Bank Job Lecture Sheet

Lecture 16

Lecture Contents

☑ **Inteligence Quotient (IQ)**

Inteligence Quotient (IQ)

Teacher's Discussion

1. **M is a girl and has the same number of brothers as sisters. N is a boy and has twice as many sisters as brothers. M and N are the children of Q. How many children does Q have?** [Combined 9 Bank Senior Officer (General)-2023]

   A. 2   B. 3   C. 5   D. 7   **Ans: D**

2. **Ruby's height is 5′2″. Ana is taller than Ruby but she is not taller than Pamela. Pamela is shorter than her cousin Rony but she is not shorter than Ruby. Who is the tallest in the group?** [Combined 9 Bank Senior Officer (General)-2023]

   A. Ana   B. Rony   C. Pamela   D. Ruby   **Ans: B**

3. **Ripa's height is 5′7″. Tina is taller than Ripa but she is not taller than Rubina. Rubina is shorter than her cousin Kamal but she is not shorter than Ripa. Who is the tallest in the group?** [IFIC Bank, TSO- 19]

   A. Tina   B. Kamal   C. Rubina   D. Ripa   **Ans: B**

4. **A clock seen through a mirror, shows quarter past three. What is the correct time shown by the clock?** [Combined 9 Bank Senior Officer (General)-2023]

   A. 3:15   B. 7:15   C. 8:45   D. 9:45   **Ans: C**

5. **How many times in a day, are the hands of a clock in straight line but opposite in direction?** [Bangladesh Bank Officer- 2016]

   A. 22   B. 24   C. 48   D. 20   **Ans: A**

6. **How many times do the hands of a clock coincide in 24 hours?** [IFIC Bank, TSO- 2019]

   A. 22   B. 24   C. 26   D. 28   **Ans: A**

7. Tom was not at school on Saturday last. He was first absent for four days before that. Today is Monday, the 31st of October. When was Tom first absent? Give the day and date. [IFIC Bank, TSO- 2019]

   A. Monday, Oct. 24   B. Tuesday, Oct. 25

   C. Wednesday, Oct. 26   D. Thursday, Oct. 27   **Ans: B**

8. Find the angle between the hour hand and the minute hand of a clock when the time is 5 : 45. [One Bank, Special Cadre Officer- 2022]

   A. 97.5°   B. 90°   C. 100°   D. 95°   **Ans: A**

9. The time indicated by a clock is 4:20, what will be the angle between the minute hand and the hour hand of the clock? [NRBC Bank, TO- 2022]

   A. 10°   B. 12.5°   C. 15°   D. 25°   **Ans: A**

10. Sana is going to school facing north. After a while he turns 100 degrees in the clockwise direction, then 190 degrees in the anti-clockwise. Which direction is he facing now? [NRBC Bank, TO- 2022]

   A. North-East   B. East   C. South-East   D. West   **Ans: D**

11. P and Q are brothers. R and S are sisters. The father of P is brother of S. Q is related to R as- [Bangladesh Bank Officer- 2019]

   A. son   B. brother   C. uncle   D. aunt   **Ans: D**

12. A, B and C are sisters. D is the brother of E. and E is the daughter of B. How is A related to D? [Bangladesh Bank AD- 2016]

   A. Sister   B. Cousin   C. Niece   D. Aunt   **Ans: D**

13. If X is brother of son of Y's son, then how is X related to Y? [Bangladesh Bank Officer- 2016]

   A. Cousin   B. Grandson   C. Son   D. Brother   **Ans: B**

14. A is the widow of B. B & C were the only children of E. C is unmarried ans is a doctor. D is the grand-daughter of E and studies science. How is A related to D? [Bangladesh Bank AD- 2009]

   A. aunt   B. daughter   C. sister   D. sister-in-law   **Ans: B**

15. Rashid, the son of Amir is married to Tasnim, whose sister Shumi is married to Amar, the brother of Rashid. How is Shumi related to Amir? [IFIC Bank, TSO- 2019]

