PM SHRI K.V. MUZAFFARNAGAR [SHIFT 2]
SUMMER VACATIONS HOMEWORK (2026-27)

CLASS - 7 SUBJECT : COMPUTER

1. Do all the work on A4 Size Chart Paper (White color) and keep in a transparent folder.
2. First page of file should contain- name of school- KVS MZN, Shift-2, Title - Summer Holiday Homework (2026-27), Subject - Computer

Submitted to :
Mr. Ajay Kr. Goel
(Computer Instructor)

Submitted by:
Name of Student: .....
Class : ..... Section: ..... Roll No.:.....

ASSIGNMENTS

Q.A What is a Number System. Describe Decimal and Binary Number System with example.

Q.B How to Convert a Decimal Number to Binary Number system.

Q.C Convert following Decimal number to binary number.

$(39)_{10} = (?)_2$

$(27)_{10} = (?)_2$

Q.D What is a Base Value. Write Base Value of Decimal, Binary and Octal Number system.

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SUBJECT - HINDI

कक्षा 7

1. शब्द-भंडार वृक्ष: एक बड़े चार्ट पेपर पर 'शब्द-वृक्ष' बनाएँ। इसमें पुस्तक के पाठों से चुनकर 10 तत्सम, 10 तद्भव और 10 विदेशी शब्दों को पत्तियों के रूप में चिपकाएँ और उनके अर्थ लिखें।
2. मुहावरा संकलन: पाठ्यपुस्तक में आए किन्हीं 10 मुहावरों को ढूँढकर उनके अर्थ लिखिए और उनका वाक्यों में प्रयोग कीजिए।
3. प्रकृति का अवलोकन: अपनी छुट्टियों के दौरान प्रतिदिन किसी एक पौधे के बढ़ते स्वरूप को देखें और उसकी प्रगति को एक 'डायरी' में नोट करें। साथ ही, उस पौधे का एक रेखाचित्र (Sketch) भी बनाएँ।
4. इस गर्मी में पानी बचाने के 5 तरीके लिखिए और अपने घर में उन्हें लागू करने का संकल्प लें।

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SUBJECT – YOGA

1.Write about yoga

Write 5-6 lines on :

- What is yoga.
- Improvements of yoga in daily life.
- Benefits of yoga for students.

2.Draw and explain any five yoga asanas:

Paste or draw pictures and write:

- Steps to do the asanas-
- Benefits of the asans-

Suggested asanas:

- Tadasana
- Vrikshasana
- Bhujangasana
- Paschimotasana
- Halasana

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3. Daily yoga practice chart.

Make a table and record your practice for 10 days.

Day.	Yoga practice.	Time
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

4. Write about paranayam.

- Anulom vilom
- Kapalbhati

5. Yoga slogans.

- " Yoga for healthy life".
- "Yoga brings peace".
- "Daily yoga,daily energy".

6.conclusion.

- Write 8-10 lines on how yoga helps maintain physical and mental health.

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CLASS VII Social Science

Instructions: Complete Each Activity in Activity Book

Skill Based :

1. Students to record their travels for a few days or a week, including trips to the grocery store, or any other place they visit. And answer the following question

*Mode of transport — did they walk? Ride a bus? Ride in a car?

* Approximate distance of the trip

* How much fuel is consumed

*Possible alternative modes of transport .

2. Make a tree sketch of your family and include different generations in it with proper captions. From your Grand Parents side, conduct an interview with any elderly family member and ask question from their own periods (atleast 10 question)

3.Completion of syllabus:

Complete the notes and exercise of 'Environment, On Equality, Tracing changes through a thousand years and Inside Our Earth'(Do in Class Notebook)

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5.Subject Enrichment:

i) Interview your mother or another member of your family to find out their life, now divide their life into different periods and list out the significant events in each period. Also explain the basis of your periodisation.

ii) Make a model of Rock Cycle (Model) iii) Make a poster or Collage on

"Save environment from human being"

iv)Ask the problem from following people from your society which they are facing because of inequality in the society and what will you do to stop that inequality from their life? a) cook b) maid c) cleanliness worker

<u>Worksheet</u>

Q1. What is environment?

Q2. Why is our environment changing?

Q3. What does lithosphere provide us?

Q4. On _____ every year World Environment Day is celebrated.

(a) 5 June

(b) 5 July

(c) 25 June

(d) 25 July

Q5.Grinding stones used to prepare paste/powder of spices and grains are made of sedimentary. (T/F)

Q6.Describe the interior of the earth.

Q7.What are minerals? How are they useful for mankind?

Q8. In the _____ century British historians divided the history of India into three periods: "Hindu", "Muslim" and "British".

A. 18th century

B. Middle of 19th century

C. 17th century

D. 20th century

Q9. What was the process of copying manuscript? What were its drawbacks?

Q10. Trace out the major changes in the society during 700 and 1750? What was its main reason?

Q11. What do you mean by archives?

