

CMAT 2023 - Slot-2

Quantitative Techniques and Data Interpretation

1. Given below are two statements:

Statement I: A savings account at Bank A pays 6.2% interest, compounded annually. Bank B's savings account pays 6% compounded semi-annually. Bank B is paying less total interest each year.

Statement II: A sum of money at a certain rate of compound interest doubles in 3 years. In 9 years, it will be P times original principal. Then $P = 9$.

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

2. Consider the following figure that shows the graph of the function F defined by $F(x) = |2x| + 4$ for all numbers x:

For which of the following functions G defined for all numbers x does the graph of G intersect the graph of F?

- A $G(x) = x + 3$
- B $G(x) = 2x - 2$
- C $G(x) = 2x + 3$
- D $G(x) = 3x - 2$

3. If the selling price of 320 Web Cameras is equal to the cost price of 400 Web Cameras, then the percentage profit is :

- A 12%
- B 20%
- C 40%
- D 25%

4. The cost of the three components A, B and C of an electronic machine worth ₹12,000 in 2020 is given as a Pie-chart as shown below :

In the following year, the cost of these three components A, B, and C increased by 10%, 20%, and 10% respectively. The cost of the three components A, B, and C respectively in 2021, was

- A ₹3,300, ₹4,950, ₹5,350
- B ₹3,300, ₹4,800, ₹5,500
- C ₹3,200, ₹4,700, ₹5,600
- D ₹3,600, ₹4,800, ₹5,600

5. What is the 95th term of the following letter series?

A, A, B, B, B, B, C, C, C, C, C, D, D, D, D, D, D, D, D, E, ...

A H

B I

C J

D K

6. A certain sum of money earns a simple interest of ₹ 800 over 2-year period. The same sum of money invested at the same rate of interest and same period on a compound interest basis earns an interest of ₹ 900. What is the sum?

A ₹1,200

B ₹1,600

C ₹2,000

D ₹2,400

7. If $x > 0$, then which of the following expressions are equal to $3.6\% \frac{5x}{12}$ of ?

A. 3 percent of $20x$

B. x percent of $\frac{3}{2}$

C. $3x$ percent of 0.2

D. 0.05 percent of $3x$

E. $\frac{3x}{200}$

Choose the correct answer from the options given below:

A A and B only

B A and E only

C C and D only

D B and E only

8. Given below are two statements :

Statement I : Ravi walks from his house at a speed of 5 km per hour and reaches the college 10 minutes late. If he increases the speed by 1 km per hour next day, he reaches the college 4 minutes earlier than the scheduled time. If the college is P km far from his house, then $P = 7.5$ km.

Statement II: Amit runs $2\frac{1}{3}$ times as fast as Babita. If Amit gives Babita a start of 80 meters, then the winning post must be 140 meters far so that Amit and Babita might reach it at the same time. In the light of the above statements, choose the correct answer from the options given below.

A Both Statement I and Statement II are true

B Both Statement I and Statement II are false

C Statement I is true but Statement II is false

D Statement I is false but Statement II is true

9. Let a , b and c be the ages of three persons P, Q and R respectively where $a < b < c$ are natural numbers. If the average age of P, Q, R is 32 years and if the age of Q is exactly 6 years more than that of P, then what is the minimum possible value of c ?

A 34 years

B 36 years

C 38 years

D 32 years

10. Given below are two statements :

A number of distinct 8-letter words are possible using the letters of the word SYLLABUS. If a word is chosen at random, then

Statement I: The probability that the word contains the two S's together is $\frac{1}{4}$

Statement II : The probability that the word begins and ends with L is $\frac{1}{28}$.

