1.   What is the meaning of the phrase 'A blessing in disguise'?
A. Fortuitous
B. Diligence
C. Reciprocal
D. Superficial

2.   Mark the option with an error in it.
A. None of the three
B. movies that we saw
C. were interesting
D. No error

3.   Which sentence expresses obligation using a modal verb?
A. She might come to the party.
B. You should apologize for the mistake.
C. Can you open the window?
D. They will join us later.

4.   Select the most appropriate synonym of the given word.
DEVOUT
A. pious
B. loyal
C. revered
D. respectable

5.   Select the option that expresses the given sentence in reported speech.
Mother said, "Abhinav slipped while trying to board a bus."
A. Mother says that Abhinav slipped while trying to board a bus.
B. Mother said that Abhinav had slipped while trying to board a bus.
C. Mother told that Abhinav slipped while trying to board a bus.
D. Mother said that Abhinav slipped while trying to board a bus.

6.   Arrange the following words in a logical order:
1. Windows
2. Walls
3. Floor
4. Foundation
5. Roof
6. Room
A. 4, 5, 3, 2, 1, 6
B. 4, 3, 5, 6, 2, 1
C. 4, 2, 1, 5, 3, 6
D. 4, 1, 5, 6, 2, 3

7.   Reference material :Dictionary:: Periodical : ? .
A. Book

B. Atlas
C. Biography
D. Newspaper

8.   A and B are sisters. A is D's mother. B has a daughter, C, who is married to F. G is A's husband. How is C related to D?
A. First Cousin
B. Second Cousin
C. Sister
D. Sister-in-law

9.   In a group of five districts Akbarpur is smaller than Fatehpur, Dhanbad is bigger than Palamu and Bara Banki is bigger than Fatehpur but not as big as Palamu. Which district is the biggest?
A. Akbarpur
B. Fatehpur
C. Dhanbad
D. Palamu

10.   Eight boys, J, K, L, M, N, O, P and Q, are sitting in a row facing towards north east, not necessarily in the same order. O is fifth to the left of J. N is immediately left of J. M is fifth to the left of N. Q is third to the right of M. K is third to the left of P. P is an immediate neighbour of J. Who is sitting immediately right of O?
A. M
B. P
C. K
D. None of the above

11.   If the 1st of November is a Monday, what day will the 13th of May be in the same year?
A. Tuesday
B. Thursday
C. Wednesday
D. Friday

12.   If PEN = 46, PAGE = ?
A. 69
B. 73
C. 79
D. None of these

13.   A 7*7*7 blue cube is cut into 343 cubes of dimensions 1*1*1. The number of smaller cubes that have at least one face painted blue is
A. 150
B. 192
C. 210

D. 218

14. A certain sum was invested at 40% p.a compound interest for two years, and the interest was compounded annually. If the interest was compounded half-yearly, the amount payable on maturity after two years would have been 4544 more. What was the sum invested?
A. 42,500
B. 40,000
C. 42,000
D. 37,500

15. A tree, 12 m high, is broken by the wind in such a way that its top touches the ground and makes an angle of 60º with the ground. At what height above the bottom of Earth's surface is a tree broken by the wind?
A. (24√3 – 12) m
B. (24√3 – 18) m
C. (24√3 – 24) m
D. (24√3 – 36) m

16. How much water should be added to 90 ml of a 38% sugar solution so that it becomes a 17.1% sugar solution?
A. 85 ml
B. 95 ml
C. 110 ml
D. 100 ml

17. The points A (1, 2), B (3, 4) and C (4, 1) are the vertices of a triangle which is:
A. Isosceles
B. Right-angled
C. Equilateral
D. Scale

18. When $x^2 + ax + b$ is divided by $x – 7$ the remainder left is 35 and when $x^2 + bx + a$ is divided by $x - 7$, the remainder left is 31. Then $a + b$ is equal to-
A. 3
B. 4
C. −3
D. None of these

19. In how many ways can 1 employee be assigned to handle billing and 2 employees be assigned to customer support from a team of 8 employees?
A. 56
B. 336
C. 168

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D. 196

20.   Factorize 6! + 7! into prime factors.
A) $2^7 \cdot 3^2 \cdot 5$
B) $2^2 \cdot 3^2 \cdot 5^2 \cdot 7$
C) $2^6 \cdot 3 \cdot 5$
D) $2^3 \cdot 3^3 \cdot 5^2$

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Answers:

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

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