

I. Give an appreciation of the poem "Stopping by woods on a snowy evening" (5)

II. Quote from memory: (5)
 Of easy ----- before I sleep

III. Answer the following questions: (5)

1. Between the woods and frozen lake
 The darkest evening of the year
 a) Where is the poet? b) What is the season referred here?

2. Whose woods are these I think I know
 His house is in the village though
 a) Who is 'the' referring to? b) Where is the house?

3. He gives his harness bells a shake
 to ask if there is some mistake
 a) Why does 'he' give his harness bells a shake?

IV. Answer the following: (5)

1. My little horse must think it queer
 To stop without a farmhouse near
 Between the woods and frozen lake
 The darkest evening of the year
 a) Pick out the rhyming words
 b) What is the rhyme scheme used here?
 c) Mention the figure of speech used in last line.

2. He give his harness bells a shake
 To ask if the is some mistake
 The only other sounds the sweep
 a) What is the figure of speech applied in second line
 b) Pick out the alliteration

V. Give homophones for the given words: (5)

1. To 2. Farmer 3. Principle 4. Check 5. Watt

I. Choose the best answer: 3x1=3

1. $(A \cup B)'$ = _____
 a) $A' \cup B'$ b) $A' \cap B'$ c) $A' - B'$ d) $B' - A'$

2. Which one of the following is true?
 a) $A-B=A \cap B$ b) $A-B=B-A$
 c) $(A \cup B)' = A' \cup B'$ d) $(A \cap B)' = A' \cup B'$

3. $A \cap (A \cup B)' =$ _____
 a) $B-A$ b) \emptyset c) $A-B$ d) $A \cup B$

II. Answer the following: 6x2=12

4. $U = \{-2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{-1, 1, 3, 5, 7, 9\}$
 and $B = \{-2, 1, 4, 7, 10\}$ then find
 i) $A' \cup B'$ ii) $A' \cap B'$

5. Write the demorgan's law for set difference.

6. If $K = \{a, b, d, e, f\}$, $L = \{b, c, d, g\}$, $M = \{a, b, c, d, h\}$ then find
 i) $K \cup (L \cap M)$ ii) $K \cap (L \cup M)$

7. Verify $(A \cap B)' = A' \cup B'$ using Venn diagram

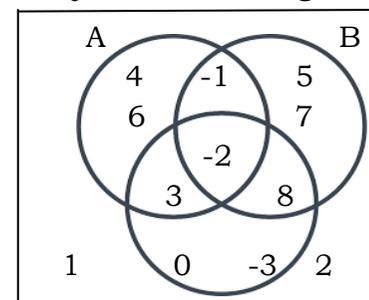
8. If $A = \{-2, 0, 1, 3, 5\}$, $B = \{-1, 0, 2, 5, 6\}$ and $C = \{-1, 2, 5, 6, 7\}$ then show that $(A \cap B)' = A' \cup B'$

9. $P = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $Q = \{1, 3, 5, 7, 9\}$, $R = \{2, 3, 5, 7, 11, 13\}$, find $P - (Q \cap R)$

III. Answer the following: 2x5=10

10. Verify $A - (B \cup C) = (A - B) \cap (A - C)$ using venn diagram.

11. Using the adjacent Venn diagram, find the following sets.



i) $A' \cap B'$ ii) $A' \cup B'$ iii) $(B \cup C)'$ iv) $A - (B \cap C)$ v) $A - B$