





- 1. Which of the following is not a measure of central tendency?
 - A. Median
 - B. Mode
 - C. Standard deviation
 - D. Mode
- 2. Which of the following divides a group of data into four subgroups?
 - A. Percentiles
 - B. Deciles
 - C. Median
 - D. Quartiles
- 3. The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most likely that this distribution is:
 - A. Positively Skewed
 - B. Symmetrical
 - C. Asymptotic
 - D. Negatively Skewed
- A coefficient of correlation is computed to be -0.95 means that: 4.
 - A. The relationship between two variables is weak.
 - B. The relationship between two variables is strong and positive
 - Data Science & C. The relationship between two variables is strong and but negative **Business Intelligence**
 - D. Correlation coefficient cannot have this value
- 5. A box contains 2 white, 3 black and 5 red balls. In how many ways can three balls be drawn from the box if at least one black ball is to be included in the draw

School of

- A. 29
- B. 36
- C. 48
- D. 85
- 6. How many words can be formed by using all letters of word ALIVE?
 - A. 86
 - B. 95
 - C. 105
 - D. 120





- 7. Two unbiased coins are tossed. What is probability of getting at most one tail?
 - A. 1/2
 - B. 1/3
 - C. 3/2
 - D. 3/4
- 8. Three coins are tossed. What is the probability of getting at most two tails?
 - A. 7/8
 - B. 1/8
 - C. 2/8
 - D. 4/8
- 9. A random variable X has the distribution B(12, 0.25). Find the probability of: A.. P (X<5)
 - A. 0.9687
 - B. 0.8424
 - C. 0.7378
 - D. 0.7
- 10. A die is thrown twice and the sum of the numbers appearing is observed to be 7. The conditional probability that the number 2 has appeared at least once is.

School of

Data Science &

- A. 2/11
- B. 1/3
- C. 1/6
- D. 1/4

11. If The correlation between X and Y is 0.3, what is the correlation between $\frac{2x+3}{5}$ and $\frac{4Y+7}{11}$?

- A. 0.3
- 0.3 Β.
- 5×11
- C. $\frac{2 \times 4 \times 0.3}{2 \times 4 \times 0.3}$ 5×11
- D. None of the above.



Above mentioned is the line plot of number of pens brought by individual customer from a stationery in one day. The median number of books bought by customer is:

- A. 3
- B. 4
- C. 3.5
- D. 4.5
- 13. The value of k for which the function

$$f(x) = \begin{cases} \min\{x, (k-x)\} & \text{if } 0 < x < 2, \\ 0 & \text{otherwise,} \end{cases}$$

is a probability density function is

- A. 1 B. 2 C. 3 D. 4 SDBBSChool of Data Science & Business Intelligence
 - 14. The variance of the first n natural numbers (1,2,...,n) isB
 - A. $\frac{(n+1)(2n+1)}{2n+1}$

B.
$$\frac{n^2-1}{12}$$

C.
$$\frac{2n(2n+3)}{6}$$

D. $\frac{(n+1)^2}{12}$

15. For 9 Bernoulli trials, what will be the mean of trials when the probability of failure is 0.56?(2 Marks- Discrete Distributions)

- A. 5.04
- B. 1.74
- C. 3.96
- D. 2.82



- 16. Number of products manufactured in a factory in a day are 3500 and probability that some piece are defected is 0.55 then mean of binomial probability distribution is
 - A. 1925
 - B. 6364
 - C. 63.64
 - D. 3500
- 17. A class consists of 15 girls and 10 boys. Three students are to be randomly selected. Find the probability that one boy and two girls are picked.

School of

Data Science &

Business Intelligence

- A. 1/50
- B. 3/25
- C. 21/46
- D. 25/122

18. If we differentiate:
$$y = \frac{x^4}{4} + 2x^2$$



19. Which of the following is the second derivative of $f(x) = 4x^3 - 11x^2 - 14x + 19$

A. $f''(x) = 12x^2 - 22x - 14$ B. f''(x) = 12x - 22C. f''(x) = 24x - 22D. f''(x) = 4x - 11

20. Which of the following correctly evaluates the definite integral $\int_{2}^{3} (x^{2} + 32 + 2) dx$?

- A. 97/3
- B. 110/3
- C. 74/3
- D. 4



21
$$\int \left(\sqrt{x} - \frac{1}{\sqrt{x}} + \sqrt[3]{x}\right) dx = ?$$

A. $\frac{2}{3}x^{3/2} - 2x^{1/2} + \frac{3}{4}x^{4/3}_{+C}$
B. $\frac{2}{3}x^{3/2} - 2x^{-1/2} + \frac{3}{4}x^{4/3} + C$
C. $x^{3/2} + x^{-1/2} + x^{4/3} + C$
D. $x^{3/2} + x^{-1/2} + x^{3/4} + C$