   A. Daughter in law   B. Cousin   C. Sister in law   D. Sister   **Ans: A**

16. Find the next number in the following pattern: 320, 160, 80, 40, ----- [Bangladesh Bank AD- 2021]

   A. 35   B. 30   C. 10   D. 20   **Ans: D**

17. Which of the following terms does not describe the number 9? [Bangladesh Bank AD- 2021]

   A. prime   B. integer   C. real number   D. whole number   **Ans: A**

18. The next number of the sequence is- 4, 3, 9, 3, 19, 3, ... [Bangladesh Bank AD- 2018]

   A. 31   B. 32   C. 39   D. 49   **Ans: C**

19. Which of the following can be arranged into an English word? [Bangladesh Bank AD- 2018]

   A. ANSLAIT   B. LSNIT   C. OTATM   D. WQRGS   **Ans: A**

20. If 212152120 represents 'bloat' then 6121135 represents- [Bangladesh Bank AD- 2018; BB Officer- 2018]

   A. voice   B. bald   C. flame   D. castle   **Ans: C**

21. What does make 'you' 'young'? [Bangladesh Bank AD- 2018]

   A. Adding 2 letters   B. Drinking energy beverage

   C. Eating sweet fruits   D. Changing outfits   **Ans: A**

22. The sum of first 17 terms of the series 5, 9, 13, 17, ... is- [Bangladesh Bank Officer- 2019]

    A. 529   B. 462   C. 629   D. 523   **Ans:** C

23. If A = 26, SUN = 27, then CAT = ? [Bangladesh Bank AD- 2016]

    A. 24   B. 27   C. 57   D. 58   **Ans:** C

24. When you see a blind man trying to cross the road, you- [Bangladesh Bank Officer- 2016]

    A. go and help him   B. ignore and move on

    C. ask someone to help him   D. wait till he crosses the road   **Ans:** A

25. Find the next two terms of the series 5, 7, 12, 19, 31, 50? [IFIC Bank, TSO- 2019]

    A. 81   B. 74   C. 69   D. None   **Ans:** A

26. Shoe always has _____ . [IFIC Bank, TSO- 2019]

    A. Laces   B. Leather   C. Strap   D. Soles   **Ans:** D

27. What number should come next 4, 6, 12, 14, 28, 30, (?) [IFIC Bank, TSO- 2019]

    A. 60   B. 62   C. 64   D. 32   **Ans:** A

28. What is the next term in the sequence: 4, 9, 6, 11, 8, 13, ... ? [Uttara Bank AO- 2022]

    A. 18   B. 16   C. 10   D. 9   **Ans:** C

29. Find the next number in the given series: 1, 2, 6, 21, 88? [NRBC Bank, TO- 2022]

    A. 296   B. 335   C. 445   D. 559   **Ans:** C

30. In a class of 60, where girls are twice that of boys, Kamal ranked seventeenth from the top. If there are 9 girls ahead of Kamal, how many boys are after him in rank? [Bangladesh Bank AD- 2016]

    A. 3   B. 7   C. 12   D. 23   **Ans:** C

31. Rahim ranks seventh from the top and twenty-sixth from the bottom in class. How many students are there in the class? [Bangladesh Bank Officer- 2016]

    A. 32   B. 33   C. 34   D. 31   **Ans:** A

32. In a row of trees, a tree is 7th from the left and 14th from the right end. How many trees are there in the row? [Islami Bank, PO- 2019]

    A. 18   B. 19   C. 20   D. 21   **Ans:** C

33. Sam ranked ninth form the top and thirty-eight from the bottom in a class. How many students are there in the class? [Uttara Bank AO- 2022]

    A. 45   B. 46   C. 47   D. 48   **Ans:** B

34. Two planes leave the airport at the same time. Few minutes later, plane A is 70 miles due north of the Airport and plane B is 168 miles due east of the airport. How far apart are the two airplanes? [Bangladesh Bank AD- 2021]

    A. 182 miles   B. 119 miles   C. 163.8 miles   D. 238 miles   **Ans:** A

35. A river flows west to east and on the way turns left and go in a semi-circle round a hillock, and then turns left at right angles. In which direction is the river finally flowing? [IFIC Bank, TSO- 2019]

    A. South   B. East   C. West   D. North   **Ans:** A

36. Max goes to the gym every fourth day, Ellen's exercise routine is to every third day. Today is Monday and both Max and Ellen are at the gym. What will the day of the week be the next time they are both at the gym? [Bangladesh Bank AD- 2021]

