



BCM SCHOOL, CHANDIGARH ROAD

A SENIOR SECONDARY SCHOOL OF BCM FOUNDATION, AFFILIATED TO CBSE, NEW DELHI

SUMMER HOLIDAYS HOMEWORK (2023-24)

Class VII

SUBJECT- ENGLISH

1. Writing skill is important to broaden the understanding, expressions and creativity. So pick pen and paper to give wings to your views and thoughts by writing paragraphs in about 100-120 words each on the following topics:

- Environmental protection
- Junk food – a sweet poison
- Kindness towards animals
- Where there is a will, there is a way
- Pleasures of reading
- A visit to a historical place
- Indian festivals

Note

- Write the above mentioned topics in your grammar practice notebook.
 - Make your write ups impressive and decorative .
2. Pod Cast is a digital audio file to present one's views, creative ideas and voice modulation. Make a good Pod Cast of a conversation with one of your family member or a friend on 'Pros and Cons of Electronic Gadgets' .

Note

- Record your conversation for 1-2 minutes.
- The recording should be clearly audible.
- Send the recording through e – mail provided by the concerned teacher.

विषय – हिंदी

(ग्रीष्मकालीन गृह कार्य हिंदी की उत्तर पुस्तिका में लिखिए।)

*वर्तमान समय में फैल रही किन्हीं पांच बीमारियों की सूची बनाते हुए बताएं कि उन बीमारियों के फैलने के क्या कारण हो सकते हैं। यदि आपका कोई परिचित जन भी किसी ऐसी बीमारी से संक्रमित हो जाए ,तो आप उसकी देखभाल कैसे करेंगे। लगभग 100 शब्दों में अपने विचार व्यक्त करें।

*निबंध -भारत में है- खेलों में महाशक्ति बनने की क्षमता,वर्षों बाद मिला भारत को ऑस्कर पुरस्कार, गुरु-शिष्य संबंध याद करें तथा सुलेख स्वरूप लिखें।

ਵਿਸ਼ਾ - ਪੰਜਾਬੀ

ਅੱਜ ਦੇ ਬੱਚੇ ਜੰਕ ਫੂਡ ਖਾਣਾ ਕਿਉਂ ਪਸੰਦ ਕਰਦੇ ਹਨ , ਇਸ ਉੱਪਰ ਚਰਚਾ ਕਰਦੇ ਹੋਏ ਪੌਸ਼ਟਿਕ ਖੁਰਾਕ ਦੇ ਮਹੱਤਵ ਉੱਤੇ ਇੱਕ ਪੈਰਾ ਲਿਖੋ ।

ਘਾਠ 6 ਤੋਂ 12 ਦਾ ਇੱਕ-ਇੱਕ ਪੰਨਾ ਸੁਲੇਖ ਆਪਣੀ ਪੰਜਾਬੀ ਦੀ ਕਾਫੀ 'ਤੇ ਲਿਖੋ ।

SUBJECT- SOCIAL SCIENCE (Do Q1 on Fair notebook)

1. Talk at least three women belonging to three different generations and find out their views and reactions towards unequal treatment of girls/women. Sum up the findings in your own words.
2. Make a family tree chart of Mughal rulers (*From Babur to Aurangzeb)* along with their pictures on A3 size sheet.
3. Read ch-3 (H) thoroughly and frame questions.

SUBJECT: MATHS

1. The mean of the first five whole number is _____ .
a) 2 b) 3 c) 4 d) 5
2. What will be the range of given data? 32 , 41 , 28 , 54 , 35 , 26 , 33 , 23 , 38 , 40
a) 25 b) 23 c) 31 d) 54
3. Which observation in the following data has maximum frequency?
1 , 1 , 2 , 4 , 3 , 2 , 1 , 2 , 2 , 4
a) 1 b) 2 c) 3 d) 4
4. The mode of the data 2 , 2 , 2 , 3 , 3 , 4 , 5 , 5 , 5 , 6 , 6 , 8 is _____ .
a) 2 b) 8 c) 5 d) 2 & 5 both
5. A data can have _____ mode.
a) Only one b) only two c) only 3 d) more than one
6. The heights (in cm) of few cricket players is as follows:
158, 150, 156, 162, 155, 152, 154, 164, 153, 165.
Find range of above data.
7. Fill in the blanks
a) The difference between highest and lowest observation is called
b) The _____ of a set of observations is the observation that occurs most often.
c) _____ refers to the value which lies in the middle of the data when arranged in an increasing or decreasing order.
d) The _____ is a representation of the numbers using bars of uniform width.
8. Find mean and median of first five prime numbers.
9. The marks in a subject for 9 students are as : 31, 37, 35, 38, 42, 23, 17, 21, 35. Find mean, median mode and range of above data.
10. The given data shows the number of students of class VII and class VIII participating in different sports:

| Class | Hockey | Football | Cricket | Tennis | Badminton |
|-------|--------|----------|---------|--------|-----------|
| VII | 7 | 16 | 18 | 10 | 14 |
| VIII | 6 | 12 | 21 | 8 | 10 |

Draw a double bar graph of above data.

11. a.) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion
b.) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.
c.) assertion is true but the reason is false.

d.) both assertion and reason are false.