Q12.The _____ scheme is one of the steps taken by the government to reduce inequality.

Q13.The basis/bases for inequality is/ are _____

i)Gender iI)Economic status iii)Religion iv)All of the above

Q14. Describe the incident of a day with Rosa Parks. What did the incident lead to?

Q15. What is a major challenge to democracy?

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Class VII - ENGLISH

Read Chapter 1 from your English textbook carefully and do the following:

1. Write the summary of the chapter in 100 words.
2. Write 10 sentences about your favourite character from the chapter.
3. Find and write:
   - 10 difficult words with meanings
   - 5 synonyms
   - 5 antonyms
4. Frame 5 questions and answers from the chapter.
5. Write your favourite scene from the chapter and explain why you liked it.
6. Write two paragraphs (80–100 words each):
   - Importance of Trees
   - My Favourite Teacher

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SUMMER VACATIONS HOMEWORK (2026-27)

Class-7 **Subject=Mathematics**

Instructions for Submission:

- Use Homework notes for solving and don't write solutions from the google/internet.
- Submission Date: First day after summer vacation.
- All work must be handwritten.
- Marks will be awarded for neatness, completeness, and creativity.

☞ SECTION A: FUN ACTIVITY WORK (Do in Notebook)

1. Large Numbers Activity
   Paste newspaper cuttings showing large numbers (population, budget, etc.) and:
   Write them in words.
2. Fractions in Real Life
   Observe your kitchen: Write 5 examples of fractions (½ kg, ¼ litre, etc.)
   Convert them into decimals

☞ SECTION B: PRACTICE QUESTIONS

Q1. Write in expanded form: a) 5,06,309 b) 9,80,105

Q2. Solve: a) 25 + (36 × 4) b) 80 ÷ 5 + 12

☞ SECTION C: COMPETENCY-BASED QUESTIONS (CBQs)

Case Study 1: School Picnic

A school bus has capacity of 50 students.
There are 3 buses and 128 students.

Answer:

1. How many seats are empty?
2. If each bus has equal students, how many students per bus?

Case Study 2: Grocery Shop

A shopkeeper sells:

½ kg sugar
¾ kg rice

Questions:

1. Total quantity sold?
2. Convert total into decimal

Case Study 3: Pocket Money

Rahul gets ₹50 per day for 6 days.
He spends ₹120.

Questions:

1. Total money received
2. Money left

Section D(MDP

Visit a shop and observe

☞Write details of any three products and calculate discount or profit

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SUMMER VACATIONS HOMEWORK (2026-27)

कक्षा - 7 | विषय: संस्कृत

(पाठ-1: दीपकम)

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1. कंठस्थीकरणम् (याद करना)

- अपनी पाठ्यपुस्तक के प्रथम पाठ 'दीपकम' के किन्हीं **दो श्लोकों** को शुद्ध उच्चारण के साथ याद करें और अपनी उत्तर पुस्तिका में सुंदर लेख में लिखें।

2. शब्दार्थ लेखनम् (शब्दों के अर्थ)

पाठ में आए किन्हीं 10 कठिन शब्दों को चुनकर उनके अर्थ लिखें। उदाहरण के लिए:

- **दीपकम:** दीपक को
- **प्रकाशते:** प्रकाशित होता है
- **कुलदीपकम:** कुल का दीपक

3. रचनात्मक कार्यम् (Creative Work)

- A4 साइज पेपर या अपनी कॉपी में एक **दीपक का सुंदर चित्र** बनाएँ और उसमें रंग भरें।
- उस चित्र के नीचे श्लोक की वह पंक्ति लिखें जिसमें दीपक की तुलना सुपुत्र से की गई है।

4. व्याकरण बोध: (सन्धि और पद-परिचय)

पाठ में आए निम्नलिखित शब्दों का वर्ण-विच्छेद करें:

1. बालक:

2. प्रकाश:

3. विद्या

किन्हीं पाँच संज्ञा शब्दों को चुनकर उनके लिंग (पुल्लिंग/स्त्रीलिंग/नपुंसकलिंग) पहचान कर लिखें।

5. भाषा चिन्तन (अनुवाद)

निम्नलिखित पंक्तियों का हिंदी में भावार्थ (अनुवाद) लिखें:

- "चन्द्रो दीपकम सन्ध्याकाले..." (शाम के समय चंद्रमा दीपक है...)
- "त्रैलोक्ये दीपकम धर्म:..." (तीनों लोकों में धर्म दीपक है...)

