



HOLIDAYS HOMEWORK-CLASS IX (2024-25)

SUBJECT-SOCIAL SCIENCE:--

NOTE-

Two Projects have been given. These projects are compulsory for all. Students should use pictures, diagrams, data, pie charts, and case study etc. Project should be neat and clean and Presentation should be proper. Hand made diagrams and pictures will be given preference in Project. Students should also write Biodata, Acknowledgement, Index, Introduction, Bibliography, Conclusion and remarks. Students can use pencil colours. Project should be completed in not more than 12 to 15 sheets.

- **ACTIVITY-1 CBSE-SUBJECTIVE PROJECT-**

Prepare a project on the topic Natural and Manmade disaster.

- **Activity-2 CBSE ART INTEGRATED PROJECT**

Prepare a project on the topic **Artefacts'** of your Area and Region or State under the following headings:-

- Name of Important Artefacts'
- Characteristics
- Reasons famous for Founder or creator
- Utility or importance
- Other important Aspects

3. Do the practice of competency based questions

4. Learn UT-2 Syllabus thoroughly.

5. Practice all maps related to the chapters taught in class

SUBJECT – MATHS

INSTRUCTIONS:

- DO EACH OF THE QUESTION NEATLY.
- USE LOOSE SHEETS FOR YOUR WORK.
- WRITE YOUR NAME, CLASS, ROLL NO., SUBJECT AND TEACHER'S NAME PROPERLY.
- DO YOUR ACTIVITY WORK IN MATHS PRACTICAL FILE.
- USE DESIGNER SHEETS FOR ART INTEGRATED PROJECT.

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- **ART INTEGRATED PROJECT**

Make a project on ARTIFACTS OF YOUR REGION.

Use any maths concept in this accordingly to your understanding.

MATHS PRACTICAL WORK:

ACTIVITY -1

Representation of irrational number on a number line.

ACTIVITY -2

Factorisation of quadratic polynomial.

- **WORKSHEET**

1. Express each of the following equation in the form of $ax + by + c = 0$ and indicate the values of a , b and c in each case.

I. $3x + 5y = 7.5$

li. $4x = 5y$

lii. $4y = 7$

Iv. $3x + 7 = 0$

2. Check (4,0) is the solution of the equation $x + y = 4$.

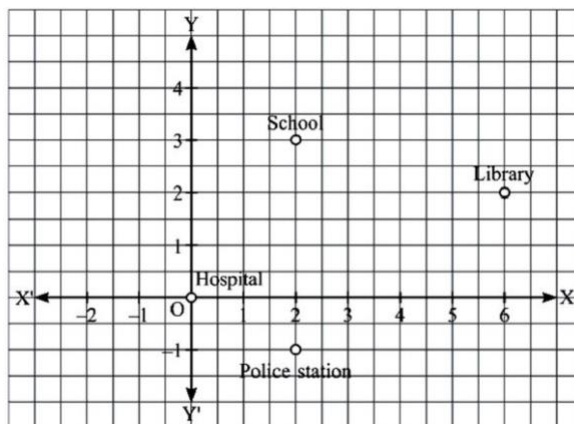
3. Find 5 different solutions of $2x - 3y = 6$.
4. If $x = 3$ and $y = 4$ is a solution of the equation $5x - 3y = k$, find the value of k .
5. Cost of 5 pencils is equal to the cost of 2 ball points. Write a linear equation in 2 variables to represent the statement. take the cost of pencil to be ₹ x and cost of ballpoint to be ₹ y .
6. Draw the graph of the equation $x + y = 10$.
7. Draw the graph of $y = 3x$.
8. Plot the Following points on a graph paper.
 - I. (3,0)
 - II. (5,-6)
 - III. (0,-6)
 - IV. (-4,-6)
 - V. (-6,7)
9. Write the quadrant for the following points
 - I. (1,3)
 - II. (-4,-6)
 - III. (-6,5)
 - IV. (6,-7)
10. Plot the points A(2,5), B(-2,2) and C(4,2) on a graph paper. join AB, BC and AC. Write the name of the figure obtained also find the area of the figure.
11. Write the axis on which the given points lie.
 - I. (-6,0)
 - II. (6,0)
 - III. (0,-7)
 - IV. (0,5)
12. Write the Heron's formula?
13. What is the area of an equilateral triangle?
14. Find the area of an equilateral triangle whose side is 6cm.
15. Find the area of the triangle whose base measures 24 centimetres and the corresponding height measures 14.5 centimetres.
16. Find the area of the triangle whose sides are 42cm, 34cm and 20cm in length.
17. The sides of a triangle are in the ratio 5:12:13 and its perimeter is 150m. Find the area of the triangle.
18. Find the area of an isosceles triangle each of whose sides measures 13cm and whose base measures 20cm.
19. Calculate the area of a triangular field whose sides are 91m, 98m and 105m in length. Also find the cost of ploughing if rate of ploughing is ₹20/m.
20. If the area of an equilateral triangle is $36\sqrt{3}$ sq.cm, then find its