    A. Sunday   B. Wednesday   C. Friday   D. Saturday   **Ans:** D

37. A bus picks up a group of tourists at a hotel. The sightseeing bus travels 2 blocks north, 2 blocks east, 1 block south, 2 blocks east, and 1 block south. Where is the bus in relation to the hotel? [Bangladesh Bank AD- 2021]

A. 2 blocks north   B. 1 block west   C. 3 blocks south   D. 4 blocks east   **Ans: D**

38. In a series of 6 consecutive odd numbers if 15 is the 6th number, what is the 4th number in the series? [Bangladesh Bank AD- 2018]

A. 7   B. 9   C. 11   D. 13   **Ans: C**

39. The next number in the sequence 3, 6, 11, 18, 27, ... is [Bangladesh Bank Officer- 2019]

A. 34   B. 36   C. 38   D. 40   **Ans: C**

40. How many days are there in x weeks x days? [Bangladesh Bank Officer- 2016]

A. 8x   B. 14x   C. 7   D. $7x^2$ **Ans: A**

41. In the middle of around pool lines a water-lily. The water-lily doubles in size every day. After exactly 20 days the complete pool will be covered by the lily. After how many days will half of the pool be covered by the water-lily? [Bangladesh Bank AD- 2011]

A. 3   B. 7   C. 10   D. 19   **Ans: D**

42. A clock strikes at once 1 o'clock, twice at 2 o'clock, thrice in 3 o'clock and so on. How many times will it strike in 24 hours? [IFIC Bank, TSO- 2019]

A. 70   B. 136   C. 156   D. 195   **Ans: C**

43. A long rope has to be cut to make 23 small pieces. If it is double folded to start with, how many times does it need to be cut? [IFIC Bank, TSO- 2019]

A. 9   B. 23   C. 11   D. 12   **Ans: C**

44. Odometer is to mileage as compass is to: [IFIC Bank, TSO- 2019]

A. speed   B. hiking   C. needle   D. direction   **Ans: D**

45. Exercise is to gym as eating is to- [IFIC Bank, TSO- 2019]

A. Food   B. Dieting   C. Fitness   D. Restaurant   **Ans: D**

46. A husband and wife have six married sons. Each of them has four children. The total number in the family is: [Islami Bank, PO- 2019]

A. 32   B. 34   C. 36   D. 38   **Ans: D**

Student's Drill

1. M is a girl and has the same number of brothers as sisters. N is a boy and has twice as many sisters as brothers. M and N are the children of Q. How many children does Q have? [Combined 9 Bank Senior Officer (General)-2023]

A. 2   B. 3   C. 5   D. 7   **Ans: D**

2. A clock seen through a mirror, shows quarter past three. What is the correct time shown by the clock? [Combined 9 Bank Senior Officer (General)-2023]

A. 3:15   B. 7:15   C. 8:45   D. 9:45   **Ans: C**

3. October 1985 corresponds to Bangla year. [Bangladesh Bank AD- 2018]

A. 1392   B. 1391   C. 1394   D. 1390   **Ans: A**

4. **How many days are there in x weeks x days?** [Bangladesh Bank Officer- 2016]

  A. 8x B. 14x C. 7 D. $7x^2$ **Ans: A**

5. **In the middle of around pool lines a water-lily. The water-lily doubles in size every day. After exactly 20 days the complete pool will be covered by the lily. After many days will half of the pool be covered by the water-lily?** [Bangladesh Bank AD- 2011]

  A. 3 B. 7 C. 10 D. 19 **Ans: D**

6. **Your doctor gives you 3 pills to take one for every half hour. How long does it require to take all the pills?** [Bangladesh Bank AD- 2009]

  A. Half Hours B. One Hour C. One and Half Hours D. Two Hours **Ans: B**

7. **A predator is chasing its prey. The predator takes 4 leaps for every 6 leaps of the prey and the predator covers as much distance in 2 leaps as 3 leaps of the prey. Will the predator succeed in getting its food?** [Bangladesh Bank AD- 2009]

  A. Yes B. In the 6th leap C. Never D. Can't be determined **Ans: A**

8. **The arithmetic mean of the set of the observation 1, 2, 3, ……….., n is-**

  A. $\frac{n+1}{2}$ B. $\frac{n}{2}$ C. $\left(\frac{n}{2}+1\right)$ D. $\frac{1}{2}(n-1)$ **Ans: A**

9. **What is the sum of the numbers from 1 to 100?**

  A. 3030 B. 2020 C. 1010 D. 5050 **Ans: D**

10. **What is the mass of the man, if the length of a boat is 4m, width is 1.5m floating on a river sinks by 0.015m when the man gets on the boat?** [One Bank, Special Cadre Officer- 2022]

