

1. If n is an even integer, which of the followings must be an odd integer, [BKB (officer) – 2017]

A. $7n - 2$

B. $5(n - 2)$

C. $(16n + 24)/8$

D. $(6n + 12)/3$

Ans: C

2. Tamim runs diagonally across a rectangular field twice that has a length of 40 yards and a width of 30 yards. What is the length of the diagonal, in yards, that Tamim runs? [BKB (officer) – 2017]

A. 50 yards

B. 70 yards

C. 100 yards

D. 600 yards

Ans: A (Only diagonal not distance)

3. Solve the following inequality: $-2x - 5 > x - 2$ [BKB (officer) – 2017]

A. $x > 1$

B. $x < -1$

C. $x < 1$

D. $x > 3$

Ans: B

4. In a class 78 students, 41 are taking French and 22 are taking German. Of the students taking French or German, 9 are taking both courses. How many students are not enrolled in either course? [BKB (officer) – 2017]

A. 6

B. 15

C. 24

D. 64

Ans: C

5. If $3 - 6 \times 7 + 6 \div 4 = x$, what is the value of x ? [BKB (officer) – 2017]

A. -3.75

B. 37.5

C. -37.5

D.-40.5

Ans: C

6. What is the next number in the series 3,18, 90, 360,? [BKB (officer) – 2017]

A. 720

B.480

C. 1800

D.1080

Ans: D

7. If the hour hand of a clock is turned anticlockwise from 2 pm to 9 am, thoroughly how many degrees will it have turned? [BKB (officer) – 2017]

A.210

B.570

C.150

D.510

Ans: C

8. One third of a number is four times of eleven. What is the half of that number? [BKB (officer) – 2017]

A .66

B.44

C.132

D.264

Ans: A

9. Average of 6 numbers is 8.5. When one number is discarded, the average of the remaining numbers , becomes 7.2. What is the discarded number? [BKB (officer) – 2017]

A 7.8

B. 6.5

C.16

D.15

ans: D

10. The business partners Rahim, Sohel and Karim agree to divide their Total profit for a certain year in the ratio 2:5:8. If Sohel's profit was Taka 20,000 what was the total profit of the business for the year? [BKB (officer) – 2017]

A. Taka 800

B. Taka 32,000

C. Taka 52,000

D. Taka 60,000

Ans: D

11. What is the value of x in the figure below? [BKB (officer) – 2017]

A.36

B.5

C. 20

D. 10

Ans: B

(PICTURE WILL BE GIVEN IN PDF FILE)

12. Mr. A and Mr. B have a combined weekly salary of Taka 1,000. If salary of A is increased by 2.5 times and salary of B is increased by 1.5 times, the combined salary would be Taka 1600. What was the original salary of B? [BKB (officer) – 2017]

A. Taka 100

B. Taka 250

C. Taka 900

D. Taka 1350

Ans: C

13. Jahir has 15 red balls; he gives Sami 3 balls. Sami now has twice the number of balls Jahir has left. How many balls did Sami have at the beginning? [BKB (officer) – 2017]

A.24

B.12

C. 27

D. 21

Ans: D

14. When a number is divided by 5, The remainder is 3. If the square of this number is divided by 5 then What is the remainder? [BKB (officer) – 2017]

A.5

B.4

C. 7

D. 1

Ans: B

15. The value of $-3 - (-10)$ is how much greater than the value of $-10 - (-3)$? [BKB (officer) – 2017]

A.0

B. -7

C.7

D.14

Ans: D

16. If a photocopier makes 2 copies in $\frac{1}{3}$ second, at the same rate, how many copies does it make in 4 minutes? [BKB (officer) – 2017]

A.1200

B. 24

C.144

D.1440

Ans: D

17. A pen is sold for Taka 48 with a 20% profit. What is the purchase price of the pen? [BKB (officer) – 2017]

A.32

- B. 40
- C.48
- D.57.6

Ans: B

18. A bank pays simple interest rate of 8% on investment. If you invest Taka 5,000 in the bank, how much money would you get after 8 years? [BKB (officer) – 2017]