22. Show that the arithmetic- geometric mean inequality holds for number 7 and 9.

	A. AN	Λ= 8.94, GM= 7.9
	B. A	M= 7.94, GM= 8
5	C. AN	1= 8.94, GM=7
1	D. AN	Л= 8, GM= 7.94
23.	If A and	B are matrices, then which from the following is true?
	Α.	$A + B \neq B + A$
	В.	$(A^t)^t \neq A$
	C.	AB ≠ BA
	D.	all are true

24. If the order of matrix A is $m \times p$. And the order of B is $p \times n$. Then the order of matrix AB is?

A.	$m \times n$
В.	n × m
C.	п×р
D.	т×р
0.	m···p





25. What is a, if

$$B = \begin{bmatrix} 1 & 4 \\ 2 & a \end{bmatrix}$$

is a singular matrix?

- A. 6 B. 7
- C. 8

26. $x^3y^3 = ?$

- А. ЗхЗу
- B. (*xy*)⁶
- С. 9ху
- D. хххууу

28. Find x if $2x^2 + 6x - 4 = 0$

- A. -3.56
- B. -6.65
- C. 6.65
- D.-20.56
- 29. Find the sum of odd numbers 0-50?

School of

Data Science &

Business Intelligence

- A. 625
- B. 425
- C. 900
- D. 25

30. Integrate

$$\int \frac{3x-4}{x^2-3x+2} dx$$

A. $(x-1) + (x-2)^2$
B. $ln(x-1) + ln(x-2)^2$
C. $ln(x-1) + ln(x-2)$
D.0



31. What is n if $log_n \frac{27}{8} = -3$? (2 Marks - Notation and standard functions)

- A. 3/-2
- B. 3/2
- C. 2/3
- D. 2/-3

32. Solve the simultaneous equations: $\frac{6}{3x-1} = \frac{2x-7}{7}$

- A. x=-7 or 5/6
- B. x=7 or -5/6
- C. x=-5 or 1¹₆
- D. x=5 or -1¹/₆
- 33. Which of the following is the derivative of $y = x^2 + 7$?
 - A. $\frac{dy}{dx} = 2x + 7$ B. $\frac{dy}{dx} = 2x$ C. $\frac{dy}{dx} = 2x^{2}$ D. $\frac{dy}{dx} = \frac{1}{3}x^{3} + c$

34. Which of the following is the second derivative of $f(x) = 2x^{-3} - 5x^{-2} + 9$? A $f''(x) = -24x^{-5} + 30x^{-4}$

- A. $f''(x) = -24x^{-5} + 30x^{-4}$ B. $f''(x) = -6x^{-4} + 10x^{-3}$ C. $f''(x) = 12x^{-1} - 10$
- D. $f''(x) = 24x^{-5} 30x^{-4}$

35. If we differentiate:
$$y = \frac{x^4}{4} + 2x^2$$
, we get

- A. $\frac{x^3}{4} + 4x$
- B. $4x^3 + 4x$
- C. $4x^3 + 2x^2$
- D. $x^3 + 4x$

36. Find the value of $\int \frac{x^4 - 3x^2 + 4x}{x}$

A.
$$\frac{x^4}{4} - \frac{3x^2}{2} + 4$$

B.
$$x^4 - 3x^2 + 4x$$

- C. $3x^2 3$
- D. None of the above

Question Bank - QAT Subject: Mathematics and Statistics



Business Intelligence



37. The value of $\int_{0}^{1} \frac{e^{x+1}}{e^{x}} dx$ is A. $2 - e^{-1}$ B. $-e^{-1}$ C. $1 - e^{-1}$ D.

38. Which of the following is the indefinite integral of $x^2 + 7$?

- A. 2x + c
- B. $x^3 + 7x$
- C. $\frac{1}{2}x^3 + 7x$
- D. $\frac{1}{3}x^3 + 7x + c$

39. If the outcomes of a discrete random variable follow a Poisson distribution, then their:

- A. mean equals the variance.
- B. mean equals the standard deviation.
- C. median equals the variance.
- D. median equals the standard deviation.

