Alps Public School, write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizens. (150-200 words) (5)

Qno 12. Write a story on the given below hints also give appropriate title and moral:
A terrible famine broke out..... Rich men started, relief camps for foodlong queues in front of the camps..... quite often the queues brokena little girl stood there patientlyhandsomely rewarded.(6)

Section D(Literature)

Q.13. Answer the following questions:(3×3=9)

- i) Why was the arrival of the stranger in a village inn an unusual event ? Give any two reasons.
- ii) What is a Sermon. How is it different from a lecture?
- iii) Anne says teachers are most unpredictable. Is Mr .Keesing unpredictable ? How?

Q 14. Answer the following questions.(3×3=9)

- i) Pick out the similies used in the poem ' My mother at sixty- six.
- ii) How is the poet's love different from those who also loved his beloved ?
(When you are old).
- iii) What is it that poet wants to sing? (Prayer)

Q 15. Bring out the elements of irony in the story 'Dusk'.(6)

Q 16. What is the theme of the play 'The Proposal' ? (6)'.



SHIKSHA NIKETAN SENIOR SECONDARY SCHOOL

JEEVAN NAGAR JAMMU

CLASS : 10th

SUBJECT : S.St

Time : 3 hours

M.M : 80

GENERAL INSTRUCTIONS :

- 1) The Question Paper Comprises of four Sections - A, B , C and D. There are 36 Questions Paper. All questions are compulsory.
- 2) Section A - From questions 1 to 20 are Objectives of 1 Mark each
- 3) Section B - Questions from 21 to 30 are Short Answer type questions carrying 3 marks each. Answer to each questions should be between 40-60 words.

NOTE : Question 27 is CASE BASED QUESTIONS

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

NOTE : Question no. 35 is an Extract .

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

SECTION : A (OBJECTIVES)

1. Napoleonic Code was introduced in the year
A) 1804 (B) 1805 (C) 1806
2. was the Literary journal of Cultural Congress.
3. When was the Dogra heredity position abolished :
A) 1951 (B) 1952 (C) 1954
4. Which person is known as the "Frontier Gandhi"?
A) Feroz khan (B) S.C. Bose (C) Khan Abdul Gaffar khan
5. Tea plantation is an example of agriculture.
6. Basically Tunnel was constructed in 1960. (True/ False)

7. crop is known as golden fibre.
8. Which of the following minerals industries uses Bauxite as a raw mineral ?
A) Aluminum Smelting (B) Cement (C) Paper
9. The Jammu and Kashmir Reorganisation Act 2019 came into effect on
10. Tourism comes under Sector.
11. Hari Parbat is situated in....
A) Budgam (B) Srinagar (C) Anantnag
12. Handicraft and industry have traditionally been the backbone of Kashmir economy.
13. Identify the Rabi crop....
A) Gram (B) Rice (C) Millets
14. The working period for Assembly in J&K shall be now only(5 years/ 6 Years / 8 years)
15. NDMA stands for
16. Which of the following energy sources is non- conventional one ?
A) Coal (B) Solar (C) Firewood
17. A kit containing some medicine, bandage, dressing etc. for immediate treatment is called
18. Political Party that runs government at particular point of time is technically called as.....
19. Earthquake is a disaster.
A) Natural (B) Human - induced (C) Both (a) and (b)
20. was appointed as Education Minister under Bakshi Government.

SECTION - B

SHORT ANSWER TYPE QUESTIONS (40- 60) words:

21. Explain the causes of Great Depression.
22. Why do we need to conserve Minerals.
23. What is meant by the idea of Satyagrah ?
24. Why did industrial production in India increase during the first world War?
25. What is meant by Proto - Industrialisation ?
26. Difference between Conventional and Non - Conventional Sources of Energy.
27. **CASE BASED QUESTIONS :**

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

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

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

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

QUESTIONS :

- A) What do you mean by the term political parties? Mark 1
- B) What are the components of political parties? Mark 1
- C) What do you mean by the term partisan ? Mark 2

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

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

30. Explain the massacre of jallian wala Bagh .

SECTION - C

(Long Answer Type Questions 100-120 words)

31. Why did Nationalist Tensions emerge in Balkans.

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

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

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

35. Read the extract and answer the questions :

The influence of print media, namely newspapers and magazines, is significantly limited in developing countries due to the prevalence of illiteracy. Despite this, print media plays a crucial role in shaping public opinion and determining what is deemed newsworthy. Margaret Gallagher's research in the early 1980s revealed that women and women's issues were given minimal coverage in newspapers, with gender stereotypes being reinforced in general. However, with the rise of feminist criticism of print media and the involvement of feminist professionals in the industry, there has been some progress. In the past, women and their issues were rarely featured on the front page of newspapers and were often portrayed as victims of violence. Today, women are more visible in mainstream print media, although they still coexist with images and back page pin-ups.