In the light of the above statements, choose the correct answer from the options given below

A Both Statement I and Statement II are true

B Both Statement I and Statement II are false

C Statement I is true but Statement II is false

D Statement I is false but Statement II is true

11. What is the probability of getting a sum of 22 or more when four dice are thrown?

A $\frac{5}{432}$

B $\frac{4}{648}$

C $\frac{1}{144}$

D $\frac{7}{36}$

12. A train running at 18 km per hour crosses a mark on the platform in 9 seconds and takes 25 seconds to cross the platform. If P is the length of the train and Q is the length of the platform in meters, then (P, Q) = _____

A (45, 80)

B (45, 75)

C (50, 90)

D (50, 80)

13. Three pipes P, Q and R can fill a tank in 6 hours. After working at it together for 2 hours, R is closed and both P and Q can fill the remaining part in 7 hours. The number of hours that will be taken by R alone to fill the tank is

A 10

B 12

C 14

D 16

14. What is the area of an equilateral triangle whose inscribed circle has radius R?

A $4R^2$

B $4\sqrt{3}R^2$

C $(3+2\sqrt{2})R^2$

D $3\sqrt{3}R^2$

15. The number of all integers n for which $n^2 + 96$ is a perfect square, is

A 4

- B 6
- C 8
- D 10

16. Given below are two statements:

Statement I: The number of ways to pack six copies of the same book into four identical boxes where a box can contain as many as six books, is 9.

Statement II: The minimum number of students needed in a class to guarantee that there are at least six students whose birthday fall in the same month, is 61 .

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

17. Given below are two statements :

Statement I: The ratio of the son's age to the father's age is 1 : 5. The product of their ages is 245. The ratio of the son's age to the father's age after 9 years will be 3 : 5.

Statement II: A milkman adds 30 litres of water to 70 litres of milk. After selling $\frac{1}{5}$ th of the total quantity, he adds water equal to the quantity he sold. The proportion of water to milk he sells now would be 28 : 72.

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

18 If $x - \frac{1}{x} = y$, $y - \frac{1}{y} = z$, $z - \frac{1}{z} = x$, then which of the following equations are true?

- A. $\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 0$
- B. $\frac{1}{x^2} + \frac{1}{y^2} + \frac{1}{z^2} = 8$
- C. $\frac{1}{xy} + \frac{1}{yz} + \frac{1}{zx} = -3$

Choose the correct answer from the options given below:

- A A and B only
- B A and C only
- C B and C only
- D A, B and C only

19. If $5a = 9b = 2025$, then the value of $\frac{ab}{a+b} =$ _____.

- A 4
- B 3
- C 2
- D 1

20. Arrange the following numbers in increasing order:

- A. $\sqrt{59} - \sqrt{51}$
- B. $\sqrt{37} - \sqrt{29}$
- C. $\sqrt{87} - \sqrt{79}$
- D. $\sqrt{79} - \sqrt{71}$

Choose the correct answer from the options given below:

- A $B < A < D < C$
- B $C < D < B < A$
- C $B < A < C < D$
- D $C < D < A < B$

Logical Reasoning

21. Identify odd group of letters:

CE, IK, SV, FH, UW

- A sv
- B IK
- C uw
- D FH

22. Select the pair which has same type of relationship like Barometer : Pressure

- A Force:KG
- B Richter Scale : Heat
- C Weighing Scale : Meter
- D Thermometer : Temperature

23. The question consists of a statement, followed by two arguments numbered I and II. You have to decide which of the argument is a 'strong' argument and which is a 'weak' argument.

Statement

Arguments I : Women should be allowed to go out alone.

Arguments II : Yes. It would make them independent and safe.

Arguments III : No. They are under the protection of their male affines and they should be with them always

- A. Only argument I is strong
- B. Only argument II is strong
- C. Both arguments I and II are strong
- D. Both arguments I and II are weak

Choose the most appropriate answer from the options given below:

- A A
- B B
- C C
- D D

24. One statement and two assumptions for the statement are given. Read the statement, think about the assumptions and mark the correct option which is implicit in the statement.

Statement I : Some people believe in the existence of god.

Arguments II : Not everything in this world is created by humans.

Arguments III : Human beings are imperfect.

- A. Only argument I is implicit
- B. Only argument II is implicit
- C. Both arguments I and II are implicit
- D. Neither I nor II are implicit

Choose the most appropriate answer from the options given below:

- A A
- B B
- C C
- D D

25. A statement below is followed by two conclusions I and II. Assuming that everything in the statement is correct, consider the two conclusions together and decide which of them follows beyond reasonable doubt, from the information given in the statement.

