

# SNAP 2023 Question Paper

## (December 10 - Memory-Based)

Shift 1

### Logical Reasoning

Ques 1. Roy bought articles at Rs 20 per item. He sells them for Rs, Rs 4, Rs 6. He intends to make a profit of at least 40%. What will be the min number of articles he should sell?

- A. 28
- B. 25
- C. 27
- D. None

Ques 2. The letters of the word MINUTE are arranged so that the vowels occupy only odd positions.

- A. None
- B. 48
- C. 36
- D. 32

### Quant

Ques 1. During an event 160 participants participated. They were grouped into male and female. There were 1240 apples to be distributed among them. If each male gets 7 apples and each female gets 12 apples, find the number of females in the event.

- A. 26
- B. 28
- C. 30
- D. 24

Ques 2. In a decreasing AP, the sum of the terms except 1st term is -75, sum of all the terms except for the last term is 0, the difference between the 9th term and the 13th term is -20. Then find the 1st term?

- A. None
- B. 35
- C. 25
- D. 30

State	% of Population below Educational Index	Proportion of Males & Females	
		Below Educational Index	Above Educational Index
Gujarat	15	3:2	2:1
Delhi	20	1:3	3:1
Rajasthan	18	3:4	1:4
MP	12	2:5	2:3
Punjab	11	3:5	4:5
UP	16	2:3	5:1
Kerala	10	1:5	3:2

Ques 3. If male population above Educational index in UP is 1.6 lakhs find the total population of UP in approx value (in lakhs)

- A. 3.69
- B. 2.28
- C. 2.96
- D. 3.67

Ques 4. Imran sold a mobile phone for Rs. 17600 after a discount of 12%, he made a profit of 10%. If no discount is given, find the profit percentage.

- A. 12%
- B. 22%
- C. None
- D. 25%

Ques 5.  $3+2=7$ ,  $51+?=76$ ,  $32-8=-32$ ,  $12+3=21$

Ques 6. There are 4 positive numbers,  $\frac{1}{4}$ th of the average of all the numbers is 24 less than the value of the highest number. Average of the first 3 numbers is 32. Find the highest number.

- A. None
- B. 32
- C. 36
- D. 34

Ques 7. To select a group, an unbiased dice is rolled out. If the dice shows 1 then group x is chosen. If 2 or 3 is shown, group y is chosen and if 4, 5 or 6 is shown, group z is chosen. Group x has 3 girls and 2 boys, group y has 3 girls and 4 boys, and group z has 4 girls and 5 boys. The dice is rolled out and the group is chosen, if a girl is chosen then find the probability that is it chosen from group y.

- A.  $\frac{90}{293}$
- B.  $\frac{63}{293}$
- C.  $\frac{7}{90}$
- D. None

Ques 8. A & B work 5 hours a day and complete work in 2 days. B and C work 5 hours a day and complete the same work in 4 days. A and C work 6 hours a day and complete the same in 2 days. How many days will A take to complete the work if he is working 5 hours a day alone?

- A. 5
- B. 12
- C. 3
- D. 15

**Answer Key**

**LR**

Questions	Answers
1	27
2	36

**Quant**

Questions	Answers
1	24
2	35
3	2.28
4	25%
5	5
6	32
7	$\frac{90}{293}$
8	3