Questions: (2+2+1) Marks

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

SECTION - D

MAP SKILL BASED QUESTIONS :

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

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

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

SHIKSHA NIKETAN SR. SEC SCHOOL

SAMPLE PAPER

CLASS 10TH

SUBJECT: MATHEMATICS

M.M. : 80

SESSION : 2024- 25

SECTION -A

Multiple choice Questions (20x1 = 20)

1. The number $\frac{1}{3}$ is:

(A) an even number (B) an irrational number (C) odd number

2. Graph of a polynomial which intersect the x axis at three points then the number of zeroes of polynomial are:

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

3. The pair of linear equations $2x-y=9$ and $16x+3y=10$ are: (A) parallel. (B) intersecting. (C) coincident. (D) none

4. Father of Modern Mathematics.....

5. Give two examples of 3D shape.....

6. Write section formula.....

7. Who is known as Prince of Indian mathematics.

8. Getting a natural number greater than zero is an example of

(A) impossible event (B) sure event (C) simple event (D) none

9. Area of sector.....

10. Write quadratic formula.

11. Prime factorization of 1001 is

12. The sum of first n natural numbers is

13. If $P(A)=0.05$ then probability of not A =

14. All _____ triangles are similar.

15. A circle can have.....parallel tangents at the most.

16. Write Formula for finding nth terms of an AP.

17. $2x+3y=4$ is an example of ' linear equation in two variables.

18.. Difference between ungrouped and Grouped data.

19. All squares are equal ..true /false

20. Father of Algebra

SECTION-B

Very short answer type questions (6 x 2= 12)

21. 'Solve by substitution method

$$, 12x + 3y = 0 \text{ and } 3x - 8y = 0$$

22. Find discriminant of the quadratic equation $2x^2 - 4x + 3 = 0$ and hence nature of roots.

23. Given $5\cot A = 8$, find $\sec A$.

24. Find volume of hemisphere of radius 2cm.

25. Find the point on the x-axis which is equidistant from (2, -5) and (-2, 9).

26. The sum and product of zeros of quadratic polynomial $x^2 - 15$ are?

SECTION-C

Short answer type question (8x3=24)

27. If A and B are (-2, 2) and (2, -4) respectively, find the coordinates of P such that $AP = \frac{3}{7} AB$. and P lies on the line segment AB.

28. Find the area of the sector of a circle with radius 4 cm and angle 30° . Also find the area of the corresponding major sector.

29. Prove that the tangents drawn at the end of the diameter of a circle are parallel.

30. prove that if a line divide any two side of a triangle in the same ratio, then the line is parallel to the third side

31. D is a point on the side BC of a triangle ABC such that angle ADC equal to angle BAC. show that $CA^2 = CB \cdot CD$.

32. prove that $3 + 2\sqrt{5}$ is irrational.

33. The 17th term of an AP exceeds its 10th by 7 find the common difference.

34. A die is thrown once. Find the probability of getting

a) a prime number (b) a number lying between 2 and 6

SECTION D

Long answer type questions (6x 4=24)

35. Find two consecutive positive integers, the sum of whose squares is 365.

36. A toy is in the form of a cone of radius 3.5 cm mounted on a hemisphere of same radius. The total height of the toy is 15.5 cm. Find the total surface area of the toy.

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

38. In ΔPQR , right-angled at Q, $PR + QR = 25$ cm and $PQ = 5$ cm. Determine the values of $\sin P$, $\cos P$ and $\tan P$.