  A. 100 kg B. 90 kg C. 80 kg D. 70 kg **Ans: B**

11. **What is the sum of the numbers from 1 to 50?**

  A. 1275 B. 1225 C. 2250 D. 1212 **Ans: A**

12. **What is the sum of the numbers from 1 to 99?**

  A. 4040 B. 5550 C. 4850 D. 4950 **Ans: D**

13. **1 + 3 + 5 + …………. + 21 is equal to-**

  A. 122 B. 119 C. 120 D. 121 **Ans: D**

14. **Find the two-hundredth term of the sequence 2, 5, 8, 11, ……….**

  A. 399 B. 499 C. 599 D. 699 **Ans: C**

15. **What is the average of the consecutive numbers from 1 to 49?**

  A. 23 B. 24 C. 25 D. 20 **Ans: C**

16. **Calculate the sum of the series $1^3 + 2^3 + 3^3$ …………. + n^3.**

  A. $\frac{n(n+1)}{2}$ B. $\frac{n(n+1)(2n+1)}{6}$ C. $\frac{n(n+2)}{4}$ D. $\left(\frac{n(n+1)}{2}\right)^2$ **Ans: D**

17. **The sum of the series $1^3 + 2^3 + 3^3 + 4^3 + ……………. + (20)^3$ is-**

  A. 44000 B. 44100 C. 44200 D. 12200 **Ans: B**

18. **What is the next number of the seires 1, 4, 9?**

  A. 12 B. 16 C. 25 D. 28 **Ans: B**

19. **What is the next number in this series 9, 36, 81, 144………?**

  A. 169 B. 225 C. 256 D. 272 **Ans: B**

20. **What is the 8ᵗʰ number in this series 1, 1, 2, 3, 5, 8 ………. ?**

A. 21   B. 13   C. 19   D. 16   **Ans: A**

21. **What is the next number in the series 1, 3, 6, 10, 15 ………… ?**

A. 30   B. 20   C. 25   D. 21   **Ans: D**

22. **Place a number in the gap of the series 1, 3, 7, ………, 21, 31, 43.**

A. 13   B. 10   C. 9   D. 15   **Ans: A**

23. **The numbers 13, 17, 25, 41, ------- are arranged in special order. What is the next term?**

A. 50   B. 62   C. 6   D. 73   **Ans: D**

24. **5, 7, 11, 19, ---------- Find the number in the gap.**

A. 30   B. 26   C. 35   D. 42   **Ans: C**

25. **Find the next term of the sequence 4, 6, 10, 18.**

A. 36   B. 34   C. 32   D. 30   **Ans: B**

26. **Complete the series 4, 9, 17, 35 ……..**

A. 62   B. 72   C. 69   D. 9   **Ans: C**

Solution of Student's Drill

1. Let, no. of girls = x & no. of boys = y

In 1ˢᵗ condition, x − 1 = y

In 2ⁿᵈ condition, 2(y − 1) = x [∵ বোন ভাইয়ের দ্বিগুণ]

$\Rightarrow 2y - 2 = x$

$\Rightarrow 2(x - 1) - 2 = x$ [∵ y = x − 1]

$\Rightarrow 2x - 2 - 2 = x$

$\Rightarrow x = 4$

∴ y = x − 1− = 4 − 1− = 3

Hence, total = 4 + 3 = 7 **(Ans.)**

Or, Option check.

2. Quarter past three means 3 : 15

So, required time = 11 : 60 − 3 : 15 = 8 : 45 **(Ans.)**

3. English year থেকে Bangla year এ আসতে 593 বিয়োগ করতে হয়।

আবার, Bangla year থেকে English year এ আসতে 593 যোগ করতে হয়।

সুতরাং নির্ণেয় সাল = 1985 − 593 = 1392 **(Ans.)**

4. x weeks x days

= 7 × x days + x days

= 8x days **(Ans.)**

5. 20 দিনে সম্পূর্ণ হলে 19 তম দিনে অর্ধেক পূর্ণ ছিল। যেহেতু 1 দিন পর দ্বিগুণ পূর্ণ হয়।

সুতরাং Ans: 19 days।

6. আধা ঘণ্টা পর পর ঔষধ খাবে। তাহলে 3টি pill এর মধ্যে শুরুতে খাবে 1টি। বাকী 2টি 1 ঘণ্টায় খাবে। Ans. is 1 hr.