- I. Side
- II. Perimeter.

21. Find 10 rational numbers between $\frac{1}{2}$ and $-\frac{3}{4}$.
22. Find an irrational no. between 2 and 3.
23. Represent $\sqrt{8.5}$ on a no. line.
24. Find the zeros of the polynomial $p(x) = 4x + 8$.
25. Expand : $(2x - 3y + 4z)^2$

CASE STUDIES: The sides of a rectangular park are 80 m and 90 m respectively. A small triangular area of side 8m, 10m and 6m respectively is to be left out at the four corners of the park for growing flowering plants. The remaining area is to be planted with natural grass.

- Q1. What is the area of the rectangular garden?
 - Q2. What is the semi-perimeter of the triangle for the above measurements?
 - Q3. Find the area used for growing flowering plants.
 - Q4. If the cost of planting the flowering plant is ₹ 75.50 per m^2 , then find the total cost of planting the flowering plants.
 - Q5. Find the area of the grass to be planted.
26. Students of a school are standing in rows and columns in their playground for a drill practice. A, B, C and D are the positions of four students as shown in the figure.



27. (i) What are the coordinates of School?
 - (a) (3, 2) (b) (2, 3)
 - (c) (3, 5) (d) (5, 3)
- (ii) What are the coordinates of Police Station?
 - (a) (2, -1) (b) (2, 1)

(c) (-2, -1) (d) (-2, 1)

(iii) Distance between school and police station:

(a) 4 (b) 3 (c) 2 (d) 1

(iv) What are the coordinates of Library?

(a) (2, 6) (b) (2, -6)

(c) (6, -2) (d) (6, 2)

(v) In which quadrant the point (-1, 4) lies?

(a) I (b) II

(c) III (d) IV

28. Prime Minister's National Relief Fund (also called PMNRF in short) is the fund raised to provide support for people affected by natural and man-made disasters. Natural disasters that are covered under this include flood, cyclone, earthquake etc. Man-made disasters that are included are major accidents, acid attacks, riots, etc.

Two friends Sita and Gita, together contributed Rs. 200 towards Prime Minister's Relief Fund. Answer the following :

(a) Which out of the following is not the linear equation in two variables ?

(i) $2x = 3$ (iii) $x^2 + x = 1$

(ii) $4 = 5x - 4y$ (iv) $x - \sqrt{2}y = 3$ (b) How to represent the above situation in linear equations in two variables ?

(i) $2x + y = 200$ (ii) $x + y = 200$

(iii) $200x = y$ (iv) $200 + x = y$ (c) If Sita contributed Rs. 76, then how much was contributed by Gita ?

(i) Rs. 120 (ii) Rs. 123

(iii) Rs. 124 (iv) Rs. 125 (d) If both contributed equally, then how much is contributed by each?

(i) Rs. 50, Rs. 150 (ii) Rs. 100, Rs. 100

(iii) Rs. 50, Rs. 50 (iv) Rs. 120, Rs. 120 (e) Which is the standard form of linear equations $x = -5$?

(i) $x + 5 = 0$ (ii) $1.x - 5 = 0$

(iii) $1.x + 0.y + 5 = 0$ (iv) $1.x + 0.y = 5$

SUBJECT – ENGLISH

ART INTEGRATED PROJECT

- ❖ Write a descriptive paragraph on an artifacts that is popular in your region. Draw a picture and write in brief about that artifact.

