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**BCM SCHOOL**  
SENIOR SECONDARY

*BASANT*  
Venue

# HOLIDAYS HOME WORK



**CLASS VII**

**Project Title:  
The Living Heritage: Cultures  
Across India**


## General Instructions:

- Use A4-sized sheets for all assignments.
- Maintain neat handwriting and organize content with clear headings and subheadings.
- Include a cover page for each subject, mentioning your name, class, roll number, and subject.



# SCIENCE

**Topic Selection:** Choose a traditional practice related to farming, cooking, or medicinal plants. Examples include:

- Using neem leaves to repel insects.
  - Traditional rainwater harvesting methods.
  - Herbal remedies for common ailments.
  - Seed preservation techniques.
  - **Research:**
    - Interview elders or community members to understand the practice. If elders are unavailable, conduct research using credible online sources.
  - **Documentation:**
    - Explain how the practice benefits nature and the environment.
    - Provide a scientific explanation of how the practice works.
    - Include drawings, photos, or charts to illustrate your findings.
    - Present your report on A4-sized sheet.
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## Project Title: Interview a Culture Keeper

- **Interview Preparation:**
  - Identify a grandparent, parent, or elder in your family or neighborhood.
  - Prepare 10 thoughtful questions about a traditional cultural practice they have experienced or followed.
- **Interview Execution:**
  - Conduct the interview and record the answers neatly.
  - Clearly mention:
    - The name and relation of the person interviewed.
    - The cultural practice discussed.
- **Presentation:**
  - Include a relevant picture or drawing to support your project.
  - Compile the interview on an A4-sized sheet

**Write the meaning of the given words in Hindi & Punjabi on A4 Size ruled sheets and learn their spellings.**

1. Anticipate 2. Abundant 3. Amiable 4. Appealing
5. Benevolent 6. Chaos 7. Elaborate 8. Emphasize
9. Essential 10. Endure 11. Extrovert 12. Enhance
13. Optimism 14. Feasible 15. Gait 16. Vital 17. Introvert
18. Numerous 19. Oblige 20. Prompt 21. Serene
22. Unique 23. Versatile 24. Vivid 25. Vivacious

**Note – A written test on the same will be held after Summer Break.**



1. On subtracting -15 from -9, we get  
a) -6 b) -24 c) 6 d) 24
2. To get 40, the number  $6\frac{2}{9}$  should be multiplies with  
a)  $7\frac{3}{6}$  b)  $6\frac{3}{7}$  c)  $3\frac{6}{7}$  d)  $6\frac{2}{7}$
3.  $1.004 - 0.4$  is equal to  
a) 0.006 b) 1 c) 0.604 d) 0.640
4. The rational no. which is neither positive nor negative is  
a) 0 b)  $\frac{1}{0}$  c) 1 d) -1
5. A parallelogram has \_\_\_\_ lines of symmetry.  
a) 1 b) 2 c) 3 d) No
6. How many lines of symmetry are there in the no eight(8)? What is the order of its rotational symmetry?
7. By what rational number should we multiply -36, so that the product is 20?
8. Divide the sum of  $\frac{13}{5}$  and  $\frac{4}{15}$  by their difference.
9. The cost of 10.85 meter of ribbon is Rs. 238.70. Find the cost of one meter of ribbon.
10. Rajni's monthly income is Rs. 21000. Her monthly expenses are  $\frac{6}{7}$  of her income. How much does she saves every month?
11. Priyanka bought 25 apples. She kept 13 apples with her and distributed the remining apples equally among her three friends. How many apples did each of her friends get?
12. Write down a pair of integers whose sum is -9.
13. In a class of 40 students,  $\frac{1}{5}$  of the total no of students like to study English,  $\frac{2}{5}$  of the total no. like to study mathematics and the remaining students like to study science. Based on the above information, answer the following questions:  
a) How many students like to study English?  
b) How many students like to study mathematics?  
c) What fraction of the total no. of students like to study science?







14. A shopkeeper earns a profit of Rs.1 by selling one pen and incurs a loss of 40 paise per pencil while selling of her old stock. Based on the above information, answer the following questions:

- a) In a particular month, she incurs a loss of Rs.5. In this period, she sold 45 pens. How many pencils did she sell in this period?
- b) In the next month, she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?
- c) In the next month, she sold 50 pens and incurs a gain of Rs. 40. How many pencils did she sold?

15. Rahul and Sneha are classmates in class VII. During a group activity, students are asked to perform different operations with rational nos. Rahul chooses the nos.  $\frac{3}{4}$  and  $\frac{-5}{6}$  and Sneha chooses  $\frac{-2}{3}$  and  $\frac{7}{9}$ . Based on the above information, answer the following questions:

- a) Is 0 a rational no.?
- b) Arrange the rational nos.  $\frac{-1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{-2}{3}$  in ascending order.
- c) Multiply the rational nos.  $\frac{-2}{3}$  and  $\frac{3}{4}$ .