Statement I : In a one day match, total runs made by a team were 200. Out of which 160 runs were made by the spinners.

Conclusions I : 80% of the team consists of spinners

Conclusions II : The opening batsmen were spinners

- A Only I follows
- B Only II follows
- C Both I and II follow
- D Neither I nor II follows

26. Abhishek, Bineeta, Manisha, Hari, Vaishali, and Gaurav are sitting around a circular table not necessarily in the same order. Some of them are facing the centre and the remaining are facing away from the centre.

- (i) Gaurav sits immediate left of Bineeta
- (ii) Only Abhishek and Bineeta face away from the centre
- (iii) Vishali and Hari are sitting next to each other
- (iv) There are two people between Hari and Gaurav
- (v) Abhishek is the neighbour of both Manisha and Guarav

If Hari and Abhishek interchange their places (having same facing direction) then who among the following sits to the immediate left of Abhishek?

- A Vaishali
- B Hari
- C Manisha
- D Gaurav

27. A 3 3 matrix is filled with the numbers from 31 to 39 according to the following rules:

- (a) 38 is above 39 and to the right of 32
- (b) 33 is to the right of 37 and above 39 which is to the left of 34
- (c) 32 is to the left of 35
- (d) 37 is above 36 and 32
- (e) 31 is above 35

'Above' and 'below' mean that they are in the same column while 'left' and 'right' mean that the numbers are in the same row.

What is the sum of the numbers in the middle row?

- A 101
- B 105
- C 107
- D 109

28. Find the odd one among the following:

- A 143
- B 168
- C 225
- D 195

29. Two statements are given below, there may be cause and effect relationship between the two statements.

These may be the result of same cause or independent cause. Read both the statements and mark the answer :

Statement I : There is an increase in the water level of all the water tanks supplying drinking water to the city in the last fortnight.

Statement II : Most of the trains were cancelled due to waterlogging on the tracks.

- A Statement I is the cause and Statement II is the effect
- B The Statement II is the cause and Statement I is the effect
- C Both the Statement I and Statement II are effects of independent causes
- D Both the Statement I and Statement II are effects of the same common cause

30. Find the missing term:

ZA₅, Y₄B, XC₆, W₃D, _____?

- A. UD₂
- B. VE₁
- C. V₄C
- D. DD₃

31. If 23rd April, 1995 is a Tuesday, then what will be the day on 23rd April, 1988?

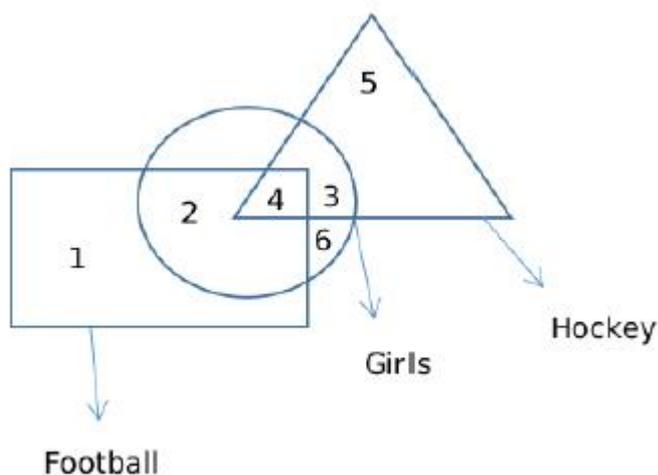
- A Monday
- B Friday

- C Saturday
- D Sunday

32. In a certain code language, if the word BEAUTIFUL is coded as BFLTAEIUU, then how is the word TECHNICAL coded in that language?

- A CTNLHAEI
- B CCAEIHNLNT
- C CAEICHLNT
- D CCHLNTAEI

33. Given below is the diagram which represents various sports played by the students. Based on the diagram find the number of girls who neither play hockey nor football



- A 6
- B 9
- C 8
- D 7.

34. Given below are two statements :

Statement I: If 'some students are intelligent' is true, then 'some students are not intelligent' is also true.