40. What is the integral of
$$\frac{5}{x+1}$$
?
A. $5 \ln(x+1) + c$
B. $\frac{-10}{(x+1)^2} + C$
C. $\frac{-5}{(x+1)^2} + C$
D. $\frac{5}{\ln(x+1)} + c$
41. If $A = \begin{bmatrix} 1 & 2 \\ -3 & -4 \end{bmatrix}$ and $B = \begin{bmatrix} -2 & 4 \\ -3 & 5 \end{bmatrix}$ then AB is given by:

41. If
$$A = \begin{bmatrix} -3 & -4 \\ -3 & -4 \end{bmatrix}$$
 and $B = \begin{bmatrix} -2 & 4 \\ -3 & 5 \end{bmatrix}$ then *AB* is given by:
A. $\begin{bmatrix} -2 & 8 \\ 9 & -20 \end{bmatrix}$
B. $\begin{bmatrix} -8 & 14 \\ -6 & -32 \end{bmatrix}$
C. $\begin{bmatrix} -8 & 14 \\ 18 & -32 \end{bmatrix}$
D. $\begin{bmatrix} -14 & -20 \\ -18 & -26 \end{bmatrix}$





42. If A and B are matrices, then which from the following is true?

- A. $A + B \neq B + A$
- B. (At)t ≠ A
- C. AB≠BA
- D. all are true

43. If a matrix has equal number of columns and rows then it is said to be a

- A. row matrix
- B. identical matrix
- C. square matrix
- D. rectangular matrix

```
44. Interpret the Statement {x \in N: -1  x < 5}.
```

- A. $x \in \{-1,0,1,2,3,4,5\}$
- B. $x \in \{-1,0,1,2,3,4\}$
- C. $x \in \{0, 1, 2, 3, 4\}$
- D. $x \in \{1, 2, 3, 4\}$

45. Which of the following is the second derivative of $f(x) = -2x^4 + 3x^{-2} + 9$?

A. $-24x^2 - 18x^{-4}$ B. $-8x^3 - 6x^{-3}$ C. $-24x^2 + 18x^{-4}$ D. $-8x^2 + 18$

School of Data Science & Business Intelligence

46. Which of the following correctly evaluates the definite integral $\int_{1}^{2} (x^{-2} + 2x^{-3}) dx$?

A. $-\frac{11}{4}$ B. $\frac{4}{3}$ C. $\frac{5}{4}$ D. $\frac{11}{8}$





48. A group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

- A. 456
- B. 556
- C. 656
- D. 756

49. How many words can be formed by using all letters of the word BHOPAL?

- A. 420
- B. 520
- C. 620
- D. 720

50. In how many ways the letter of the word "RUMOUR" can be arranged

- A. 2520
- B. 480
- C. 360
- D. 180

51. The table consists of age at death of 30 male policyholders who held a policy with an insurance company

Age	40-49	50-59	60-69	70-79	80-89	90-99	100-109
Frequency	1	2	5	10	8	Dalla S	cience 8
		27				Busine	ss Intelli

Find the median age of the policyholders.

- A. 77.5 Years
- B. 76 Years
- C. 5 Years
- D. 8 Years

52. The marks obtained by 40 out of 50 students in class are given below:

Marks	42	36	30	45	50
No. of	7	10	13	8	2
Students					

Find the mode of the above data.

A. 50

- B. 13
- C. 30
- D. 42



53. What is probability of drawing two clubs from a well shuffled pack of 52 cards?

- A. 13/51
- B. 1/17
- C. 1/26
- D. 13/17

54. A die is rolled, find the probability that an even number is obtained.

- A. 2/6
- B. 1/6
- C. 1/2
- D. 4/6

55. Two coins are tossed, find the probability that two heads are obtained. Note: Each coin has two possible outcomes H (heads) and T (Tails).