(i)Assertion: The mean of the numbers 10,20, 30 and 40 is 25.

Reason: Mean = $10+20+30+40/4 = 100/4 = 25$.

(ii)Assertion: When a given data is arranged in ascending (or descending) order, then the middlemost observation is called the median of the data

Reason: Marks scored by seven students in a class are 18, 21, 21, 32, 36, 50, 93. Then the median is 32.

(iii)Assertion: The mode of a set of observations is the observation that occurs most often. Reason: Given set of number 1, 1, 2, 2, 2, 2, 3, 4, 4

(iv)Assertion: The mode of the distribution 3,5, 7, 4, 2, 1, 4, 3, 4 is 4.

Reason: The mode of a set of observations is the observation that occurs most often.

(v)Assertion: The mode is always one of the numbers in a data

Reason: Mode in data is always greater than mean in data.

(vi)Assertion: The mean is always one of the numbers in a data

Reason: Mean is always less than mode in data.

Case Study:-

The games teacher wants to divide the class into two groups based on the mean weight, such that one group has students of weight less than the mean weight and the other group has students with weight more than the mean weight, then the groups would be of unequal size. Following are the weights of few students in Kg. 32, 41, 28, 54, 35, 26, 23, 33, 38, 40, 25

(a) Find the Mean weight of the students

(b) Find the Median of the given weights.

SUBJECT: SCIENCE

ANSWER THE FOLLOWING:-

- 1- Name the device which is used to measure the hotness or coldness of an object.
a) Pico meter b) Barometer c) Manometer d) Thermometer
- 2- Which metal is filled in the bulb of a thermometer? a) Mercury b) Lead c) Copper d) Silver
- 3- Heat always flows:-
a) from a colder object to a hotter object c) from a hotter object to a colder object
b) in both the directions d) heat never flows from one object to other
- 4- Conduction is the method of transfer of heat in: a) Liquids b) solids c) gases d) vacuum
- 5- Heat from the sun reaches to the earth by: a) Radiation b) conduction c) convection d) all of these
- 6- Paheli and Boojho measured their body temperature. Paheli found her's to be 98.6°F and Boojho recorded 37°C. Which of the following statement is true?
(a) Paheli has a higher body temperature than Boojho.
(b) Paheli has a lower body temperature than Boojho.
(c) Both have normal body temperature.
(d) Both are suffering from fever.
7. A _____ near the bulb of a clinical thermometer prevents mercury level from falling on its own.
8. In coastal areas, cold air flows in the day from sea to land. It is called
9. The thermometer used to measure human body temperature is called..... thermometer.
10. In a mercury thermometer, the level of mercury rises when its bulb comes in contact with a hot object.
What is the reason for this rise in the level of mercury?
11. Why is mercury preferred to other liquids for making thermometers? Write any four points.
12. Can we use laboratory thermometer for measuring body temperature? Explain.
13. Can we measure temperature of boiling water with the help of clinical thermometer? Explain
14. Write three precautions we should follow while using clinical & laboratory thermometer each.
15. Differentiate between good conductors and poor conductors of heat.
16. Define conduction, convection and radiation. Write conditions necessary for conduction.
17. What do you understand by sea breeze and land breeze?
18. Write applications of Convection and Radiation. (Three for each).
19. While constructing a house in a coastal area, in which direction should the windows face and why?
20. Name the mode of transfer of heat, in which medium is not required.
21. The handle of a pressure cooker is covered with the thick plastic. Explain why.
22. Case Study Question: At a camp site, there are tents of two shades – one made with black fabric and the other with white fabric. Which one will you prefer for resting on a hot summer afternoon? Give a reason for your choice. Would you like to prefer the same tent during winter?
23. Assertion-Reason Question:-
Assertion (A): Heat energy is transferred from one body to another due to a temperature difference between them.
Reason (R): Heating a substance causes a rise in temperature.
Mark the correct choice as
(a) Both A and R are true but R is the correct explanation of assertion.
(b) Both A and R are true but R is not correct explanation of assertion.
(c) A is true but R is false.
(d) A is false but R is true.

PROJECT:

- In this summer break plan a get together party at your home.
- **Eng:** Make an impressive and eye-catching invitation card to invite your friends.
- **Hindi:** अपने मित्र को उसके जन्मदिवस पर शुभकामनाएं देते हुए प्रकृति के विभिन्न उत्पादानों (जैसे- पृथ्वी, बादल, पेड़ या पत्ते) के आकार का एक सुंदर एवं आकर्षक ग्रीटिंग कार्ड बनाएं।
- **Punjabi:** ਆਪਣੇ ਜਨਮ ਦਿਨ 'ਤੇ ਕੀਤੇ ਕਿਸੇ ਵੀ ਭਲਾਈ ਦੇ ਕਾਰਜ ਬਾਰੇ ਇਕ ਪੈਰਾ ਲਿਖੋ ।
- **Maths:** Plan your birthday party. Make a list of items you would need for the party. Write expenses for each and represent it in the form of fraction and decimal.
- **Science:** How the birthday parties increase garbage? How we can reduce it? Write one-one paragraph for each.
- **S.St:** Make a Road-Map from BCM school to the destination.