Statement II: If 'all logicians are mathematician' is true, then 'some non-mathematicians are not logicians' will be true.

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
- B Both Statement I and Statement II are false
- C Statement I is true but Statement II is false
- D Statement I is false but Statement II is true

35. In a certain code, 'CAB' is written as 75, How will 'RULE' be written as?

- A 85

- B 64
- C 45
- D 52

36. If MOUSE is written as FTVPN, then RACKET is written as

- A UELBCS
- B GSWRM
- C UFLDBS
- D HFMDBS

37. Match List - I with List-II :

LIST I

LIST II

- | | |
|------------|--------------|
| (A) EMBARK | (I) QGPIJB |
| (B) DECIDE | (II) CKDCPI |
| (C) PEOPLE | (III) NCQRJC |
| (D) SINGLE | (IV) BCEKBC |

Choose the most appropriate option from those given below:

- A (A)-(II); (B)-(IV); (C)-(III); (D)-(I)
- B (A)-(I); (B)-(II); (C)-(III); (D)-(IV)
- C (A)-(IV); (B)-(I); (C)-(II); (D)-(III)
- D (A)-(IV); (B)-(III); (C)-(II); (D)-(I)

38. If % means 'is less than', \$ means 'is greater than' and # means 'is equal to' and given that $a\%b$, $c\#d$ and $c\$b$ then which is true?

- A $a > b$
- B $a < c$
- C $c > d > a$
- D $d < b$

39. Complete the series 564, 152, 48, 21, from the following options:

- A 132
- B 24.2
- C 15.25
- D 13.25

40. Out of 400 students who attended a seminar, 240 opted for written exam, 200 opted for presentations, 160 opted for assignments and 20 did not opt for giving any of the three methods of test. 200 students had exactly one of the three methods of test.

How many students opted for exactly two of the three testing methods?

- A 140
- B 160

C 220
D 170

Language Comprehension

41. Pick the appropriate meaning of the term 'proscribe' used in the following sentence :-
'Arms culture should be proscribed by the government.'

- A Allowed
- B Prescribed
- C Prohibited
- D Defended

42. Pick the correct option to complete the following sentences :-

- I. Gold and silver _____ precious metals.
- II. The ship with its crew _____ lost.
- III. No nook or corner _____ left unexplored.
- IV. Neither my friend nor I _____ to blame.

Choose the correct answer from the options given below :-

- A (I-is); (II-were); (III-was); (IV-are)
- B (I- is); (II-was); (III-were); (IV- am)
- C (I-are); (II-were); (III-was); (IV-are)
- D (I-are); (II-was); (III-was); (IV-am)

43. Choose the word that is closest in meaning to the following statement :-

A medicine to counteract poison

- A Antidote
- B Aquatic
- C Agnostic
- D Anthropology

44. Pick the correct sentence :-

- A I have passed the examination last year.
- B I pass the examination last year.
- C I am passing the examination last year.
- D I passed the examination last year.

45. Choose the correct meaning of the following idiom :-

Catch Twenty Two

- A A situation in which it's impossible to succeed because of conflicting rules or conditions.
- B When you have a large and difficult task to do in the future.
- C When one problem causes another problem, which then causes the first problem again.
- D When you are at the limit of your mental resources, desperate and without additional options.

Instructions [46 - 49]

Read the following passage and answer the questions that follow :

What is religion? A very complex question! We know religion and we live religion. But, how do we explain or define religion? Religion is one of the most sensitive and vulnerable aspects of human life from the very beginning. Though it looks simple, it is not a simple reality to be easily defined or explained. There are many theories proposed regarding the origin of religion as a result of the development of speculative, intellectual and scientific mind. However, in spite of the differences in the understanding of this important element, it is confirmed that it is purely a human activity and it has become an inevitable aspect of human life. In the West, under the influence of the inherited tradition of Judeo-Christian tradition, religion was understood more theistically while in the East, it was mostly a response to the experience of the natural powers that are beyond human control and also to the inner urge for an ethical and moral reference.