❖ Revise UT2 syllabus

Attempt the below given CBQ s Based on your UT2 syllabus in in fair register.

A. Why does Kezia say she stutters in front of her father?

1. She wished to please her father
2. She was not a confident person
3. She was only learning how to speak
4. She did not like doing chores for her father

B. “Mother, I wish you taught this child not to appear on the brink of suicide...” What is father’s tone in the line above?

1. Distressed
2. Mocking
3. Haughty
4. Livid

C. Grandmother’s actions show that she probably

1. Wanted Kezia to be more disciplined
2. Believed that Kezia needed a hobby
3. Believed that father did not like Kezia
4. Wanted Kezia to grow closer to her parents

D.The incident with Father’s speech suggests that Kezia was

1. Curious
2. Indifferent
3. Ambiguous
4. Overwhelmed

E. Which word best describes the relationship between Kezia and her parents?

1. Cold
2. Formal
3. Passive
4. Strained

F. What main point does the writer make about Einstein’s childhood?

1. He stood out a lot from the other children.
2. He was not treated kindly by other children in his school.
3. His parents were very worried about his poor performance.
4. His later achievements could not be predicted from his childhood

G. But science wasn't the only thing that appealed to the dashing young man with the walrus moustache. In the sentence above, the writer is mainly trying to

1. Establish a new argument
2. Elaborate a point made earlier
3. Highlight an important part of the text
4. Provide a transition to a different topic

H. Einstein's reaction to America using the nuclear bomb shows that _____.

1. He changed his mind about war
2. He was a humanitarian at heart
3. He did not fully understand the impact of his own work
4. He felt guilty about causing the atomic bomb to be built

G. What is the tone of the text?

1. Factual
2. Admiring
3. Nostalgic
4. Sympathetic

H. What is the main purpose of the text?

1. To provide an overview of Einstein's life
2. To highlight the significance of Einstein's work
3. To argue that Einstein was not a typical scientist
4. To describe the influences that led to Einstein's success

I. What did Albert Einstein's mother think about him?

1. He did not know what to do with children
2. He was destined for greatness
3. He was a genius
4. He was a freak

J. "Fine, but where are her wheels?" Why did Einstein ask the above question about his newborn sister?

1. He did not want to share his toys with her.
2. He thought she was a mechanical toy.
3. He knew that she could not walk.
4. He wanted to make people laugh

HOLIDAY HOMEWORK (ENGLISH)

CLASS-9

Note : The homework should be submitted in a handmade folder.

1. Prepare any 1 SDG out of 17 SDGs and write a paragraph about it. Draw and colour the logo as well.
2. Make a chart (A4 size) about 10 poetic devices done so far along with atleast 2 examples from the textbook. Present it in a tabular/web chart form.
3. Read any 5 short stories of Ruskin Bond and write a book review on any one of it. It should include :
 - Title of the story
 - Year of publishing
 - Preface
 - main characters
 - Genre
 - and your favourite character and why.

SCIENCE HOMEWORK

1. Revise the explained chapters with all extra questions-answers.
2. Read and Learn all scientific keywords from the following chapters:
 - a) Matter in our surroundings
 - b) Is matter around us pure
 - c) The fundamental unit of life
 - d) Motion
3. Make a model on following topics from eco friendly material available at home:
 - a) Roll No. (1 – 4): Structure of atom
 - b) Roll No. (5 – 8): Chandrayaan
 - c) Roll No. (9– 12): Compound Microscope
 - d) Roll No. (13 – 16): Balloon Car based on Newton's third law of motion.
 - e) Roll No. (17 - 20): Plant cell
4. Written Work: Do part - H (1 to 15 Que/Ans) Pg. No. 78 + Part - D (1 to 13 Ques/Ans) Pg. No. 91 in H.W file of chemistry reference book and write the notes of chapter 2 from the attached document in C.W file.
5. Write activity 1 and activity 2 in your science activity file from the given attached document.
6. Solve UT -1 Papers (Set 1 & 2) In Question bank register.
7. Draw all diagrams of Chapter – 5 (Cell) in Question bank register from biology reference book.
8. Indulge yourself in some physical activity like Yoga and deep breathing exercises in the morning. Add protein rich food in your meal to boost your immunity.
9. Art Integrated Project: Study and analyse any 5 scientific artefacts of your area, region and state and prepare a project report on the following bases:
 - What kind of material is used to make these artefact.
 - For which purpose they are used for?
 - Collect the data in form of images/ Research work done from the newspaper, magazines and articles.
 - How they impact the field of education.

