

ARMY PUBLIC SCHOOL, DANAPUR CANTT

HOLIDAY HOMEWORK (2024-25)

CLASS X

SUBJECT : ENGLISH

1. Learn Question Answers and book exercise of Unit 1 and 2.
2. Write character sketch of any two of the following in 100-120 words:-
 - a. Lencho
 - b. Postmaster
 - c. James Herriot
3. Write the antonym and synonym of all the words given in the spelling list.
4. Read a novel or a short story collection, write the review of the book and learn one excerpt (extract) from it so that it can be presented on the stage after holidays.
5. Make a '**Comic Book**' of any one of the following lessons:
 - a. A Triumph of Surgery
 - b. A Letter to God

Content of the project:-

- Preface
- Theme of the story
- Learning outcomes
- Characters
- About the author
- Story Board



- Bibliography



हिंदी ग्रीष्मावकाश गृहकार्य

1. वर्तनी तालिका से 20 शब्दों का चयन कर उन्हें वाक्य में प्रयुक्त कीजिए.
2. वर्तनी तालिका से 15 शब्दों का चयन कर उनका पर्यायवाची शब्द लिखिए.
3. वर्तनी तालिका के शब्दों को लिखें और याद करें.
4. किसी पुस्तक को पढ़कर उसकी समीक्षा लिखिए.
5. पढ़ाए गए पाठों का प्रश्नोत्तर लिखिए और याद कीजिए.

MATHEMATICS

CASED BASED PROBLEMS:

CBP1

Raj and Ajay are very close friends. Both the families decide to go to Ranikhet by their own cars. Raj's car travels at a speed of x km/h while Ajay's car travels 5 km/h faster than Raj's car. Raj took 4 hours more than Ajay to complete the journey of 400 km.

1. What will be the distance covered by Ajay's car in two hours?
2. Which of the following quadratic equation describe the speed of Raj's car?
a) $x^2 - 5x - 500 = 0$ b) $x^2 + 4x - 400 = 0$ c) $x^2 + 5x - 500 = 0$ d) $x^2 - 4x + 400 = 0$
3. What is the speed of Raj's car?
4. How much time took Ajay to travel 400 km?

CBP2:

The speed of a motor boat is 20 km/hr. For covering the distance of 15 km the boat took 1 hour more for upstream than downstream.

1. Let speed of the stream be x km/hr. then speed of the motorboat in upstream will be
a) 20 km/hr b) $(20 + x)$ km/hr c) $(20 - x)$ km/hr d) 2 km/hr
2. What is the relation between speed ,distance and time?
a) speed = (distance)/time b) distance = (speed)/time
c) time = speed x distance d) speed = distance x time
3. Which is the correct quadratic equation for the speed of the current?
a) $x^2 + 30x - 200 = 0$ c) $x^2 + 30x - 400 = 0$
b) $x^2 + 20x - 400 = 0$ d) $x^2 - 20x - 400 = 0$
4. What is the speed of current ?
a) 20 km/hour b) 10 km/hour c) 15 km/hour d) 25 km/hour
5. How much time boat took in downstream?
a) 90 minute b) 15 minute c) 30 minute d) 45 minute

ACTIVITY :

1. Pair of linear equations in two variables.
2. Verification of the distance formula by the graphical representation method.

NOTE : Activity should be completed in MATH LAB MANUAL COPY.

Learn and write:

- a) Square : 1 to 30 b) Cube : 1 to 20 c) Table : 1 to 30

SCIENCE

BIOLOGY

1. Identify and describe organisms having different nutritional modes in your surrounding.
2. Write all answers to all intext questions from NCERT book till topic Respiration.

Pls note: All holiday homework to be done in classwork copy.

PHYSICS :

A.

1. A convex mirror of focal length 15 cm forms an image at 10 cm from the mirror. How far is the object placed from the mirror? Draw the ray diagram.
2. A real image $\frac{2}{3}$ rd of the size of the object is formed by a concave mirror when the object is at a distance of 12 cm from it. Find the focal length of the mirror.
3. We can find an approx value of focal length of concave mirror by image formation. How? Justify your answer with ray diagram.
4. What do you understand by cartesian sign convention.

B. Practice ray diagram.

C. Revise whatever taught in class.

CHEMISTRY

Research and create a poster on a notable chemist from history. Include their contributions to the field of chemistry and how their work impacts us today.

SOCIAL SCIENCE

1. Learn all the taught chapters.
2. Prepare a comic book on 'Gender Religion and Caste '.
3. Prepare a list of endangered and extinct plants and animals.

* Explain the reasons, why these species are getting endangered or extinct. Mention some suggestive measures to improve the condition.

(Work should be done in geography notebook. Paste or draw the pictures of the above species.)

SKILL SUBJECT

Note: - All the following task should be done in Skill subject notebook.

1. What is communication?
2. Define Part of Speech and explain any two parts of speech.
3. What is a paragraph and how to construct a paragraph?
4. Describe the format of article writing.
5. Explain 7C's of Communication.
6. What do you mean by communication barrier?
7. How to handle barriers to communication?
8. Draw picture of 5 non-verbal communication gestures.
9. Difference between open source software and proprietary software with examples.
10. Write Keyboard shortcuts for the following commands:
 - New
 - Open
 - Save
 - Cut
 - Copy
 - Paste
 - Bold
 - Italic
 - Underline
 - Find
 - Replace
 - Go to
 - Undo
 - Redo
 - Spelling & Grammar check