

1.The air-conditioned bus service from Siruseri industry park runs at regular intervals throughout the day. It is now 3:12 pm and it has arrived 1 minute ago but it was 2 minutes late. The next bus is due at 3:18 pm. When is the next bus due?

A

3:27 pm

B

3:29 pm

C

3:24 pm

D

3:25 pm

2.Ayisha's age is  $\frac{1}{6}$  th of her father's age. Ayisha's father's age will be twice Shankar's age after 10 years. If Shankar's eight birthdays was celebrated two years before, then what is Ayisha's present age?

A

10 years

B

12 years

C

8 years

D

5 years

3.Sum of digits of a 5 digit number is 41. Find the probability that such a number is divisible by 11?

A

$\frac{2}{15}$

B

$\frac{11}{36}$

C

$\frac{3}{35}$

D

$\frac{6}{35}$

4. In a cricket match if a batsman scores 0, 1, 2, 3, 4 or 6 runs of a ball, then find the number of different sequences in which he can score exactly 30 runs of an over. Assume that an over consists of only 6 balls and there were no extra and no run outs.

A

86

B

56

C

71

D

65

5. The cost of the raw material of a product increases by 30, the manufacturing cost increases by 20, and the selling price of the product increases by 60. The raw material and the manufacturing cost, originally, formed 40 and 60 of the total cost respectively. If the original profit was one-fourth of the original manufacturing cost, find the approximation new profit percentage?

A

48.39%

B

54.68%

C

62.48%

D

42.36%

6. The numbers from 5 to 26 are written side-by-side as follows 567...2526. What is the remainder of dividing the resultant number by 9?

A.1

B.3

C.8

D.5

7. 32 times of a two digit number is 23 times the number obtained by reversing its digit. The sum of its digit is 15 Find the number:

A

96

B

69

C

87

D

Insufficient information

8.The 260<sup>th</sup> term of the series a,b,b,c,c,c,d,d,d,e,e,e,e,f,f,f,f,....is:

A.U

B.T

C.W

D.V

9.Twenty six men – 1,2,3,...25 and 26 participate in 10km running race on a circular track of length 100m. All of them start at the same time, from the same point and run in the same direction. Their speeds, taken in the order, are in increasing AP. The time taken by 26 to meet 1, for the first time after they start is 20 sec and the time taken by 13 to complete the race is 52 minutes and 5 seconds. Find the time taken (in seconds), for all the twenty six men to meet for the first time at the starting point.

A

1000

B

500

C

625

D

400

10.If CALM is written as HEOO , YEAR may be written as

A

DHDS

B

DTSH

C

DIDT

D

DHSR

11. At what angle the hands of a clock are inclined at 15 minutes past 5 ?

A

$72\frac{1}{2}$

B

64

C

$67\frac{1}{2}$

D

$58\frac{1}{2}$

12. Ten years ago, the age of mother was three times the age of her son. After ten years, mother's age will be twice that of his son. Find the ratio of their present ages

A

11:7

B

9:5

C

7:4

D

7:3

13. In a group of buffaloes and ducks the number of legs are 24 more than twice the number of heads. What is the number of buffaloes in the group?

A.6

B.18

C.12

