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SSC / BANK

APTITUDE QUIZ

Q1. Two fair coins are tossed. What is the most likely tail?

(A) $\frac{1}{2}$

(B) $\frac{1}{3}$

(C) $\frac{3}{2}$

(D) $\frac{3}{4}$

Q2. Three fair coins are tossed, what is the probability that the tail will hit at least 2 times?

(A) $\frac{1}{3}$

(B) $\frac{1}{6}$

(C) $\frac{1}{2}$

(D) $\frac{1}{8}$

Q3. What is the probability of getting more than 5 numbers by throwing a dice?

(A) $\frac{1}{2}$

(B) $\frac{1}{3}$

(C) $\frac{1}{5}$

(D) $\frac{1}{6}$

Q4. What is the probability of getting a sum of 9 by throwing a dice twice?

(A) $\frac{1}{3}$

(B) $\frac{1}{9}$

(C) $\frac{1}{12}$

(D) $\frac{2}{9}$

Q5. In one class, there are 15 boys and 10 girls. Three students are selected at random. How likely is it that 1 girl and 2 boys are selected

(A) $\dfrac{21}{46}$

(B) $\dfrac{25}{117}$

(C) $\dfrac{1}{50}$

(D) $\dfrac{3}{25}$

Q6 . From the summit of a building 7 meters high, the angle of elevation of the top of a tower is 60 0 and the angle of depression of the foot of the tower is 30 0 . What is the height of the tower ?

(A) 21 m
(B) 28 m
(C) 24 m
(D) 35 m

Q7 . A person 1.5 meters tall stands upright 28.5 meters from a tower. This person's eye makes an elevation angle of 45 0 from the top of the tower . What is the height of the tower ?

(A) 27 m
(B) 30 m
(C) 28.5 m
(D) 29 m

Q8 . A person is standing 50 meters away from a building. He makes angles of 60 0 and 45 0 respectively from the top and foot of the flag on the building . What is the length of this flag ?

(A) $50\sqrt{3}$ meter
(B) $50\sqrt{3}+2$ meter
(C) $15\sqrt{3}+1$ meter
(D) $50\sqrt{3}-1$ meter

Q9 . The door of a kite is 100 meters long and it makes an angle of 60 0 from the horizontal plane . What is the height of the kite from the ground floor ?

(A) $50\sqrt{2}$ meter
(B) $50\sqrt{3}$ meter
(C) 100 m
(D) $100\sqrt{3}$ meter

Q10 . The length of the diagonal of a rectangle is 8 cm. The angle between the side of a rectangle and the diagonal of this rectangle is 30 0. What is the area of this import ?
(A) 16
(B) $16\sqrt{3}$
(C) $8\sqrt{3}$
(D) 18

Q11 . Ram was born on 2 January 1946. What day of the week was that ?
(A) Monday
(B) Tuesday
(C) Wednesday
(D) Friday

Q12 . What day was October 19, 2000 ?
(A) Tuesday
(B) Thursday
(C) Friday
(D) Saturday

Q13 . What was the day of the week on 8 November 2018 ?
(A) Friday
(B) Saturday
(C) Sunday
(D) Thursday

Q14 . On which date was the first Monday in July 2007 ?
(A) July 1
(B) July 2
(C) 3 July
(D) 5 July

Q15 . Today is Tuesday. What day will it be 62 days from today ?
(A) Wednesday
(B) Tuesday
(C) Monday
(D) Sunday

Q16. Aman started a business by investing Rs. 40,000. After 6 months, Samanta became a partner by applying Rs 60000 and after 3 months after that he composed Rs 50000. What will be their profit ratio after 2 years ?
(A) 5:8:9
(B) 25:32:36
(C) 36:32:25
(D) None of these

Q17 . A started a business with a capital of Rs 45000. After some time B too became a partner in this business by applying Rs 54000. If divided in proportion to their advantage 2: 1 at the end of the year , so many months after the business started B made partner ?
(A) 4 months
(B) 5 months
(C) 6 months
(D) 7 months
(E) None of these

Q18 . A, B and C started a business together. Initially A invested some capital. 6 months after B made the capital twice before and 8 months after C of A put tripled capital. What will be C 's share of the total profit of Rs 27000 at the end of the year ?
(A) Rs.8625
(B) Rs.9000
(C) Rs.10800
(D) Rs.11250
(E) None of these

Q19 . A and B started a business by applying Rs 50000 and Rs 45000 respectively. Four months later A withdrew half of his capital and B withdrew one third of his capital at the same time. At this time C became a partner in the business by investing a total of Rs 70000. What will be C 's share of the profit of Rs 41400 at the end of the year ?
(A) Rs.17800
(B) Rs.16800
(C) Rs.18600
(D) Rs.18800
(E) None of these

Q20. Two partners A and B invested capital in a business in the ratio of 4: 5. 3 months after A has its capital part and B of its capital withdrawn part. After 10 months, what is A 's share out of the total profit of Rs 7600 . $\frac{11}{45}$

(A) Rs.3300
(B) Rs.3600
(C) Rs.3800
(D) Rs.4300
(E) None of these

ANSWER
1.D
2.C
3.D
4.B
5.A
6.B
7.B
8.D
9.B
10.D
11.C
12.B
13.D
14.B
15.C
16.D
17.D
18.B
19.B
20.A