7. In 2 leaps, predator covers x m

∴ 4 ” ” ” $\dfrac{4x}{2} = 2x$

Again in 2 leaps, prey covers x m

∴ ” 6 ” ” ” $\dfrac{6x}{3} = 2x$

As they are covering the same distance with their respective leaps. So, they will always be the same distance away from each other unless their speed is changed.

Ans: can't be determined.

8. Arithematic mean = Average

∴ Average = $\dfrac{1 + 4}{2}$ **(Ans.)**

10. Total = $\dfrac{n(n + 1)}{2}$

= $\dfrac{100 \times 101}{2} = 5050$ **(Ans.)**

9. Here, length – 4m, width = 1.5 m

height = 0.015 m

$\therefore$ volumn = $4 \times 1.5 \times 0.015 = 0.09$ m^3

$\therefore$ Mass of the man

= volumn × Density | we know, Density of water = 1000 kg m^{-3}

= 0.09 × 1000

= 90 kg **(Ans.)**

11. Total = $\dfrac{n(n+1)}{2}$

$= \dfrac{50 \times 51}{2} = 1275$ **(Ans.)**

12. Total = $\dfrac{n(n+1)}{2}$

$= \dfrac{99 \times 100}{2} = 4950$ **(Ans.)**

13. Total = Average × Quentity

$= \dfrac{1+21}{2} \times 11$ | Here, Quantity $= \dfrac{21-1}{2} + 1$

$= 11 \times 11$

$= 121$ **(Ans.)** $\qquad = 11$

Or, $1 + 3 + 5 + \ldots\ldots + 21 = ?$

Here, n $= \dfrac{21-1}{2} + 1 = 11$

$\therefore$ Total = n^2 = (11)^2 = 121 **(Ans.)**

14. 200th terms = a + (n – 1)d

$= 2 + (200 - 1) \times 3$

$= 2 + 199 \times 3$

$= 599$ **(Ans)**

15. Average $= \dfrac{1+49}{2} = 50$ **(Ans.)**

16. We know,

$1^3 + 2^3 + 3^3 + \ldots\ldots\ldots + n^3$

$= \left\{\dfrac{n(n+1)}{2}\right\}^2$ **Ans: D**

17. Total $= \left\{\dfrac{n(n+1)}{2}\right\}^2 = \left\{\dfrac{20(21)}{2}\right\}^2$

$= 100 \times 441 = 44100$ **(Ans.)**

18. 1, 4, 9, <u>16</u>

$1^2, 2^2, 3^2, 4^2$

19. 9, 36, 31, 144, <u>225</u>

$3^2, 6^2, 9^2, 12^2, 15^2$

20. 1, 1, 2, 3, 5, 8, ……..

Fibonacci series: 0, 1, 1, 2, 3, 5, 8, 13, 21, ..

১ম পদ + ২য় পদ = ৩য় পদ

২য় পদ + ৩য় পদ = ৪র্থ

এই ভাবে Fibonacci series হবে।

21. 1, 3, 6, 10, 15, ………

প্রথমে 2 বেড়েছে, এরপর 3 বেড়েছে

এই ভাবে 15 + 6 = 21 **(Ans.)**

22. 1 + 2 = 3

3 + 4 = 7

7 + 6 = 13

13 + 8 = 21 **(Ans: 13)**

23. 13, 17, 25, 41 …..

1st gap = 4

2nd gap = 8

3rd gap = 16

4th gap = 32 $\quad \therefore$ 32 + 41 = 73 **(Ans.)**

24. 5, 7, 11, 19, …….

1st gap = 2, 2nd gap = 4

3rd gap = 8 4th gap = 16 | $\therefore$ a = 2

$\therefore$ 16 + 19 = 35 **(Ans.)** | d = Difference between 2 terms

25. 4, 6, 10, 16, …….

1st gap = 2, 2nd gap = 4

3rd gap = 8, 4th gap = 16

$\therefore$ 16 + 18 = 34 **(Ans.)**

26. 4, 8, 17, 35, …….