39. State and prove Basic Proportionality theorem

40. The distribution below gives the weights of 30 students of a class. Find the median weight of the students

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

Weight (in kg)	40 – 45	45 – 50	50 – 55	55 – 60	60 – 65	65 – 70	70 – 75
Number of students	2	4	8	6	6	3	2

शिक्षा निकेतन स्कूल

(सत्र 2024-25)

कक्षा : दसवीं

विषय: हिंदी

सामान्य निर्देश :-

- सभी प्रश्नों के उत्तर लिखना अनिवार्य है।
- ध्यान पूर्वक और साफ-साफ लिखें।

खंड- 'क'

प्रश्न 1 प्रियांशु को पढ़कर नीचे दिए गए प्रश्नों के उत्तर लिखें

:-

जीवन क्या है? जीवन केवल खाना, सोना और मर जाना नहीं है। यह तो पशुओं का जीवन है। मानव जीवन में भी यह सब प्रवृत्तियां होती हैं, क्योंकि वह भी तो पशु है; पर उनके उपरांत कुछ और भी होता है। उसमें कुछ ऐसी मनोवृत्तियां होती हैं, जो प्रकृति के साथ हमारे मेल में बाधक होती हैं, कुछ ऐसी होती है, जो इस मेल में सहायक बन पाती हैं जिन प्रवृत्तियों में प्रकृति के साथ हमारा संमजस्य बढ़ता है, वह वांछनीय होती है। यदि हम इनको बे रोक-टोक चलने दे तो निःसंदेह वह हमें नाश और पतन की ओर ले जाएंगे। इसलिए हमें उनकी लगाम रोकने पड़ती है, उन पर संयम रखना पड़ता है; जिससे वह अपनी सीमा से बाहर ना जा सके। हम उन पर जितना कठोर संयम रख सकते हैं उतना ही मंगलमय हमारा जीवन हो जाता है।

(क) पशुओं का जीवन कैसा होता है?

(ख) हमारा जीवन मंगल में कैसे हो सकता है?

(ग) उपर्युक्त गद्यांश का सार अपने शब्दों में लिखें।

(घ) निःसंदेह शब्द का विलोम शब्द लिखें।

(ङ) मानव जीवन में भी पशुओं के समान कौन-कौन सी प्रवृत्तियां होती हैं?

खंड- 'ख'

प्रश्न 2 निर्देशानुसार करें:-

(1) पीपर पात सरिस मन डोला।

(2) देख लो साकेत नगर है यही,

स्वर्ग से मिलने गगन में जा रही है।

(ख) निम्नलिखित पद में छंद बताइए :-

दुख में सुमिरन सब करै, सुख में करै ना कौया।

जो सुख में सुमिरन करै, दुख काहे को होया।।

प्रश्न 3 (क) निम्नलिखित रेखांकित वाक्य में पदबंध का नाम बताइए:-

(i) अपने घर से भागे हुए तुम यहां घूम रहे हो ?

(ii) मेरा मित्र नेक और ईमानदार है।

(ख) निम्नलिखित वाक्यों को कोष्ठक में दिए गए निर्देशानुसार बदलिए -

(1) मैं बाजार गया क्योंकि उसे फल खरीदने थे।(सरल वाक्य)

(2) मैंने ठंड से ठिठुरते हुए वृद्ध को देखा।(मिश्रित वाक्य)

प्रश्न 4 (क) संधि विच्छेद कीजिए:-

1 सदैव

2 मनोरथ

(ख) समस्त पद का विग्रह करके समास का नाम लिखें:-

1 कमलनयन

2 लंबोदर

प्रश्न 5 (क) मुहावरों के अर्थ लिखकर वाक्य बनाएं :-

1 चंपत होना 2 अकल का दुश्मन

(ख)दो-दो पर्यायवाची शब्द लिखिए

1 अश्व 2 जल

(ग)विलोम शब्द लिखें :-

1 उपकार। 2 ईश्वर

(घ)वाक्यांशों के लिए एक शब्द लिखें :-

1 जिसकी चार भुजाएं हो

2 कभी न मरने वाला

नि

प्रश्न 6 (क)निम्नलिखित वाक्यों में आई क्रिया का नाम लिखिए :-

1 राम ने खाना खाया

2 बच्चा दूध पीता है

(ख) सर्वनाम किसे कहते हैं तथा इसके भेदों के नाम लिखिए।

खंड- 'ग'

प्रश्न 7 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर लिखें :-

दान करके तुम सब ही बन जाओ दानी,

कलम कवियों की लिखती रहे यह कहानी।

कदर मानवता की ही होती है आई

है भारत की यही एकमात्र निशानी।।

(क) क्या करके तुम सभी दानी बन जाओगे?