Etymologically, the word 'religion' is derived from the Latin root 'religare' and it means 'to bind fast'. Then 'religion' has certainly a strong emphasis on community aspects. It is something that binds fast the members of it together. When we start thinking seriously on religion, naturally we fall upon thoughts of the definition of religion. There are numberless definitions of religion, The meaning and definition of religion differs according to the socio-cultural and psychological background of the person who reflects upon it. Even the political setting inserts its influence on the understanding of the meaning of religion. Some of the definitions are phenomenological and try to expose the common elements that we see in the acknowledged world religions. For example, the human recognition of a superhuman power entitled to obedience and worship. Some others are interpretative definitions.

46. The meaning and definition of religion depends upon following factors :-

- A. Socio-cultural
- B. Political
- C. Psychological
- D. Phenomenological

Choose the correct answer from the options given below :-

- A A and C
- B B, C and D
- C B and D
- D A, B, C and D

47. In which tradition, religion is seen as a response to the experience of the natural powers?

- A Western Tradition
- B Eastern Tradition
- C Indo-western Tradition
- D Christian Tradition

48. Which of the phrases is closest in meaning to etymology?

- A Origin of ideas and thoughts
- B Origin of religion

C Origin of human life

D Origin of words and their meanings

49. Which of these statements are correct with reference to the above passage?

A. Religion is one of the most sensitive aspects of human life form.

B. Religion is purely a human activity.

C. Religion doesn't bind the members of a community together.

Choose from the options given below:

A A and B

B Only B

C A, B and C

D Only A

50. Match List-I with List-II:

LIST I

(Foreign Phrases Commonly used in English)

(A) Carp Diem

(B) Faux Pas

(C) Magnum Opus

(D) Prima facie

LIST II

(Meaning)

(I) Accepted as such until proven

(II) An embarrassing blunder

(III) The most important work of

(IV) Seize the day

Choose the correct option from those given below:

A (A)-(I); (B)-(II); (C)-(III); (D)-(IV)

B (A)-(III); (B)-(II); (C)-(IV); (D)-(I)

C (A)-(IV); (B)-(II); (C)-(III); (D)-(I)

D (A)-(II); (B)-(IV); (C)-(I); (D)-(III)

51. Replace the phrase in italics in the given sentence from the options given below to make a grammatically correct sentence :-

I don't think you need to explain the situation, your conduct is speaking itself.

A Will speak to itself

B Speak for itself

C Has been speaking

D Speaks about itself

52. Read the sentences given below :-

I. I do not know whether he will come or not.

II. I do not know that he will come or not.

Choose the correct answer from the options given below :-

A I is correct but II is incorrect

B I is incorrect but II is correct

C Both I and II are correct

D Both I and II are incorrect

53. Choose the correct order of the sentences to create a meaningful paragraph :-

P : At other times, it's a spontaneous communication within a small group of people.

Q : Oral storytelling is an old, widespread , and much-loved tradition in many cultures.

R : This spontaneity is enjoyed by both children and adults.

S : It's sometimes a performing art that involves interaction between the storyteller and the audience.

codes:

A PQSR

B QSPR

C RPSQ

D SRPQ.

54. Find out which part of the sentence has an error, if there is no error, mark option 4

A The primary objective of the essay is to draw

B Analogies between the two work

C Addressing the common memories and trauma of dislocation

D No error

55. Find out which part of the following sentence has an error :-

The earth moves round the sun, Isn't it?"

A The earth moves

B Round the sun

C Isn't it?

D No error

56. Choose the correct option of Active Voice sentence for the given sentence of Passive Voice :-

The child was looked after by the maid.

A The maid looked after the child.

B The maid was looked after by the child.

C The maid was looking after the child.

D The maid will look after the child.

57. Choose the correct one word substitute for the following phrase :-

Lasting for a very short time

A Vulnerable

- B Ambivalent
- C Ephemeral
- D Flamboyant

58. Identify which of the sentence are correct :

- A. She was pouring water in the jug.
- B. My father was angry with my brother.
- C. Rama has been living in Delhi for 1975.
- D. The children laughed at the beggar.
- E. The patient was crying on pain.