4 × 2 + 1 = 9

9 × 2 – 1 = 17

17 × 2 + 1 = 35

35 × 2 – 1 = 69 **(Ans.)**

Home Practice

1. If an hour-hand of a clock go anticlock wise from 2 to 9 what angle the hour hand pass? [BUP (FBS): 2021-22]

    A. 60 degree   B. 120 degree   C. 150 degree   D. 270 degree   **Ans: C**

2. 50, 30, 40, 20, 30, ------- What number will come next? [BUP (FBS): 2021-22]

    A. 10, 20   B. 20, 0   C. 30, 50   D. 40, 20   **Ans: A**

3. What is the tenth number of the following series? 1, 5, 9, 13, ...? [BUP (FBS): 2021-22]

    A. 23   B. 24   C. 35   D. 37   **Ans: D**

4. Find the missing number in the series 3, 6, 18, 72, 360, -------- [BUP (FBS): 2021-22]

    A. 720   B. 2160   C. 1440   D. 1860   **Ans: B**

5. 9, 36, 81, 144, -------- What will be the next number of this, series? [BUP (FBS): 2021-22]

    A. 169   B. 216   C. 225   D. 256   **Ans: C**

6. Find the missing number in the following problem. 59 (4) 19, 90 (?) 20, 70 (5) 20 [BUP (FBS): 2020-21]

    A. 7   B. 9   C. 10   D. 12   **Ans: A**

7. How many times in a day are the hands of a clock in straight line but opposite in direction? [BUP (FBS): 2020-21]

    A. 20   B. 22   C. 24   D. 48   **Ans: B**

8. Insert the missing number: 16, 33, 67, 135, 271, (...........). [BUP (FBS): 2020-21]

    A. 371   B. 406   C. 451   D. 543   **Ans: D**

9. A, B এর তুলনায় খাটো কিন্তু C এর চেয়ে লম্বা। D, A এর তুলনায় খাটো কিন্তু C এর চেয়ে লম্বা। E, B এর তুলনায় খাটো কিন্তু A এর চেয়ে লম্বা। উচ্চতার দিক দিয়ে মাঝারি কে? [বিসিএস- ৩৬]

    A. A   B. B   C. C   D. D   **Ans: A**

10. Which man is the tallest? [BCS 37]

    When A is smaller than B, B is smaller than C, C is smaller than D, D is taller than E

    A. A   B. B   C. C   D. D   **Ans: D**

11. Raqib stood 23rd out of 59 students. What is his position from the reverse serial? [BCS- 38W]

    A. 32   B. 37   C. 38   D. 35   **Ans: B**

12. যদি PLAY-এর কোড ৮১২৩ এবং RHYME -এর কোড ৪৯৩৬৭ হয়, তাহলে MALE-এর কোড হবে— [44th BCS]

    (A) ৬৩২৩   (B) ৬১৯৮   (C) ৬২১৭   (D) ৬২৮৫   **Ans: C**

13. 165135 যদি Peace হয়, তবে 1215225 হবে— [44thBCS]

    (A) Lead   (B) Love   (C) Loop   (D) Castle   **Ans: B**

14. 'DRIVE is to LICENCE as BREATHE is to —.' এই বক্তব্যের শূন্যস্থানে কোন বিকল্পটি বসবে? [43rdBCS]

    (A) OXYGEN   (B) ATMOSPHERE

    (C) WINDPIPE   (D) INHALE   উত্তর: ক

15. ২০১৮ সালের ১২ জানুয়ারি শুক্রবার হলে, একই বছরের ১৭ মার্চ কী বার ছিল? [৪৪তম বিসিএস]

    (A) শনিবার   (B) সোমবার   (C) বৃহস্পতিবার   (D) শুক্রবার   **Ans: A**

16. যদি মাসের ২য় দিন সোমবার হয়, তবে মাসের ১৮তম দিন কী বার হবে? [৪১তম বিসিএস]

    (A) রবিবার   (B) সোমবার   (C) মঙ্গলবার   (D) বুধবার   **Ans: D**

17. আগামী পরশুর পরের দিন যদি রবিবার হয় তবে, গতকালের আগের দিন কী বার ছিল? [৩৮তম বিসিএস]