(ख) भारत की एकमात्र निशानी क्या है?

(ग) कलम कवियों की... रहे यह कहानी।

(घ) भारत में मानवता की ही क्या होती आई है?

प्रश्न 8 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्न के उत्तर दीजिए :-

हरिहर काका की जिंदगी से मैं बहुत गहरे में जुड़ा हूँ। अपने गांव में जिन चंद लोगों को मैं सम्मान देता हूँ, उनमें हरिहर काका भी एक है। हरिहर काका के प्रति मेरी आसक्ति के अनेक व्यावहारिक और वैचारिक कारण हैं। उनमें प्रमुख कारण दो हैं। एक तो यह कि हरिहर काका मेरे पड़ोस में रहते हैं और दूसरा कारण यह है कि मेरी मां बताती है, हरिहर काका बचपन में मुझे बहुत प्यार करते थे। अपने कंधों पर बैठाकर घुमाया करते थे।

(क) लेखक अपने गांव में कितने लोगों को सम्मान देता है?

(ख) हरिहर काका किसको अपने कंधे पर बैठ कर घुमाया करते थे?

(ग) लेखक के हरिहर काका के प्रति आसक्ति के क्या कारण हैं?

(घ) हरिहर काका की जिंदगी से कौन गहरे से जुड़ा था?

प्रश्न 9 (क) निम्नलिखित प्रश्नों के उत्तर लिखिए -

(i) अपने स्वभाव को निर्मल रखने के लिए कबीर ने क्या उपाय सुझाया है

(ii) झरने किसके गौरव का गान कर रहे हैं? बहते हुए झरने की तुलना किस की गई है?

(ख) निम्नलिखित प्रश्नों के उत्तर लिखें :-

(i) छोटे भाई ने बड़े भाई साहब के नरम व्यवहार का क्या फायदा उठाया?

(ii) चित्रकला के विषयव्यापी कला क्यों कहते हैं?

प्रश्न 10 (क) कहानी और उपन्यास में अंतर लिखें।

(ख) आत्मकथा का संक्षिप्त परिचय लिखें।

(ग) भक्ति काल की चार विशेषताएं लिखिए।

खंड - 'घ'

प्रश्न 11. निम्नलिखित में से किसी एक विषय पर निबंध लिखिए:

(क) मेरे जीवन का लक्ष्य

(ख) विज्ञान एक नवीनतम देन

(ग) बढ़ती जनसंख्या - एक समस्या

प्रश्न 12 आपके मुहल्ले में चोरी की घटनाएं बहुत होने लगी हैं। नगर के पुलिस अधीक्षक को मुहल्ले की सुरक्षा के लिए पत्र लिखिए।

अथवा

अपने विद्यालय के प्रधानाचार्य को छात्रवृत्ति के लिए आवेदन पत्र लिखिए।

प्रश्न 13 निम्नलिखित प्रश्नों के उत्तर दीजिए:

1 कबीर के गुरु का नाम क्या था ?

- 2 सदस्य अतिथि हमारे क्या रहे हैं?
- 3 पर्वत का यशगान कौन गा रहे हैं?
- 4 वर्ग वेद को कौन मिटा सकती है?
- 5 हरिहर काका की कितनी शादियां हुईं ?
- 6 हिंदी साहित्य के इतिहास को कितने कालों में बांटा गया ?
- 7 सूर्यकांत त्रिपाठी निराला की पत्नी का नाम क्या था ?
- 8 बाँड पाथर किसके वादन से शुरू होता है ?
- 9 सुमित्रानंदन पंत ने किस संस्था की स्थापना की है ?
- 10 महाभारत में एक पर्व का विशेष का वर्जन हुआ है, जिसे क्या कहते हैं?

JKBOSE MODEL QUESTION PAPER

CLASS: 10th
MAX. MARKS: 80

SUBJECT: SCIENCE TIME:3 HRS

SECTION-A

Very Very Short Answer Type Questions of 1 mark each.

