DAV PUBLIC SCHOOL ,PTPS PATRATU

HOLIDAY HOMEWORK(2026-27)

CLASS XI COM

English

D.A.V PUBLIC SCHOOL PTPS PATRATU
SUMMER VACATION HOLIDAY HOMEWORK
CLASS XI- ENGLISH

Q1. Fill in the blanks with suitable forms of the verbs given in the brackets

The newspaper recently _____ (carry) a report of a man in search of his newly born twin. The babies were missing at the hospital where his wife _____ (give) birth to them. The hospital authorities _____ (claim)that the babies _____ (die)but they refused to handover _____ (their/there) bodies .Now, the unfortunate father _____ (lodge) a complaint with the police.

Q2. You are Chandan Dwivedi of sector 5, Noida, wishing to put your 3 BHK flat on rent. Draft a classified advertisement for the same ,giving all details and amenities.

Q3. Describe Khushwant's grandma in detail. Why does she appear like a winter landscape in the mountains?

Q4. " we are not afraid to die " is a story of togetherness and its power' Discuss.

Q5. Grandmother accepted her seclusion with resignation implies_

a. Grandmother resigned from her job
b. Grandmother secluded herself from the family in revolt
c. Grandmother accepted her isolation by by retiring from all family affairs
d. None of these.

Q6. The overall tone of the poet in the poem Photograph is that of

a. Dejection
b. Rejoice
c. Nostalgia
d. Peace and calm

Q7. Prepare a report on the increasing number of abandoned parents and their plight in our society, giving case studies and current data. In A4 size paper with pictures and illustrations.

PREPARE PROPER NOTEBOOK.

Section A: Sets

1. Define the following with suitable examples:
   a) Set
   b) Roster form and Set-builder form
   c) Empty set
   d) Finite and Infinite sets

2. Write the following sets in roster form:
   a) A = {x : x is a natural number less than 10}
   b) B = {x : $x^2 < 25$, x ∈ ℕ}

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3. Identify the type of sets:
   a) A = {1, 2, 3}, B = {3, 2, 1}
   b) A = {x : x is even}, B = {2, 4, 6}

4. Check whether the following sets are equal:
   a) A = {1,2,3}, B = {3,2,1}
   b) A = {x : $x^2 = 4$}, B = {–2, 2}

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5. Let A = {1,2,3,4}, B = {3,4,5,6}. Find:
   a) A ∪ B
   b) A ∩ B
   c) A – B
   d) B – A

6. Verify De Morgan's Laws using sets:
   (A ∪ B)' = A' ∩ B'

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7. In a class of 50 students:
   - 30 like Math's
   - 25 like Science
   - 10 like both

   Find:
   a) Students who like only Math's
   b) Students who like only Science
   c) Students who like neither

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8. Prove that:
   A – (B ∪ C) = (A – B) ∩ (A – C)

9. If $A \subseteq B$, prove that $A \cap B = A$

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10. In a survey of 100 students:

- 60 like Cricket
- 45 like Football
- 25 like both

Answer:
a) How many like only Cricket?
b) How many like only Football?
c) How many like neither?
d) Represent using Venn diagram

Section B: Relations

1. Define:
   a) Relation
   b) Domain and Range
   c) Cartesian Product
2. If $A = \{1,2\}$ and $B = \{3,4\}$, find $A \times B$

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4. Represent the relation $R = \{(1,2), (2,3), (3,1)\}$ using:
   a) Arrow diagram
   b) Matrix form

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6. Find domain and range of R. Also find inverse relation of R
   $R = \{(1,2), (2,3), (3,4)\}$
7. If A has 3 elements and B has 2 elements, find number of relations from A to B.

Section C: Competency-Based Questions

1. If $n(A) = 3$ and $n(B) = 4$, find $n(A \times B)$.
2. If $A = \{1,2,3\}$ and $B = \{2,3,4\}$, verify: $A \cup B = B \cup A$.
3. How many subsets does a set with 5 elements have?