- विरासत- ए -खालसा का वर्णन करते हुए अपनी यात्रा का अनुभव अपने मित्र को एक पत्र द्वारा लिखिए।
- प्रेरणा पीठ की पुस्तक को ध्यान से पढ़िए और संबंधित पुस्तिका में दिए गए प्रश्नों के उत्तर सुंदर लेख में लिखें।





**Project Title: The Living Heritage: Cultures Across India**

**Tasks:**

**a. Map Activity:**

- **Locate and mark Punjab and Odisha on the political map of India.**

**b. Cultural Documentation:**

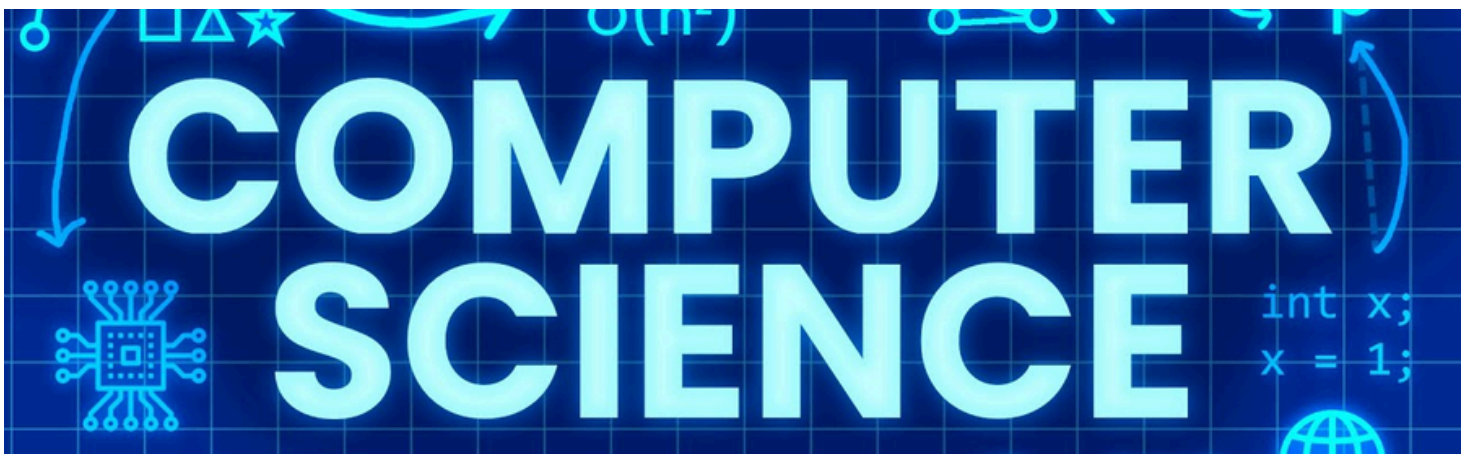
- **On an A4 sheet, document the following aspects of the assigned state:**
  - **Traditional Food**
  - **Clothing**
  - **Dance Forms**
  - **Famous Monuments**
  - **Major Festivals**

**Enhance the sheet with pictures, diagrams, or illustration**



**ਸ੍ਰੀ ਹਰਿਮੰਦਰ ਸਾਹਿਬ ਜਾਂ ਅਨੰਦਪੁਰ ਸਾਹਿਬ ਦੇ ਇਤਿਹਾਸਿਕ ਪਿਛੋਕੜ ਨੂੰ ਇੱਕ ਪੈਰ੍ਹੇ ਦੇ ਰੂਪ ਵਿੱਚ ਲਿਖੋ।**





1. APPLY DIFFERENT FUNCTION OF IN EXCEL LIKE MIN, MAX , COUNT AND AVERAGE ON GIVEN DATA.
2. CREATE A PIE CHART / BAR CHART/ LINE CHART/ COLUMN CHART FOR ABOVE GIVEN TABLE IN MICROSOFT EXCEL/MOBIOFFICE/GOOGLE SHEETS (ANDROID USERS).

State/UT	Total Population	Male Population	Female Population	Literacy Rate (%)
Kerala	33,406,061	16,167,000	17,239,061	94.00
Lakshadweep	64,473	32,000	32,473	91.85
Mizoram	1,091,014	533,000	558,014	91.33
Goa	1,458,000	722,000	736,000	88.70
Tripura	3,671,032	1,850,000	1,821,032	87.22
Delhi	16,787,941	9,106,000	7,681,941	86.21
Chandigarh	1,055,450	558,000	497,450	86.05
Puducherry	1,247,953	620,000	627,953	85.85
Himachal Pradesh	6,864,602	3,436,000	3,428,602	82.80
Maharashtra	112,374,333	58,441,000	53,933,333	82.34
Sikkim	610,577	305,000	305,577	81.42
Punjab	27,743,338	14,153,000	13,590,338	75.84
Haryana	25,353,081	13,738,000	11,615,081	75.55
Karnataka	61,095,297	30,786,000	30,309,297	75.36
Uttar Pradesh	199,812,341	104,000,000	95,812,341	67.68
Jharkhand	32,966,238	16,553,000	16,413,238	66.41
Rajasthan	68,548,437	35,058,000	33,490,437	66.11