Choose the correct answer from the options given below :-

- A B and D only
- B A, B and D only
- C A, B and E only
- D B, D and E only

59. Identify the correct passive voice form of the following sentence :-

My mother cooks Italian food every Sunday.

- A Every Sunday Italian food cooked by my mother.
- B Italian food is cooked by my mother every Sunday.
- C Italian food is being cooked by her every Sunday.
- D Italian food was cooked by my mother every Sunday.

60. Find out which part of the following sentence has an error :-

"Neither he nor I are wrong"

- A Neither he
- B Nor I
- C Are wrong
- D No error

General Awareness

61. Who was associated with the philosophy, 'Divinity in Humanity'?

- A Swami Ramkrishna Paramhansa
- B Mother Teresa
- C Swami Vivekananda
- D Swami Sivananda

62. Match List-I with List-II :

LIST I

- (A) Solarimeter
- (B) Anemometer
- (C) Thermocouple
- (D) Venturi tube

LIST II

- (I) Wind velocity
- (II) Flow of liquid
- (III) Solar radiation
- (IV) Temperature

Choose the most appropriate option from those given below :

- A (A)-(III); (B)-(I); (C)-(II); (D)-(IV)
- B (A)-(III); (B)-(II); (C)-(I); (D)-(IV)
- C (A)-(I); (B)-(III); (C)-(IV); (D)-(II)
- D (A)-(III); (B)-(I); (C)-(IV); (D)-(II)

63. Match List-I with List-II :

LIST I

- (A) Rungrado
- (B) MCG
- (C) Unites Centre
- (D) Rhoads

LIST II

- (I) Softball
- (II) Basketball
- (III) Football
- (IV) Cricket

Choose the most appropriate option from the those given below:

- A (A)-(I); (B)-(II); (IV); (D)-(III)
- B (A)-(II); (B)-(I); (C)-(IV); (D)-(III)
- C (A)-(III); (B)-(IV); (C)-(I); (D)-(II)
- D (A)-(III); (B)-(IV); (C)-(II); (D)-(I)

64. The author of the book, The Struggle in My Life is

- A Jomo Keryatta
- B Nelson Mandela
- C Frederick Chiluba
- D Bishop Desmond Tutu

65. Match List -I with List -II

LIST I

- (A) Only Indian to win two individual Olympic Medals in 2012.
- (B) The first Indian and only player from his sports to compete at seven Olympic games.
- (C) The youngest Indian participate at the 2000 Sydney Olympics to Gold Medal for his country.
- (D) The First Indian to be World Champion in any sport and to become recipient of both Arjuna and Dronacharya Award.

LIST II

- (I) Leander Paes
- (II) Abhinav Bindra
- (III) Wilson Jones
- (IV) Sushil Kumar

Choose the most appropriate option from those given below:

- A (A)-(I); (B)-(IV); (C)-(II); (D)-(III)
- B (A)-(IV); (B)-(I); (II); (D)-(III)
- C (A)-(II); (B)-(I); (IV); (D)-(III)
- D (A)-(III); (B)-(II); (C)-(I); (D)-(IV)

66. Given below are two statements :

Statement I : The performance and potential of insurance sector is assessed using insurance density as an indicator.

Statement II : The performance and potential of insurance sector is assessed using insurance penetration as an indicator.

In the light of the above statements, choose the most appropriate answer from the options given below.

- A Both Statement I and Statement II are correct
- B Both Statement I and Statement II are incorrect
- C Statement I is correct but Statement II is incorrect
- D Statement I is incorrect but Statement II is correct.

67. Given below are two statements:

Statement I : According to IT rules 2021 social media platforms with minimum 50 lakh registered users are classified as significant social media intermediaries.

Statement II : OTT platforms cannot upload content which is adult and explicit in nature.

In the light of the above statements, choose the most appropriate answer from the options given below.

- A Both Statement I and Statement II are correct
- B Both Statement I and Statement II are incorrect
- C Statement I is correct but Statement II is incorrect
- D Statement I is incorrect but Statement II is correct

68. Who among the following thinkers is attributed with the following statement? "So long as the millions live in hunger and ignorance, I hold every man a traitor, who having been educated at their expense, pays not the least heed to them?"