निर्देश:

1. समस्त कार्य स्पष्ट और साफ सुथरा होना चाहिए।
2. चित्रों का प्रयोग अवश्य करें ताकि कार्य आकर्षक लगे।
3. प्रतिदिन एक पेज सुलेख (Writing) संस्कृत में अवश्य लिखें।

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Grade: 7 **Total Marks:** 40

Chapters: Geographical Diversity of India & New Beginnings: Cities and States

Section A: Multiple Choice Questions (14 x 1 = 14 Marks)

1. Which mountain range acts as a natural barrier in the north of India?

   a) Aravali b) Himalayas c) Vindhyas d) Satpura

2. The fertile region formed by the deposition of silt by the Indus, Ganga, and Brahmaputra is known as:

   a) Peninsular Plateau b) Coastal Plain c) Northern Plains d) Thar Desert

3. Which of the following is a characteristic feature of the Deccan Plateau?

   a) Perennial rivers b) Black soil c) Snow-capped peaks d) Sand dunes

4. The standard meridian of India passes through which city?

   a) Mumbai b) Mirzapur c) Kolkata d) Chennai

5. Lakshadweep Islands are located in the:

   a) Bay of Bengal b) Indian Ocean c) Arabian Sea d) Pacific Ocean

6. The "Great Indian Desert" is also known as:

   a) Sahara b) Gobi c) Thar d) Ladakh

7. Which river is known as the 'Dakshin Ganga'?

   a) Krishna b) Godavari c) Cauvery d) Narmada

8. The "Second Urbanization" in India began around:

   a) 2500 BCE b) 1500 BCE c) 600 BCE d) 1000 CE

9. Which of these was a powerful 'Mahajanapada'?

   a) Magadha b) Pataliputra c) Taxila d) Hampi

10. The system of "Varnas" became more rigid during the:

    a) Harappan period b) Vedic Period c) Mauryan Period d) Gupta Period

11. A 'Gana-Sangha' was a form of government characterized by:

    a) Hereditary Monarchy b) Oligarchy/Rule by many Rajas c) Military Dictatorship d) Religious Rule

12. Which city served as the capital of Magadha before Pataliputra?

    a) Vaishali b) Rajagriha c) Ujjain d) Varanasi

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13. The use of _____ helped in clearing forests and increasing agricultural production during the new beginnings of states.

a) Copper tools b) Bronze plows c) Iron tools d) Stone axes

14. Which ruler is credited with the final expansion of Magadha into an empire?

a) Bimbisara b) Ajatashatru c) Chandragupta Maurya d) Ashoka

Section B: Short Answer Questions (4 x 3 = 12 Marks)

15. Describe three distinct features of the Himalayan Mountains.

16. How did the discovery of Iron impact the formation of early states and cities?

17. Explain the difference between a Monarchy and a Gana-Sangha with examples.

18. Why are the Northern Plains of India so densely populated? Provide three reasons.

Section C: Long Answer Question (1 x 6 = 6 Marks)

19. Compare and contrast the life of people in the Peninsular Plateau with those living in the Coastal Plains.

OR

Discuss the rise of Magadha as the most powerful Mahajanapada. What factors contributed to its supremacy?

Section D: Case-Based Question

20. Read the passage below and answer the following questions: 1+1+2

"The Northern Plains are formed by the alluvial deposits brought by the rivers. These plains extend from the Punjab in the west to Assam in the east. The soil is very fertile, making it the 'granary of India'. As agriculture flourished, trade increased, leading to the growth of ancient cities like Varanasi and Pataliputra along the river banks."

1. Name one river responsible for forming these plains.
2. Why are these plains called the 'granary of India'?
3. Explain the link between fertile soil and the growth of ancient cities as mentioned in the passage.

Section E: Map Work (5 x 1 = 5 Marks)

21. On an outline map of India, locate and label the following:

a) The Karakoram Range b) The Western Ghats c) Andaman and Nicobar Island

d) Magadha e) Vajji

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SUMMER VACATIONS HOMEWORK (2026-27)

SUMMER VACATION HOLIDAY HOMEWORK
CLASS – VII SUBJECT – SCIENCE

Chapters Covered:

1. The Ever-Evolving World of Science
2. Exploring Substances: Acidic, Basic, and Neutral
3. Electricity: Circuits and their Components
4. The Ever-Evolving World of Science • Write about 5 important scientific inventions and their uses.
   • Collect pictures of famous scientists and write a few lines about them.
   • Make a chart/model related to any scientific discovery.
5. Exploring Substances: Acidic, Basic, and Neutral • Identify 5 acidic, 5 basic and 5 neutral substances used in daily life.
   • Prepare a table showing their properties and uses.
   • Perform a simple litmus paper activity and record your observations.
6. Electricity: Circuits and their Components • Draw neat diagrams of:

- Simple electric circuit
- Electric cell
- Bulb
- Switch • Make a simple electric circuit using a battery, bulb and wire.
  • Write 5 safety rules related to electricity.

4. National Children's Science Congress (NCSC) Prepare a project file on any one topic: • Water Conservation
   • Clean Environment
   • Waste Management
   • Energy Saving

Include: • Aim
• Observation
• Survey
• Conclusion
• Pictures

5. INSPIRE Award Write one innovative idea mentioning: • Problem
   • Solution
   • Materials Required
   • Benefits

Examples: • Smart Water Saver
• Automatic Street Light
• Solar Fan
• Smart Dustbin