ARMY PUBLIC SCHOOL, DANAPUR CANTT

HOLIDAY HOMEWORK (2024-25)

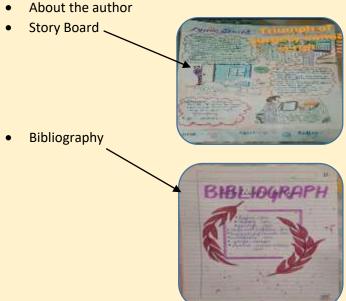
CLASS X

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



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 प्रतक को पढ़कर उसकी समीक्षा लिखिए.
 - 5. पढाए 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)
$$x^2 + 4x - 400 = 0$$

b)
$$x^2 + 4x - 400 = 0$$
 c) $x^2 + 5x - 500 = 0$ d) $x^2 - 4x + 400 = 0$

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



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 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