

# ASHOKA PUBLIC SCHOOL SARANGARH (C.G.)

## SUMMER VACATION HOLIDAY HOMEWORK 2025-26

### CLASS – XII SCIENCE

SUBJECT	TEACHER'S NAME	MOB. NO.	HOMEWORK
ENGLISH	K. K. PATEL	7987421564	Job Application & Bio data Formal Invitation and reply Summary writing- The last Lesson * The Rattrap * Lost spring * The third level * Indigo.
PHYSICS	P. NAIK	9556207508	1. write all PYQ of chapter 1&2 from given pdf. 2. complete your fair copy 3. solve exercise from NCERT book.
CHEMISTRY	A. BANJARA	8103601462	*Solve all the in-text Q. of Chapter-1 (solution) and all the numerical & of the Exercise * Learn the electrochemical series *Learn the F and D block of Periodic, table with symbol and atomic number
PHYSICAL EDUCATION	B. D. BANJARE	9770976443	10 YOGA asana practice with names and benefits
HINDI	S. K. BHOI	7987239449	अनुच्छेद लेखन" 1. पर्यावरण प्रदूषण 2. वृक्षारोपण का महत्व 3. ग्लोबल वार्मिंग
INFORMATICS PRACTICES	K. SAHU	9009509512	<ul style="list-style-type: none"><li>• Install <b>Python</b> (if not done already) on your computer.</li><li>• Write and practice simple Python programs:<ol style="list-style-type: none"><li>1. Print "Hello, World!"</li><li>2. Take input from user and print it.</li><li>3. Simple arithmetic operations (Addition, Subtraction, Multiplication, Division).</li><li>4. Write a program to swap two numbers.</li><li>5. Find the square and cube of a number.</li><li>6. Check whether a number is even or odd.</li></ol></li></ul> <p>➡ Submit a printed or handwritten file containing the code snippets with sample outputs.</p>
MATHEMATICS	I. ALAM	8540098381	Refer Next Page

1. Show that the relation  $R$  on the set  $A = \{1, 2, 3, 4, 5\}$  given by  $R = \{(a, b) : |a - b| \text{ is even}\}$  is an equivalence relation.

Show that all the elements of  $\{1, 3, 5\}$  are related to each other and all the elements of  $\{2, 4\}$  are related to each other, but no element  $\{1, 3, 5\}$  is related to any element  $\{2, 4\}$ .

2. Show that the relation  $R$  on the set  $A = \{x \in \mathbb{Z} : 0 \leq x \leq 12\}$  given by  $R = \{(a, b) : |a - b| \text{ is a multiple of } 4\}$  is an equivalence relation. Find the set of all elements related to 1 in equivalence class  $[1]$ .

3. Check whether the relation  $R$  on  $\mathbb{R}$  defined by  $R = \{(a, b) : a \leq b\}$  is reflexive, symmetric or transitive.

4. Show that the relation  $R$  on  $\mathbb{R}$  defined as  $R = \{(a, b) : a \leq b\}$  is reflexive and transitive but not symmetric.

5. Show that the relation  $R$  on the set  $\mathbb{R}$  of all real numbers, defined as  $R = \{(a, b) : a \leq b^2\}$  is neither reflexive nor symmetric nor transitive.

6. Show that the relation  $R$  in the set  $\mathbb{Z}$  of integers given by  $R = \{(a, b) : 2 \text{ divides } a - b\}$  is an equivalence relation.

# ASHOKA PUBLIC SCHOOL SARANGARH (C.G.)

## SUMMER VACATION HOLIDAY HOMEWORK 2025-26

### CLASS – XII COMMERCE

SUBJECT	TEACHER'S NAME	MOB. NO.	HOMEWORK
ENGLISH	K. K. PATEL	7987421564	<ul style="list-style-type: none"><li>• Job Application &amp; Bio data</li><li>• Formal Invitation and reply</li><li>• Summary writing- The last Lesson<ul style="list-style-type: none"><li>* The Rattrap</li><li>* Lost spring</li><li>* The third level</li><li>* Indigo.</li></ul></li></ul>
ECONOMICS	YENU SHARMA	9109171175	<ul style="list-style-type: none"><li>• Complete notes of chapter 1(Indian Economy on the Eve of Independence) of Indian Economy</li><li>• Define the planning of Indian Government from 1950 to 1990</li></ul>
ACCOUNTANCY	MRUTYUNJAYA BEHERA	9556751589	Solve the practical problem of Fundamental of partnership (Q. 1 –Q. 60)
BST	MRUTYUNJAYA BEHERA	9556751589	Complete the notes of chapter 1(Nature and significance of management)
PHYSICAL EDUCATION	B. D. BANJARE	9770976443	Define 10 Yoga practices Asana with name and benefits
HINDI	S. K. BHOI	7987239449	अनुच्छेद लेखन" 4. पर्यावरण प्रदूषण 5. वृक्षारोपण का महत्व 6. ग्लोबल वार्मिंग
INFORMATICS PRACTICES	K. SAHU	9009509512	<ul style="list-style-type: none"><li>• Install <b>Python</b> (if not done already) on your computer.</li><li>• Write and practice simple Python programs:<ol style="list-style-type: none"><li>1. Print "Hello, World!"</li><li>2. Take input from user and print it.</li><li>3. Simple arithmetic operations (Addition, Subtraction, Multiplication, Division).</li><li>4. Write a program to swap two numbers.</li><li>5. Find the square and cube of a number.</li><li>6. Check whether a number is even or odd.</li></ol></li></ul> <p> Submit a printed or handwritten file containing the code snippets with sample outputs.</p>

NOTE: Prepare a separate copy for Holiday Homework with proper index.

It is mandatory for all the students to write one page daily FROM YOUR ECO AND BST BOOK of in systematic manner.