(Art integrated project) Instructions:

- Use colored A4 size colored sheets to write contents.
- Begin with acknowledgement and brief introduction about Haryana on separate sheets.
- Draw table and paste pictures related to the topics on the plane side of the assignment colored sheet.
- Assemble all the sheets in sequence in a handmade folder.

I.T HOLIDAY HOMEWORK

Take printout of holiday homework and bring it on button folder.

1. Create your own Bio Data not exceeding 1 page in MS Word (Insert Photo also).
2. Create a PowerPoint Presentation on Green Skills. (Minimum 10-15 slides and add transitions and animation). Take printout on A4 sheet.
3. Learn and practice keyboard typing from any typing software and bring printout of result and detailed statistics of your typing practice. (like- Rapid typing, etc)

DRAWING HOLIDAY HOMEWORK

Do three pictures in bird study and animal study(both) in sketchfile. Do pg no53-58 with land scape, cityscape, and four sketching in A3 sheet.

विषय हिंदी. निर्देश:

• सम्पूर्ण लेखन कार्य रंगीन, सादा, ए 4 शीट पर किया जाएगा।

• निर्देशानुसार एवं प्रश्न के अनुरूप सचित्र प्रस्तुतीकरण अनिवार्य है।

• त्रुटिरहित लेखन एवं निर्धारित समय सीमा को ध्यान में रखते हुए संपूर्ण हिन्दी गृह कार्य को पूर्ण मनोयोग एवं एकाग्रता से संपन्न करें।

1. “दो बैलों की कथा’ पाठ की एक संवाद पूर्ण चित्र कथा बनाइए।
2. किन्हीं चार भक्तिकालीन कवियों द्वारा रचित दोहों व पदों का संकलन करके एक सचित्र परियोजना कार्य तैयार कीजिए।
3. ल्हासा की ओर पाठ ‘यात्रा वृतांत शैली में रचित है इसे सचित्र कहानी के रूप में लिखिए।
4. पढ़े हुए गद्य पाठों में से दस उपसर्ग, प्रत्यय, सामासिक पद, मुहावरे छांट कर लिखिए।
5. ‘चंद्रयान का प्रक्षेपण और मेरी उत्सुकता’ विषय पर एक अनुच्छेद लिखिए।
6. आप अपने मामा के साथ गांव में ‘रक्तदान शिविर’ में सहयोग देने गए थे। अपने इस अनुभव को मित्र को पत्र के माध्यम से समझाइए।
7. प्रेमचंद के व्यक्तित्व और कृतित्व का परिचय देते हुए किन्हीं प्रसिद्ध रचनाओं और उनके पात्रों का आरेख रूप में वर्णन कीजिए।

8. श्री कृष्ण के जीवन की किसी भी घटना को चित्रित करते हुए अन्य कृष्ण भक्त कवियों के दस पद सुन्दर चार्ट के माध्यम से दर्शाए।

9. एक स्वरचित कविता लिखिए एवं याद कीजिए।

10. अपठित गद्यांश प्रश्न 1-5 व्याकरण पुस्तिका में हल करें।

11. कार्य पत्रिका व्याकरण पुस्तिका में हल करें।

कला एकीकृत परियोजना कार्य

विदेश में रह रहे अपने मित्र को अपने क्षेत्र के किसी ऐसे दर्शनीय स्थल का वर्णन कीजिए जो अपनी कलाकृतियों के लिए प्रसिद्ध हो, उसे यहां की आकर्षक कला शैली से अवगत कराइए।

जनजीवन पर कला एवं कलाकृतियों का प्रभाव (हरियाणा या किसी प्रसिद्ध दर्शनीय स्थल के सन्दर्भ में)

साधन ए- 4 शीट (पृष्ठ संख्या 1-5)

अनुक्रमणिका अवश्य बनाए, अंग्रेजी भाषा में नहीं लिखें।