- A. 1/2
- B. 1/4
- C. 3/4
- D. 0

56. Number of products manufactured in a factory in a day are 3500 and probability that some pieces are defected is 0.55 then mean of binomial probability distribution is

Data Science &

- A. 1925
- B. 6364
- C. 63.64
- D. 3500
- 57. 2600 applications for home mortgage are received by a bank and probability of approval is 0.78 then standard deviation of binomial probability distribution is
 - A. 2028
 - B. 546.16
 - C. 446.16
 - D. 646.16

58. For a Poisson distribution, parameter λ is having a value of 7. What is the variance for the distribution?

- A. 2.64
- B. 2.78
- C. 7
- D. 14



- 59. Bernoulli trials are a part of _____ probability distribution.
 - A. Poisson
 - B. Binomial
 - C. Hyper Geometric
 - D. Normal

60. From a city population, the probability of selecting i) a male smoker is 2/5, and ii) a male among the smokers is 2/3. The probability of selecting a non-smoker is:

- A. 4/5
- B. 2/5
- C. 1/5
- D. 3/5

61. Which of the following is not an example of a discrete probability distribution?

- A. The sale or purchase price of a house
- B. The number of bedrooms in a house
- C. The number of bathrooms in a house
- D. Whether or not a home has a swimming pool in it

62. If a card is chosen from a standard deck of cards, what is the probability of getting a diamond or a club?

School of

Business Intelligence

- A. 1/2
- B. 13/52
- C. 20/52
- D. 12/52

63. Find the mode from these test results: 17, 19, 18, 17, 18, 19, 11, 17, 16, 19, 15, 15, 15, 17, 13, 11.

- A. 15
- B. 11
- C. 17
- D. 19

64. Given a function as f(x)=5x+4, x belongs to R. If g: R \rightarrow R is inverse of function 'f'. then:

- A. g(x)=4x+5
- B. g(x)=5/(4x-5)
- C. g(x)=(x-4)/5
- D. g(x)=5x-4

65. $2^{1}+2^{2}+2^{3}+\ldots+2^{n}=$

- A. $2(2^{n}-1)$
- B. $2(2^{n-1}-1)$
- C. $2(2^{n+1}-1)$
- D. None of the above

Question Bank - QAT

Subject: Mathematics and Statistics



66. The 5th term of the G.P. 3,6,12,.... is

- A. 15
- B. 24
- C. 48
- D. 3

67. The sum of series 1+1/3+1/3²+.... is

- A. 2
- B. 3/2
- C. 4/3
- D. 10/9

 $\begin{array}{c|cccc}
68. \text{ The Value of} & 6 & 0 & -1 \\
2 & 1 & 4 \\
1 & 1 & 3 \\
\hline
\text{A.} & -7 \\
\text{B.} & 7 \\
\end{array}$

- C. 8
- D. 10

70. A function is said to be continuous for all x belonging to R, if

School of

Data Science &

Business Intelligence

- A. It is continuous at x=0
- B. Differentiable at x=0
- C. Continuous at two points
- D. Differentiable for all x belonging to R

70.	Va	lue of	3 1 2	- 4 1 3	5 5 1
	Α.	24			
	Β.	6			
	C.	2			

D. 46

71. Write the number of points where f(x)=|x+2|+|x-3| is not differentiable

- A. 2
- B. 3
- C. 0
- D. 1

72. If $g(x) = \log_e x$ and $f(x)=e^x$, then what is log of f(x)

- A. 0
- B. 1
- C. E
- D. 1+e

Question Bank - QAT

Subject: Mathematics and Statistics



RESPONSES OF THE SAMPLE QUESTIONNAIRE (QAT)

1.	C			
2.	D			
3.	С			
4.	С			
5.	D			
6.	D			
7.	D			
8.	А			
9.	В			
10	. В			
11	. В			
12	. A			
13	. В			
14	. В			
15	. C			
16	. A			
17	. C			
18	. D			
19	c			
20		1	School of	
21	. A		Schoolor	
22	. D		Data Science &	
23	.c V		Business Intelligence	ê.
24	. A	-	Deserver of the server general	
25	. D			
26	. D			
27	. В			
28	. A			
29	. A			
30	. В			
31	. C			
32	. D			
33	. D			
34	. D			
35	. D			
36	. A			
37	. A			
38	. D			
39	. A			
40	. A			
41	. C			
42	. C			
43	. C			