- A Ram Manohar Lohia
- B Swami Vivekananda
- C M. N. Roy
- D Raja Ram Mohan Roy

69. Who was chosen as the first Satyagrahi to launch the individual Satyagrah in 1940?

- A Jawaharlal Nehru
- B Bal Gangadhar Tilak
- C Brahma Datt
- D Acharya Vinoba Bhave

70. Who among the following is a Structural Biologist who shared the 2009 Nobel Prize in Chemistry for studies on the structure and function of Ribosome and is a Padma Vibhushan Awardee?

- A Vijayan O V
- B Venkatraman Ramakrishnan
- C Har Gobind Khorana
- D Venkayya Pingali

71. In November, 2020 Union Cabinet gave its nod to merge which two banks?

- A Lakshmi Vilas Bank with Allahabad Bank
- B DBS Bank of India with Allahabad Bank
- C Lakshmi Vilas Bank with DBS Bank of India
- D DBS Bank of India with Karur Vysya Bank

72. Given below are two statements:

Statement I : Nilgiri hills connect Eastern and Western Ghats

Statement II : Satpura hills connect Eastern and Northern Ghats

In the light of the above statements, choose the most appropriate answer from the options given below.

- A Both Statement I and Statement II are correct
- B Both Statement I and Statement II are incorrect
- C Statement I is correct but Statement II is incorrect
- D Statement I is incorrect but Statement II is correct

73. Which of the following Indian rivers are part of the Peninsular River System?

- A. Betwa
- B. Beas
- C. Narmada
- D. Gandhak
- E. Tapi

Choose the most appropriate answer from the options given below :

- A A and C only
- B C and D only
- C C and E only
- D A, B and C only

74. Which of the following are the names of the actual Corona Virus Variants?

- A. Alpha Variant
- B. Beta Variant
- C. Gamma Variant
- D. Delta Variant
- E. The Kappa Variant

Choose the most appropriate answer from the options given below :

- A A, Band D only
- B D only
- C A, B, C, D and E
- D A, B, C and D only

75. Who can dissolve the Lok Sabha before the expiry of its normal term of 5 years?

- A The Prime Minister
- B The President of India
- C The President on the recommendation of the Prime Minister
- D The President on the recommendation of the speaker

76. Which of the following Bengali works of fiction is often considered as the first political novel in India?

- A Anandmath
- B Gora
- C Onti Dani (Lone Voice)
- D Ghasiram Kotwal

77. Which of the following is true regarding History of Buddhism in India?

- A. The Turkish killed large number of Buddhist monks in Bihar
- B. The Brahmana Pashyamitra Shunga persecuted the Buddhists
- C. The Huna king Mihirakula killed hundreds of Buddhists
- D. The Shaivite Shashanka of Gauda felled the Bodhi tree at Bodh Gaya
- E. Hsuan Tsang stated that 1600 stupas and monasteries were destroyed and thousands of monks killed

Choose the most appropriate answer from the options given below :

- A A, D and E only
- B A and E only
- C A only
- D A, B, C, D and E

78. Which of the following is/are true regarding the Judicial system of India?

- A. There can be maximum of 20 judges in the Supreme Court of India.
- B. Judges of Supreme Court retire at the age of 65 years.
- C. Among the High Courts of India, the highest number of cases are pending at Allahabad High Court, as on March, 2022.

- D. Among the High Courts the least number of cases are at Karnataka High Court.
E. There are 29 High Courts in India.

Choose the most appropriate answer from the options given below

- A A, B, C and D only
B B, C and E only
C A, C and D only
D B and C only

79. Who among the following sportsperson was appointed as the Vice-Chancellor of Delhi Sports University in June 2021?

- A P. T. Usha
B Abhinav Bindra
C Kamam Malleswari
D Rajyavardhan Singh Rathore

80. Given below are two statements:

Statement I : The branch of science which shows inter-relationship of living organism and their environment is called genetics.