    (A) সোমবার   (B) মঙ্গলবার   (C) বৃহস্পতিবার   (D) শনিবার   **Ans: B**

18. ১৯৯৪ সালের ১ ডিসেম্বর বৃহস্পতিবার হলে ১৯৯৫ সালের একই তারিখ কী বার হবে? [৩৮তম; ১৭তম বিসিএস]

    (A) বৃহস্পতিবার   (B) শুক্রবার   (C) বুধবার   (D) শনিবার   **Ans: B**

19. ২০০৯ সালের ১ জানুয়ারি বৃহস্পতিবার ছিল। একই বছরের ৩১ ডিসেম্বর কী বার ছিল? [প্রাক-প্রাথমিক সহকারী শিক্ষক (১৭ জেলা) ২৮ অক্টোবর ২০১৫]

    (A) সোমবার   (B) বৃহস্পতিবার   (C) বুধবার   (D) শনিবার   **Ans: B**

20. On 8th Feb, 2005 it was Tuesday. What was the day of the week on 8th Feb, 2004? [পল্লী কর্ম সহায়ক ফাউন্ডেশনের অ্যাসিসটেন্ট ম্যানেজার ২০১৪]

    (A) Tuesday   (B) Monday   (C) Sunday   (D) Wednesday   **Ans: C**

21. Tomorrow is to Yesterday as Sunday is to : [পুলিশ সাব-ইন্সপেক্টর নিয়োগ পরীক্ষা (পুরুষ ও মহিলা) ২০১২]

    (A) Thursday   (B) Friday   (C) Monday   (D) Wednesday   **Ans: B**

22. ২০০৯ সালের ২৮ আগস্ট শুক্রবার ছিল। ঐ বছরের ১ অক্টোবর কী বার ছিল? [দুর্নীতি দমন কমিশনের উপ-সহকারী পরিচালক ২০১০]

    (A) বুধবার   (B) বৃহস্পতিবার   (C) শুক্রবার   (D) শনিবার   **Ans: B**

23. Today is Sundday. Which of the following day we will get after 353 days? [BCS 38]

    A. Friday   B. Tuesday   C. Wednesday   D. Thursday   **Ans: C**

24. The day that will come 3 days after tomorrow will be Saturday. What was the day two days before yesterday?

    A. Saturday   B. Sunday   C. Monday   D. Sunday   **Ans: A**

25. If 7th of the month falls two days after Wednesday, what day of the week will precede the 18th of the month?

    A. Monday   B. Tuesday   C. Wednesday   D. Sunday   **Ans: A**

26. How many days are there in X weeks X days?

    A. $7x^2$ B. 8x   C. 14x   D. 7   **Ans: B**

27. Which of the following is not a leap year?

    A. 700   B. 800   C. 1200   D. 2000   **Ans: A**

28. ঘড়িতে যখন আটটা বাজে, ঘণ্টার কাঁটা এবং মিনিটের কাঁটার মধ্যেকার কোণটি তখন কত ডিগ্রি থাকে?

    অথবা, ঘড়িতে এখন ৮টা বাজে। ঘণ্টার কাঁটা ও মিনিটের কাঁটার মধ্যকার কোণটি কত? [৩৭তম; ৩৫তম বিসিএস লিখিত; ৩৪তম বিসিএস; বিজেএস প্রিলিমিনারি টেস্ট ২০০৭]

    (A) ১৫০°   (B) ২২০°   (C) ৬০°   (D) ১২০°   **Ans: D**

29. ২টা ১৫ মিনিটের সময় ঘণ্টার কাঁটা ও মিনিটের কাঁটার মধ্যবর্তী কোণ– । [সহকারি মাধ্যমিক বিদ্যালয় সহকারী শিক্ষক ২০১৯]

    (A) 20°   (B) $22\frac{1}{2}^{\circ}$ (C) 23°   (D) $23\frac{1}{2}^{\circ}$ **Ans: B**

30. How many times in a day, the hands of a clock are straight? [Janata Bank Ltd. Executive Officer 2017 (Morning)]

    (A) 22   (B) 24   (C) 48   (D) 44   **Ans: A**

31. A clock slows down by one minute every 24 hours. How long will it take to slow down by one hour? [পেট্রোবাংলার বাখরাবাদ গ্যাস সিস্টেম লি.-এর সহকারী কর্মকর্তা (সাধারণ) ২০০৬]

