

Venn Diagram

Directions (1 -4): Read the following information and answer the questions below.

In a coaching institute there are total 170 students and they studied different subject's viz. Economics, Maths and English. The ratio of students studying all 3 subjects to students studying at least 2 subjects is 2:9. The ratio of students studying only one subject to students studying at least 2 subjects is 8:9. Number of students taking Maths only exceeds number of students of Economics only by 14. Number of students studying English only exceeds number of students of Economics only by 12. Number of students studying English, Economics, and Maths is 90, 93, 97 respectively.

1. Number of students studying all three subjects is:

- a) 18
- b) 12
- c) 20
- d) None of these

2. Number of students studying no more than one subject is:

- a) 76
- b) 80
- c) 60
- d) can't be determined

3. Number of students using exactly two subjects is:

- a) 38
- b) 55
- c) 70
- d) none of these

4. The number of students who are studying both Economics and Maths but not English is:

- a) 23
- b) 40
- c) 36
- d) data insufficient

Directions (5 - 6): Read the following information and answer the questions below.

50 students sing, 60 students do not dance and 25 students do both in a class of 100 students.

5. How many students neither sing nor dance?

- a) 65
- b) 35
- c) 15
- d) Cannot be determined

6. How many students only dance?

- a) 10
- b) 15
- c) 20
- d) Cannot be determined

Direction (7-8): Read the following information and answer the questions below.

There are 120 employees who work for Airtel Pvt. Ltd. Mumbai, out of which 50 are women. Also:

- I. 56 workers are married
- II. 52 workers are graduate
- III. 40 married workers are graduate of which 18 are men
- IV. 30 men are graduate
- V. 30 men are married.

7. How many unmarried women are graduate?

- a) 21
- b) 24
- c) 19
- d) none of these

8. How many graduate men are married?

- a) 18
- b) 15
- c) 13
- d) none of these

Directions (9 - 10): Read the following information and answer the questions below.

In a school of 320 students: 85 students are in the band 200 students are on a sports teams 60 students participate in both activities

9. How many students weren't in either?

- a. 90
- b. 95
- c.100
- d. None of these

10. How many students were in band or sports?

- a. 225
- b. 200
- c. 250
- d. None of these

11. How many were in band, but not sports?

- a. 22
- b. 25
- c.30
- d. None of these

Q.11 A given company has 1500 employees. Of those employees, 800 are computer science majors. 25% of those computer science majors are also mathematics majors. That group of computer science/math dual majors makes up one third of the total mathematics majors. How many employees have majors other than computer science and mathematics?

- a. 200
- b. 300
- c. 400
- d. None of these

Q. 12 In a school, 70 students are taking classes. 35 of them will be taking Accounting and 20 of them will be taking Economics. 7 of them are taking both of these classes. How many of the students are not in either class?

- a. 21
- b. 22
- c. 63
- d. None of these

Directions (13 - 15): Read the following information and answer the questions below.

A school has some students. 90 students read Hindi, 75 students read mathematics, and 58 students read English. 36 read Hindi and mathematics, 35 Hindi and English, 25 English and mathematics. There are 18 students reading all three subjects.

Q. 13 What is the number of students, who study one subject only?

- a. 80
- b. 85
- c. 65
- d. None of these

Q.14 What is the number of students, who study at least two subject?

- a. 42
- b. 60
- c. 65
- d. None of these

Q.15 What is the number of students, who study at most two subjects?

- a. 110
- b. 127
- c. 120
- d. None of these

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