1. The radius of curvature of a spherical mirror is 20cm. What is its focal length?
a) 12 cm b) 10 cm. c) -10 cm d) 2 cm
2. Power of concave lens of focal length 200 cm is:
a) 0.8 D b) 1.5 D c) 0.5 D d) 5 D
3. The focal length of a plane mirror is:
a) 0. b) infinite c) 25 cm d) -25 cm
4. Electrical resistivity of a given metallic wire depends upon:
a) its length. b) its thickness. c) its shape d) nature of material
5. The device used to measure electric current is called
a) Generator b) Ammeter. c) Galvanometer d) Motor
6. A solution turns red litmus blue, its pH is likely to be a) 1 c) 4 b) 5 d) 10
7. In order to balance the following chemical equation, the value of coefficients x and y respectively are:



- a) 2, 4 b) 2, 2. c) 2,3 d) 4, 2
8. A student performs an experiment to form aluminium chloride from aluminium and chlorine. Which of the following option gives the chemical equation of the reaction.

- a) $\text{Al} + \text{Cl}_2 \rightarrow \text{AlCl}_2$ b) $2\text{Al} + 3\text{Cl}_2 \rightarrow 2\text{AlCl}_3$
- c) $2\text{Al} + \text{Cl}_2 \rightarrow 2\text{AlCl}$ d) $3\text{Al} + 3\text{Cl}_2 \rightarrow 3\text{AlCl}_3$

9. Food cans are coated with tin and not with zinc because
a) Zinc is more reactive than Tin b) Zinc is less reactive than Tin
c) Zinc is costlier than Tin d) Zinc has higher melting point than Tin
10. Which of the following reaction is used in black and white photography.
a) Combination reaction b) Decomposition reaction
c) Displacement reaction d) Oxidation reaction
11. Which statement is not correct regarding the food chain.
a) Every component of food chain forms trophic level
b) Interrelation between different food chains is food web
c) All chains formed by nutritional relations are used to understand energy flow
d) Energy level increases from lower trophic level to higher trophic level.
12. The brain is responsible for
a) Thinking b) Balancing body
c) Regulating the heart beat d) All of the above
13. The Anther contains:
a) Sepal b) Pistil. c) Ovules d) Pollen grains
14. In evolutionary terms, we have more in common with:
a) a chinese school boy b) a spider. c) a chimpanzee d) a bacterium
15. living has always been part of India's tradition and Culture.
a) Sustainable b) Sad. c) Happy d) Economic

(1 x 15 = 15)

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

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

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

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

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

16. **Assertion (A):** Magnetic field lines don't intersect each other

Reason (R) : Magnetic field lines are imaginary lines, the tangents to which any point gives the direction of the field at that point.

17. **Assertion(A):** Metalloids are classified as semi-metals

Reason (R): Metalloids are intermediate in properties and exhibit properties of both metals and non- metals.

18 **Assertion (A):** In anaerobic respiration, one of the end product is alcohol.

Reason (R): There is an incomplete breakdown of glucose. (1 x 3 = 3)

SECTION-B

Very Short Answer Type Questions:

(2 x 10 = 20 Marks)

19. Why planets don't twinkle?

20. Discuss four properties of ionic compounds. 21. Why acids don't show acidic behaviour in the absence of water?

22. An electric motor takes 5A from a 220V line. Determine the power of the motor and energy consumed in 2 hours?

23. Define Ohm's Law and draw the circuit diagram.

24. Give the formula of:

a) Plaster of Paris

b) Baking soda

25. What criteria do we use to decide whether something is alive?

26. Why is DNA copying an essential part of the process of reproduction?

27. How do Mendel's experiment show that traits may be dominant or recessive?

28. How does our body respond when adrenaline is secreted into blood?

SECTION-C

Short Answer Type Questions:

(9x3 = 27 Marks)

29. Write Sign Convention for spherical mirrors

OR

A concave lens has focal length of 15 cm. At which distance should the object from the lens be placed so that it forms an image at 10 cm from the lens? Also find the magnification produced by the

30. Explain Myopia with its occurrence and correction

OR

Explain Hypermetropia with occurrence and correction.

31. What are electric field lines. Give their properties.

OR

State Fleming's Left Hand rule with the help of diagram.

32. How would you distinguish experimentally between an alcohol and a carboxylic acid?

OR

Distinguish between saturated and unsaturated hydrocarbons.