Question Bank - QAT

Subject: Mathematics and Statistics



44. C)		
45. C	C		
46. C	C		
47. C	C		
48. C)		
49. C	2		
50. C)		
51. A	4		
52. C	C		
53. E	3		
54. C	C		
55. E	3		
56. A	4		
57. C	2		
58. C	2		
59. E	3		
60. E	3		
61. A	4		
62. A	A		
63. 0			
64. 0			
65. E		1	School of
66. E			50100101
67. E	3		Data Science &
68. A	AV		Business Intelligence
69. E)		a she i sa
70. C)		
71. A	4		
72. E	3		





- 1. Which of these statements belongs to perfect continuous tense?
 - A. I was loving
 - B. I had written
 - C. I had been writing
 - D. I shall be writing
- 2. The statement I have written a letter belongs to which of these tenses?
 - A. Simple present tense
 - B. Present perfect tense
 - C. Present continuous tense
 - D. Present perfect continuous tense
- 3. Convert the following direct speech to indirect : She said, "My mother is cooking food."
 - A. She said that her mother was cooking food.
 - B. She said that my mother was cooking food.
 - C. She said that her mother is cooking food.
 - D. She said that my mother is cooking food.
- 4. Change the speech for the following statement :
 - She said, "The man died in the afternoon."
 - A. She said the man died in the afternoon.
 - B. She said that the man had died in the afternoon.
 - C. She had said the man died in the afternoon.
 - D. She said the man was dead in the afternoon.
- 5. Change the speech in the following sentence : She says, "I am happy to be here this evening."
 A. She said she was happy to be there that evening.
 B. She said she is happy to be there that evening.
 C. She said she is happy to be there that evening.
 D. She said she was happy to be there this evening.
- 6. Fill in the blank with an adjective clause : The cricket bat ______ is mine.
 A. with a broken handle
 B. which has a broken handle
 C. and a broken handle
 - C. and a broken handle
 - D. with a broke handle
- 7. Antonym of Military
 - A. civil
 - B. militant
 - C. civility
 - D. coup

Question Bank - QAT Subject: English School of Data Science & Business Intelligence

- 8. We can't swim because it is not ______ to swim.
 - A. hot enough
 - B. enough hot
 - C. hot too
 - D. too hot
- 9. Antonym of Timid
 - A. gentle
 - B. tired
 - C. brave
 - D. snicker
- 10. Synonym of Candid
 - A. experienced
 - B. frank
 - C. deceitful
 - D. secretive

11. I am angry with him ----- his carelessness.

- A. on
- B. to
- C. for
- D. at

12. When you have an unpleasant colleague, you simply have to _____ him.

School of

- A. Put with
- B. Put up with
- C. Make with
- D. Make up with
- 13. Find antonym of EXODUS
- A. Departure
- B. Typical
- C. Stay
- D. Normal

14. In the following sentence, replace the verb by a noun He fought bravely.

- A. He put up a brave fight
 - B. A fight was put up bravely
- C. A brave fight was put up
- D. A fight is put up bravely
- 15. She wants to stay ____ home tonight.
 - A. to
 - B. of
 - C. at
 - D. in

16. What is the synonym of LEGIBLE?

- A. Legal
- B. Readable
- C. Eligible
- D. Unclear

17. What is the synonym of Protagonist?

School of

- A. Protestor
- B. Lead Character
- C. Agitated
- D. Copywriter

18. What is the antonym of ENTANGLE?

- A. Untwist
- B. Twist
- C. Hook
- D. Impede

19. What is the antonym of IMPECCABLE?

- A. Nice
- B. Accurate
- C. Reasonable
- D. Faulty

20. What is the antonym of INVINCIBLE?

- A. Conquerable
- B. Powerful
- C. Ancient
- D. Invulnerable

Question Bank - QAT

Subject: English

- 21. Fill in the blank: Great people are indifferent ____ pain and pleasure.
 - A. To
 - B. In
 - C. For
 - D. About
- 22. Find out the alternative which will replace _____