Statement II : The techniques of recording and reproducing three dimensional images of object is known as lexicography.

In the light of the above statements, choose the correct answer from the options given below.

- A Both Statement I and Statement II are true
B Both Statement I and Statement II are false
C Statement I is true but Statement II is false
D Statement I is false but Statement II is true

Innovation and Entrepreneurship

81. What is the full form of EPCG?

- A Export Promotion Capital Goods
B Export Promotion Council of Goods
C Export Potential of Capital Goods
D Export Promotion Council of Government

82. The primary focus of SMILE loan of SIDBI is to

- A Upgrade their machinery with state-of-the-art equipment
B To meet the debt-equity ratio of a unit or to help in its growth and expansion
C For technology upgradation and expansion
D One-time non-recurring loan for start ups

83. 'Entrepreneur' means

- A To struggle
- B To undertake**
- C To invent
- D To motivate

84. An entrepreneur who is the owner of more than one business is called

- A Portfolio entrepreneur**
- B Intrapreneur
- C Corporate entrepreneur
- D Owner entrepreneur

85. The start-up loans offered by MUDRA banks to small enterprises, business which are non-corporate, and non-farm small/micro enterprises is up to the limit of Rs _____ lacs.

- A 20
- B 10**
- C 40
- D 30

86. Which are the BRIC countries?

- A Britain, Russia, India and Canada
- B Brazil, Russia, India and China**
- C Bangladesh, Rwanda, India and China
- D Bhutan, Rwanda, India and Cuba

87. Entrepreneurship can be best described as

- A Process that requires setting up a business
- B Taking a significant risk in a business context
- C Having a strong vision
- D A process involving innovation and value creation**

88. A person who improves an existing business is called

- A A changeling
- B A leader
- C A professional
- D An Intrapreneur**

89. The legal term for brand is

- A Patent
- B Licence
- C Trademark**
- D TOM

90. Which of these theories involve taking a moderate amount of risk as a function of skill and not chance?

- A Need for achievement
- B Need for affiliation
- C Need for authority
- D Need for independence

91. For a project to be viable, the first necessary condition is

- A That it should have a market
- B That it should have government support
- C That its expected return should be greater than bank rate
- D That it should be based on tried and tested technology

92. As business grows, time management continues to be an issue, but the entrepreneur's major concern usually becomes :

- A Setting goals
- B Finding, retaining, and motivating qualified employees
- C Measuring performance
- D All of these

93. _____ entrepreneurs suffer losses, as they refuse to make any modifications in the existing production methods.

- A Drone
- B Passionate
- C Imitative
- D Possessive

94. Which of the following is not a legitimate way of bringing a new business idea to market?

- A A start up
- B Business plan
- C A buy-out
- D Franchise

95. The business plan of a venture must show consistent, but manageable projected growth because

- A Many entrepreneurs fail after expanding too rapidly
- B Investors want to see quick growth
- C Banks are interested in profits, not expenses
- D Bankers and investors prefer small companies

96. Entrepreneurs have to deal with

- A Internal uncertainties only
- B External uncertainties only
- C Both external and internal uncertainties
- D Neither external nor internal uncertainties

97. In context of market feasibility analysis the analyst should consider the following factor as a priority

- A Target market attractiveness
- B Financing of market expenditure
- C Availability of marketing personnel
- D Market leadership

98. According to Gary Hamel, which one of the following propositions is one of the four pillars to create value for the company and the customer?

- A The well-being innovation
- B The management innovation
- C The digital innovation
- D The financial innovation

99. Which type of innovation seeks to make a better product to target the high-end of the market?

- A Sustaining innovation
- B Low-end disruptive innovation
- C New market disruptive innovation
- D Quantity based innovation

100. Which of the following statement(s) is/are true?

- A. Technical feasibility is not required in case of hospital projects.
- B. Pattern of financing is ignored while computing cost of capital
- C. CPM is superior to PERT in some situations
- D. Infrastructure projects are ideally financed through long term sources.
- E. Cost of internally generated funds is zero.

Choose the correct answer from the options given below:

- A B, E only
- B D and E only
- C A and B only
- D C and D only