    (A) 24 days   (B) 30 days   (C) 60 days   (D) 60 hours   **Ans: C**

32. How many rotations will the hour hand of a clock complete in 72 hours? (একটি ঘড়ির ঘণ্টার কাঁটা 72 ঘণ্টায় কতবার ঘূর্ণন পূর্ণ করবে?)   [BHBFC Officer 2017]

(A) 6   (B) 3   (C) 9   (D) 12   **Ans: A**

33. If the hour hand of a clock is turned anticlockwise from 2 pm to 9 am, through how many degrees will it have turned? (যদি একটি ঘড়ির ঘণ্টার কাঁটা দুপুর ২ টা থেকে ঘড়ির কাঁটার বিপরীত দিকে ঘুরে সকাল ৯টায় পৌছায়, তাহলে ঘড়ির ঘণ্টার কাঁটাটি কত ডিগ্রি ঘুরে যায়?) [Bangladesh Krishi Bank Officer 2017]

(A) 210   (B) 570   (C) 150°   (D) 510   **Ans: C**

34. The angle between the minute hand and the hour hand of clock when the time is 9.30 is:

A. 100°   B. 105°   C. 120°   D. 135°   **Ans: B**

35. The angle between the minute hand and the hour hand of a clock when the time is 2.30 is: [BCS- 38]

A. 100°   B. 105°   C. 120°   D. 135°   **Ans: B**

36. How many times are the hands of a clock at right angle is a day?

A. 22   B. 24   C. 44   D. 48   **Ans: C**

37. How many times in a day, the hands of a clock are straight?

A. 22   B. 24   C. 44   D. 48   **Ans: A**

38. How many times to the hands of a clock coincide [overlap] in a day?

A. 20   B. 21   C. 22   D. 24   **Ans: C**

39. How many times in a day, are the hands of a clock in straight line but opposite in direction?

A. 20   B. 22   C. 24   D. 48   **Ans: B**

40. প্রশ্নবোধক স্থানে কত বসবে? 7, 11, 12, 14, 17, 17, 22, ? [৩৬তম বিসিএস]

A. 20   B. 22   C. 24   D. 27   **Ans: A**

41. What number will you place on the '?' 17, 24, 15, 22, 13, 20, 11, ? [BCS- 38W]

A. 19   B. 17   C. 20   D. 18   **Ans: D**

42. নিচের সংখ্যা সিরিজের প্রশ্নবোধক চিহ্নের স্থানে কোন সংখ্যাটি বসবে? [৩৭তম বিসিএস]

3, 8, 6, 14, ?, 20, 12

A. 11   B. 10   C. 8   D. 9   **Ans: D**

43. নিচের সংখ্যা সিরিজের শেষের সংখ্যাটি কত? [৩৭তম বিসিএস]

4, 6, 10, 18, -

A. 28   B. 30   C. 34   D. 36   **Ans: C**

44. নিচের সংখ্যা সিরিজের প্রশ্নবোধক চিহ্নের স্থানে কোন সংখ্যাটি বসবে? [৩৭তম বিসিএস]

3, 5, 9, 11, 15, 17, 21, ?

A. 23   B. 25   C. 27   D. 29   **Ans: A**

45. 'RELATION'-এর আয়নায় প্রতিবিম্ব কোনটি হবে? [৪১তম বিসিএস]

(A) ИОITA⅃Ǝᴙ   (B) ИОITA⅃Ǝᴙ   (C) ᴙE⅃ᴀTIOИ   (D) ИОITA⅃Ǝᴙ   **Ans: A**

46. UNFARE শব্দটি আয়নায় দেখালে তার সঠিক রূপটি হবে– [৩৮তম; ৩৫তম বিসিএস লিখিত]

(A) ƎᴙAꟻИU   (B) UИꟻAᴙƎ   (C) UИꟻᴙAE   (D) ∪ИꟻAᴙƎ   **Ans: A**

47. আয়নায় দেখা গেল ঘড়িতে ৯ : ৩০ মিনিট বাজে। প্রকৃতপক্ষে সময় কত? [৩৭তম বিসিএস লিখিত]

(A) ৪ : ৩০ মিনিট   (B) ৩ : ৩০ মিনিট   (C) ৬ : ৩০ মিনিট   (D) ২ : ৩০ মিনিট   **Ans: D**