

Takshila Academy
Summer Vacation Homework: 2023-24
Class- VIII

Science

ACTIVITY: 1 Topic: Legends of Science

Instructions:

Prepare a life sketch of one form of "BIOGRAPHY BOOKS", "LAPBOOKS"

-Use Library books/internet resources to undertake in-depth research.

-Book should cover the following Information of the scientists :

- | | |
|---|---|
| a) Sketch/ Portrait of the Scientist | b) Date and Place of birth and death' |
| c) Nationality | d) Significant Contributions to the society |
| e) Relevance/ Application day to day life | f) Awards |
| g) Inspirational quotes | |

ACTIVITY: 2 Collect different types of cloths present in your house. Find out different fibres used in different cloths.

Note down following observations.

- | | | |
|-----------------------|------------------------|-----------------------------|
| 1) Type of fibre | 2) Properties of fibre | 3) Uses of fibre |
| 4) Raw materials used | 5) Strength/Weak fibre | 6) Any special observations |

Social Science

Q.1 Gandhiji was very apt in voicing his concern about resource conservation in these words: "There is enough for everybody's need and not for anybody's greed". Make a list of resources available in your home and suggest some ways for resource conservation to justify the above statement.

Q.2 Conduct an interview of village headman/ ward boy in your village/ward. Highlight the issues and challenges for local government.

Note:- Students should make separate file for summer vacation homework.

Maths

Q.1

A. Make working model for real number system

OR

B. make working model for law Of exponent and power

Q.2 Students are supposed to take 2 different colour Sketch Pens. Same numbers of identical balls are to Be Drawn for one Integers indicated. perform activity according to given examples (we know negative symbol means opposite/ change of colours) Example: let

(i):- green for positive integers

(ii):- red for negative integers.

A) 2×3 (2 times 3)



Show the following in the form of pictures of balls.

B. -3×4

C. $2 \times (-4)$

D. $-3 \times (-4)$

Computer Science

I. Answer the following question

1. What is the full form of DBMS? Write any two advantage of a DBMS.
2. Explain peer-to-peer network architecture in your own words.
3. What is Network topology? Explain its types.
4. Define all the elements of a table.

II. Application based question.

1. Which type of network components is most suitable, when it converts the analog signal into digital signal and vice versa?
2. Sumit uses which type of database having fields without any structured relationship.

III. Project work

Your teacher has asked to collect the data of your classmate and their hobby clubs. Draw the table in your notebook and organize the collected data in the form of rows and columns as shown:

Roll No.	Student _Name	Hobby Club	Description	No. of Members

English

1. Watch the movie “The Elephant Whispers”. Summarise the story and moral in your own words. Why do you think the movie won the Oscar award? Explain with posters and pictures.
2. Make a creative Advertisement on any product of your own in an a chart paper. Also mention the necessary details required.

हिंदी

प्रश्न -1- शहरी जीवन एवं ग्रामीण जीवन में से आप कौन सा जीवन जीना अधिक पसंद करेंगे और क्यों? उसकी विशेषताएं बताइए तथा कौन सा जीवन जीना आप अपेक्षाकृत कम पसंद करेंगे ? उसके दोष बताइए।

प्रश्न -2- कल्पना कीजिए कि आपके पिता एक हस्तशिल्प कार हैं और वह अपने हाथ से बनी वस्तुओं को बेचकर परिवार का भरण पोषण करते हैं किंतु नई-नई मशीनों के आ जाने के कारण उनके हाथ की बनी वस्तुओं को कोई खरीदना पसंद नहीं करता ऐसी स्थिति में आपके परिवार में कौन-कौन सी समस्याएं आ सकती हैं और उन समस्याओं का समाधान आप किस प्रकार करेंगे ? अपने विचार लिखिए।