Pen: Paper :: Brush: ____

- A. Painting
- B. Color
- C. Canvas
- D. Board
- 23. Fill in the blank. You _____ the invigilator in yesterday's examination before you

borrowed stationary from your batchmate

- A. Must inform
- B. Ought to have informed
- C. Could inform
- D. Need to have informed
- 24. _____ oranges are grown in Nagpur.
 - A. A
 - B. An
 - C. The
 - D. No article
- 25. This is ___ car I brought yesterday.
 - Α. Α
 - B. An
 - C. The
 - D. No article
- 26. It's ____ time you told him the truth
 - A. about
 - B. on
 - C. in
 - D. for
- 27. You shouldn't pick ____ him just because he is different
 - A. with
 - B. to
 - C. on
 - D. by

- 28. ____the year, I've spoken to her five times.
 - A. In
 - B. During
 - C. For
 - D. Throughout

29. ___our visit to Japan, we saw a lot of interesting places.

- A. While
- B. During
- C. Through
- D. For

30. In the following question sentence is given in Active/Passive voice. Out of the given 4 options select that option which expresses the same sentence in Passive/Active voice.

'Why are they laughing at you?'

- A. Why are they being laughed at by you?
- B. Why are you being laughed at by them?
- C. Why are you laughed at by them?
- D. None of the above

31. In the following question sentence is given in Active/Passive voice. Out of the given options select that option which expresses the same sentence in Passive/Active voice.

Business Intelligence

'Who can count the stars in the sky?'

- A. By whom can the stars in the sky be counted?
- B. By whom can be stars in the sky counted?
- C. By whom could the stars be counted in the sky?
- D. By whom could the stars in the sky be counted?
- 32. He was a little afraid for the trip, _____ he visited the haunted fort.
 - A. despite
 - B. nonetheless
 - C. while
 - D. however

33. Correct the underlined part of the following sentence: He does not need to explain anything this incident – his behaviour <u>is speaking itself</u>.

- A. has been speaking itself
- B. speaks itself
- C. speaks for itself
- D. speaks about itself

34. Correct the underlined part of the following sentence: In Roman times, getting out of bed on the left side would be thought as bringing bad luck.

- A. Was thought to bring bad luck
- B. Had been thought as to bring bad luck
- C. Was thought bringing bad luck
- D. Used to be thought as a bad luck

35. In the following question sentence is given in Active/Passive voice. Out of the given options select that option which expresses the same sentence in Passive/Active voice.

'The government has launched a massive tribal welfare programme in Jharkhand.'

- A. The Government in Jharkhand has launched a massive tribal welfare programme.
- B. Jharkhand government has launched a massive tribal welfare programme
- C. A massive tribal welfare programme is launched by the government in Jharkhand
- D. A massive tribal welfare programme has been launched by the government in Jharkhand.

36. In the following question sentence is given in Active/Passive voice. Out of the given options select that option which expresses the same sentence in Passive/Active voice.

'We should avoid tranquillizer in order to have a good health.'

- A. Tranquilizer should avoided by us in order to have good health
- School of B. Tranquilizer should been avoided by us in order to have a good health
- C. Tranquilizer sh<mark>ould be a</mark>voi<mark>d b</mark>y us in <mark>or</mark>der to have a good h</mark>ealth.
- D. Tranquilizer should be avoided by us in order to have a good health.

37. In the following question sentence is given in Active/Passive voice. Out of the given options select that option which expresses the same sentence in Passive/Active voice.

'Open the door'

- A. Let the door be opened
- B. The door shall be opened
- C. The door was opened
- D. Let the door shall be opened

38. When you phoned, I _____ in the garage.

- A. Worked
- B. Am working
- C. Was working
- D. Will be working

39. Fill in the blank: You ______ the invigilator in yesterday's examination before you borrowed the log table from your classmate.

- A. must inform
- B. ought to have informed
- C. could inform
- D. need to have informed

40. Identify the correct sentence.

- A. The student was hopeless to pass
- B. The candidate got an employment in the company
- C. Although it was very hot, but we played Cricket this afternoon
- D. Ramesh takes no care over his work

SOLUTION

15. C	29. B
16. B	30. B
17. B	31. A
18. A	32. B
19. D	33. C
20. A	34. A
21. A	35. D
22. C	36. D
23. B	37. A
24. D	38. C
25. C	39. B
26. A	40. D
27. C	
28. D	
	15. C 16. B 17. B 18. A 19. D 20. A 21. A 22. C 23. B 24. D 25. C 26. A 27. C 28. D

