APTITUDE QUIZ

Set (1-5) Read the following information and answers the given questions.

In a college, three programming languages are taught. Out of 1200 students, each one is required to study at least one of the three languages which are BASIC, COBAL and C. 40 students study all the three languages. 404 students study only C, 222 students study only BASIC, 500 students study COBAL, 114 students study both C and BASIC and 388 students study only COBAL.

1. How many students study two programming languages only such that at least one of the two languages is COBAL?

(A) 36

(B) 72

(C) 48

(D) 60

(E) 80

2. What is the number of students who study exactly two languages?

(A) 146

(B) 126

(C) 136

(D) 156

(E) 132

3. If the number of students study C language is 554, then what is the number of students study BASIC language?

(A) 348

(B) 372

(C) 336

(D) 308

(E) 318

4. If the number of students study BASIC language is 384, then what is the number of students study both COBOL and C languages?

(A) 24

(B) 36

(C) 72

(D) 48

(E) 64

5. What is the total number of students study C and BASIC languages?

(A) 720

(B) 772

(C) 812

(D) 782

(E) 834

Set (6 – 10) Read the following information and answers the given questions.

Dhoni and kohli study in the same school and go to school by walk. Dhoni starts from his house at 8.20 a.m. usually. On Tuesday he walked at 6 km/hr and was late by 8 minutes. On Wednesday he increased his speed to 8 km/hr and reached 8 minutes early. Kholi starts from his house at 8.10 a.m. usually. On Tuesday, he walked at 6.5 km/hr and was late by 12 minutes. On Wednesday he increased his speed to 8 km/hr and reached 6 minutes early.

6. What is the distance from Dhoni house to School?

(A) 6.4 km

(B) 7.2 km

(C) 5.6 km

(D) 7.6 km

(E) None of these

7. If both Dhoni and Kohli reached the school at the right time on Thursday, what were their walking speeds respectively?

(A) 48/7 km/hr, 52/7 km/hr

(B) 49/8 km/hr, 27/4 km/hr

(C) 57/7 km/hr, 31/5 km/hr

(D) 61/9 km/hr, 33/7

(E) None of these

8. What is the distance from kohli house to school?

(A) 8 km

(B) 9.6 km

(C) 9.8 km

(D) 10.4 km

(E) 10.2 km

SET (9-11) Read the following information and answers the questions.

There are four mixtures of water and milk.

Mixture A contains water and milk in the ratio 5: 4

Mixture B contains water and milk in the ratio 1: 5

Mixture C contains water and milk in the ratio 4:5

Mixture B and C mixed in 1: 3 result in mixture D.

9. What is the ratio of water and milk in mixture D?

(A) 3:5

(B) 3:4

(C) 4: 3

(D) 5: 3

(E) 2: 3

10. In what ratio should mixture A and B be mixed in order to get mixture C?

(A) 2:3

(B) 3: 4

(C) 1:5

(D) 5: 2

(E) 2: 5

11. In what ratio should mixtures A and D be mixed so that the volumes of water and milk are equal in the resultant mixture?

(A) 4: 7

(B) 7: 4

(C) 9: 4

(D) 6:1

(E) 1:2

Set (12 – 16) Study the following passage and answers the questions.

A certain number of students are interested in different activities like Singing, painting and dancing. 240 of them are interested in only painting. The total number of students who are interested in both painting and singing is 6/5 of the number of students who are interested in only painting. 5/8 of the number of students interested in both painting and singing are interested in all the three activities. The number of students interested in both singing and dancing but not painting is the average of the number of students who are interested in only painting and the number of students who are interested in all the three activities. The number of students who are interested in only dancing is 30% more than the number of students who are interested in both singing and dancing but not painting. The number of students interested in singing is same as the number of students interested in dancing. The number of students interested in only singing is half the number of students interested in more than one activity.

12. How many students like any of the given activities?

(A) 1472

(B) 1498

(C) 1512

(D) 1523

(E) 1533

13. What percentage of the total number of students likes all the three activities?

(A) 12.23%

(B) 11.90%

(C) 13.33%

(D) 16.67%

(E) 14.28%

14. What is the difference between the number of people who like dancing but not painting and the number of people who like painting but not dancing?

(A) 145

(B) 125

(C) 175

(D) 135

(E) 150

15. How many students like exactly two activities?

(A) 477

(B) 457

(C) 468

(D) 448

(E) 486

16. How many students like only Dancing?

(A) 273

(B) 265

(C) 257

(D) 270

(E) 250

SET (17 – 20) Study the following paragraph and answer the questions.

In Chennai Anna University, the first year is a foundation program for all the students after which in second year the students can-opt for their major subject. In 2015, only 80% of the students passed the first year examination and all of those who passed joined in the second year. In 2015, only 20% of students of first year who passed the first year examination joined physical sciences, 30% joined the Arts stream, 40% joined commerce stream while others joined computer stream. Apart from those, some students from other universities who passed their first year also joined Chennai Anna University. Such students were 30% of the number of first year students from Chennai Anna University who passed 2015 examination. The number of students from other universities across physical sciences, Arts, commerce and computer streams are joined in Chennai Anna University were in ratio 1: 3: 4: 2 respectively. In

2015, the number of students in Arts stream in Chennai Anna University in second year was 780.

17. In 2015, what percent of science stream students in second year in Chennai Anna University were first year science stream students who pass-outs from Chennai Anna University only? (Approximately)

(A) 87%

(B) 83%

(C) 92%

(D) 77%

(E) 73%

18. What is the total number of students promoted to second year?

(A) 2500

(B) 2250

(C) 2000

(D) 1500

(E) 1750

19. What is the total number of students studying in Chennai Anna University in second year?

(A) 2000

(B) 2600

(C) 2300

(D) 2700

(E) 2400

20. What was the number of students in second year commerce stream in Chennai Anna University in 2015?

(A) 1040

(B) 1080

(C) 1050

(D) 1150

(E) 1200

ANSWER

1.B

2.A

3.B

4.E

5.C

6.A

7.A

8.D

9.A

10.D

11.C

12.C

13.B

14.D

15.E

16.A

17.A

18.C

19.B

20.A