- A. 9,255
- B. 3,200
- C. 5,320
- D. 8,200

Ans: D (5000+3200 = 8200)

19. If $16^{2x+4} = 4^{3x+3}$ then $x = ?$ [BKB (officer) – 2017]

- A.- 5
- B. 1
- C.
- D. – 1

Ans: A

20. If the length and width of a rectangular garden plot were each increased by 20% what would be the percent increase in the area of the plot? [BKB (officer) – 2017]

- A. 20%
- B. 44,
- C. 144%
- D. 40

Ans: B

21. Find the slope of the line $5x - 5y = 7$ [BKB (officer) – 2017]

- A. 5
- B.5/7

C. 1

D. 7/5

Ans: C

22. If a man walks 14 kilometer/hour instead of 10 kilometer/hour, he would have walked 20 kilometers more. The actual distance travelled by him is: [BKB (officer) – 2017]

A. 30 kilometer

B. 50 kilometer

C. 80 kilometer

D. 70 kilometer

Ans: b

23. In the coordinate plane, for which one of the following values of x would the graph of the equation $y = x^3 - x^2 - 6x$ not touch the x-axis? [BKB (officer) – 2017]

A. 2

B. 3

C. -2

D. 0

Ans: D

24. How many 3-digit integers can be chosen such that none of the digits appear more than twice, none of the digits equal 0? [BKB (officer) – 2017]

A. 729

B. 720

C. 756

D. 504

Ans: B ($9^3 - 9 = 720$.)

(General Knowledge -Solution) 1. Free Trade area of Argentina, Brazil, Paraguay = MERCOSUR

2. Head quarter of AIIB = Beijing

3. Currency of Argentina = Peso

4. Black Money = income illegally obtained or not declared for tax purposes.

5. Anti Money Laundering Structure currently in force in BD was enacted in the year = 2002 (Amended in 2012)
6. Hard Loan = requires repayment in the currency of a strong economy
7. First private bank = AB Bank
8. Uruguay Round = WTO
9. Targets of SDG = 169
10. Who administered Oath to ministers of the Mujibnagar = Prof Yusuf Ali
11. In media the news of genocide in Dhaka = Simon Dring 12. Last battle against Pakistan army in 1971 = rayer bazar.
13. Nobel peace prize of 2016 was awarded to negotiate with= FARC
14. Nursultan Äbishuly Nazarbayev is the President of = Kazakhstan
15. Last APEC summit was held in = Peru
16. french veteran seriously considered joining the Bangladesh liberation war= Andre Malaurax
17. Nobel prize in Economics in 2016 = oliver hart and bengt holmstrom
18. Bangladesh Banks (nationalization) order was = 16, 1971
19. Headquarter of proposed LDC Bank = Turkey
20. Is not a scheduled bank = Probashi Kollyan Bank Senior officer (BKB) Math Part with Answer: In a mixture the ratio of apples,peaches and grapes is 6:5:2. If the total mixture is 39 pounds then what is the difference between apples and grapes?? Ans: 12 pounds 2. A man goes to his office at a certain time. If his waking speed is 5kmh then he is 7 minutes late. When his speed is 6kmh he reaches 5minutes before. How far his office from his house? Ans: 6 km 3. A man deposits 5000 tk at 5% annual interest for six months. In every six months he withdraws tk 500 from his principal plus interest earned. What is the total amount of interest he received? Ans: 687.5 4. A man interest and wages from his investment tk 5000. If he invests double then the wages increased 50% and total amount is tk 8000. What is his actual income in terms of wages and interest? Ans: 4000 tk n 1000 tk 5. 20 men can finish a work in 30 days. After how many days can 5persons leave the work and the remaining work can be finished in 35 days? Ans: 15 days Rest of Solution Update Soon.