33. Define corrosion of metals and give its prevention methods.

OR

Define the following terms:

a) Mineral

b) Ore

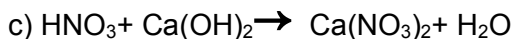
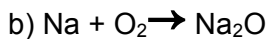
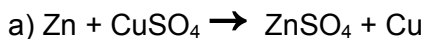
c) Gangue

34. Discuss in brief:

- a) Displacement reaction.
- b) Double Displacement reaction.

OR

Balance the following reaction:



35. What are the differences between the transport of materials in xylem and phloem?

OR

Differentiate between autotrophic and heterotrophic nutrition.

36. How does binary fission differ from multiple fission?

OR

Why is vegetative propagation practised for growing some types of plants?

37. What will happen if we kill all the organisms in one trophic level?

OR

What is ozone and how does it affect any ecosystem?

SECTION -D

Long Answer Type Questions:

(5x3 = 15 Marks)

38. Answer the following questions:

- a) Define power of lens and its S.I. unit. Also describe magnification produced by lens.
- b) What are conclusions of Oersted's experiment.
- c) Draw a diagram to represent uniform magnetic field.

OR

Answer the following questions:

- a) Explain Snell's Law.
- b) What is the advantage of third wire of earth connection in domestic circuit.
- c) State direction of magnetic field inside a bar magnet.

39. What is an esterification reaction? Describe an activity to show esterification.

OR

Answer the following questions:

- a) What is allotropy? Give names of allotropes of carbon.
- b) Draw electron dot structure for ethanoic acid. c) Why covalent compounds have low melting and boiling points.

40. Answer the following questions:

- a) How and where does fat digest?
- b) Why pituitary gland is called Master gland?
- c) Give an example of a plant hormone that promotes growth.

OR

Answer the following questions:

- a) What is photosynthesis and write its reaction?
- b) Define Reflex arc.
- c) Which hormone regulates blood sugar level in humans.

SAMPLE QUESTION PAPER

CLASS: 10th
TIME:3 HRS

SUBJECT: SCIENCE
MAX. MARKS: 28

SECTION-A

Very Very Short Answer Type Questions of 1 mark each.

1. Which statement is not correct regarding the food chain.
a) Every component of food chain forms trophic level
b) Interrelation between different food chains is food web
c) All chains formed by nutritional relations are used to understand energy flow
d) Energy level increases from lower trophic level to higher trophic level.

2. The brain is responsible for
a) Thinking
b) Balancing body
c) Regulating the heart beat
d) All of the above

3. The Anther contains:
a) Sepal b) Pistil. c) Ovules d) Pollen grains

4. In evolutionary terms, we have more in common with:
a) a chinese school boy b) a spider. c) a chimpanzee d) a bacterium

5. living has always been part of India's tradition and Culture.
a) Sustainable b) Sad. c) Happy d) Economic

(1 x 5= 5 Marks)

Marks Note: two statements (Assertion 'A' and Reason 'R') are given. Select the Correct answer to these questions from the Codes (a),(b),(c) and (d) as given below:

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

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

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

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

6. **Assertion (A):** In anaerobic respiration, one of the end product is alcohol.

Reason (R): There is an incomplete breakdown of glucose.

(1 x 1 = 1

Mark)

SECTION-B

Very Short Answer Type Questions:

(2 x 4 = 8 Marks)

7. What criteria do we use to decide whether something is alive?

8. Why is DNA copying an essential part of the process of reproduction?

9. How do Mendel's experiment show that traits may be dominant or recessive?

10. How does our body respond when adrenaline is secreted into blood?

SECTION-C

Short Answer Type Questions:

(3x3 = 9 Marks)

11. What are the differences between the transport of materials in xylem and phloem?

OR

Differentiate between autotrophic and heterotrophic nutrition.

12. How does binary fission differ from multiple fission?

OR

Why is vegetative propagation practised for growing some types of plants?

13. What will happen if we kill all the organisms in one trophic level?

OR

What is ozone and how does it affect any ecosystem?

SECTION -D

Long Answer Type Questions:

(5x1 = 5 Marks)

14. Answer the following questions:

a) How and where does fat digest?

b) Why pituitary gland is called Master gland?

c) Give an example of a plant hormone that promotes growth.

OR

15. Answer the following questions:

a) What is photosynthesis and write its reaction?

b) Define Reflex arc.

c) Which hormone regulates blood sugar level in humans.