



# परमाणु ऊर्जा शिक्षण संस्था

## Atomic Energy Education Society उत्तर कुंजी / Answer Key (2025-26)

कक्षा /Class: VIII विषय /Subject: Mathematics माह/ Month: \_\_\_\_\_ अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Part 2, Chapter 3 (PROPORTIONAL REASONING - II)

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### I. MULTIPLE CHOICE QUESTIONS:

1. (c) Piechart 4. (a) Decrease 7. (b) 49: 56: 72 10. (b) 15
2. (d)  $360^\circ$  5. (a) 98 8. (a) 6: 9: 21
3. (b) Direct 6. (c) 45 9. (c) 6

### II. SHORT ANSWER TYPE QUESTIONS:

1.  $120^\circ, 96^\circ, 84^\circ, 60^\circ$  3. (a) 5 km; 5: 1 (b) 12.5 km; 25: 2
2. (a) Rs 1800 (b) Rs 1800 4. 3360 g 5.  $54^\circ, 36^\circ, 90^\circ$

### III. LONG ANSWER TYPE QUESTIONS:

1. Angles of each activity for piechart:  $30^\circ, 15^\circ, 90^\circ, 30^\circ, 45^\circ, 30^\circ, 120^\circ$
2. Abhinav' s share = Rs 80, 000; Profit = Rs 12, 000  
Shrut' s share = Rs 20, 000; Profit = Rs 3, 000  
Vijay' s share = Rs 60, 000; Profit = Rs 9, 000  
Kabir' s share = Rs 40, 000; Profit = Rs 6, 000
3. A: B: C :: 21: 35 : 15, any 2 pcorrect proportionate are considerable.
4. White = 300 mL, Yellow = 500 mL, Blue = 200 mL

### IV. CASE - BASED QUESTIONS:

1. (a) 84, 000 (b) 60, 000 (c) 92, 400 (d) 66, 000
2. (a) Rs 15, 000 (b) Rs 37, 500 (c) Rs 19, 500 (d) Rs 78, 000