

Karnataka PGCET 2024 MCA Question Paper

Time Allowed :2 Hours	Maximum Marks :100	Total questions :100
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General Instructions

Read the following instructions very carefully and strictly follow them:

- 1. Examination name:** Karnataka PGCET
- 2. Full form:** Karnataka Post Graduate Common Entrance Test
- 3. Exam conducting body:** Karnataka Examination Authority
- 4. Karnataka PGCET exam level:** State-level
- 5. Examination mode:** Online
- 6. Exam frequency:** Once every year
- 7. Language option for Karnataka PGCET:** English
- 8. Exam duration:** 2 hours

1. Choose the word which is CLOSEST in meaning to the word given in the question:

FABULOUS

- (1) Auspicious
 - (2) Astonishing
 - (3) Credible
 - (4) Rigorous
-

2. Choose the word which is OPPOSITE in meaning to the word given in the question:

ISOLATE

- (1) Assuage
 - (2) Insulate
 - (3) Mingle
 - (4) Transpose
-

3. Select the option which best expresses the meaning of the given idiom/phrase.

Add fuel to the fire

- (1) Make somebody angry
 - (2) Make something worse
 - (3) To start a fire somewhere
 - (4) To call for help
-

4. Directions: There are five sentences marked as I, II, III, IV and V. The position of I is fixed as the first sentence of the passage. Choose one of the four alternatives given below as the most logical sequence of the sentences in the passage.

I. For thousands of years, Indians have believed that man is different from his fellow animals because of his ability to make tools.

II. In modern India, people still place garlands on the machines of their different trades hoping for an auspicious response.

III. They have also developed a tradition of worshipping and honouring the tools and implements they use in agriculture and business.

IV. By honouring their implements they honour human ingenuity.

V. Weapon worship originated with warriors honouring their weapons, the tools of their trade.

- (1) IV, V, II, III
 - (2) III, IV, V, II
 - (3) V, II, III, IV
 - (4) II, III, IV, V
-

5. There are four parts of the sentence marked A, B, C and D. Choose one of the four alternatives given below as the most logical sequence of the parts to form a correct sentence.

I enjoy going markets because / bargains and unusual items / to auctions and flea / I can find

- (1) CADB
 - (2) ACDB
 - (3) CDAB
 - (4) ADBC
-

6. Select the best alternative for the underlined expression to make the sentence better in meaning.

If I were Ramesh, I would not accept this job.

- (1) If I was Ramesh
 - (2) If I am Ramesh
 - (3) If I have Ramesh
 - (4) No improvement
-

7. Choose the correct word and fill in the blank.

_____ is a pond near the hill.

- (1) Their
 - (2) They're
 - (3) There
 - (4) Dare
-

8. Select the most appropriate form of the word and complete the sentence.

Health is too important to be

- (1) neglect
 - (2) neglecting
 - (3) neglected
 - (4) neglected
-

9. There are four parts to the sentence that have been underlined and marked A, B, C, and D. Choose the part that has an error. *He was quite amusing when he heard what had happened.*

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

10. Choose the passive form of the following sentence from the options given: *"The boys were playing cricket."*

- (1) Cricket had been played by the boys.
- (2) Cricket has been played by the boys.
- (3) Cricket was played by the boys.
- (4) Cricket was being played by the boys.

11. Choose the alternative which is the best substitute for the phrase.

One who is filled with excessive enthusiasm in religious matters

- (1) Heretic
 - (2) Highbrow
 - (3) Fatalist
 - (4) Fanatic
-

Direction: *Read the passage given below which is followed by a set of questions. Choose the best answer to each question (12 – 16).*

Passage: Astrologers habitually prone to goof-ups now have an excuse for why their predictions have been going haywire: the emergence of newer and newer planets that have

caused their calculations to go awry. For the international zoom of astronomers who recently discovered eight new planets, new arrivals are, however, a cause of excitement. Indeed, even as the rest of the world continues to be consumed by a morbid passion for shiny new machines, deadly chemicals, and sinister war tactics, astronomers have been doggedly searching the heavens for more heavenly bodies in the belief that the search will take us closer to a more exalted goal, that of knowing the truth about us and the universe. "Reality is much bigger than it seems... the part we call the universe is the nearest tip of the iceberg," one scientist remarked. How true. In the beginning, sceptics could not accept that the Earth not only moves, but alone that it revolves around the Sun, because of an unshaken belief that the Earth was the centre of the universe. We've come a long way. Today, scientists have spotted nearly 80 extra-solar planets using sophisticated instruments.

12. According to the passage, which of the following have non-astronomers not been busy with?

- (1) Sinister war tactics
 - (2) Being sceptical about the universe
 - (3) Deadly chemicals
 - (4) Shiny new machines
-

13. As per the passage,

- (1) The author insists new planets have disturbed the world
 - (2) New planets have made astrologers' predictions go wrong
 - (3) The author has a positive disposition towards scientific discoveries in general
 - (4) New planets are discovered by astrologers.
-

14. According to the author, who are continually searching for the truth about us and the universe?

- (1) Astronomers
 - (2) Astrologers
 - (3) Sceptics
 - (4) The author himself/herself
-

15. Mentioning "The morbid passion for war", the author

- (1) is not happy with war and spending on war.
 - (2) says it is natural to spend on war.
 - (3) says the world is after new war tactics.
 - (4) is happy that the world is not disturbing astronomers.
-

16. The net understanding of the passage is

- (1) Astronomers are better than astrologers.
 - (2) Science has moved us from the conclusive belief to reasonable understanding.
 - (3) That the Sun is not revolving around the Earth but the Earth is revolving around the Sun.
 - (4) Astrologers are to be rejected.
-

17. Ajay left home for the bus stop 15 minutes earlier than usual. It takes 10 minutes to reach the stop. He reached the stop at 8.40 a.m. What time does he usually leave home for the bus stop?

- (1) 8.30 a.m.
 - (2) 8.45 a.m.
 - (3) 8.55 a.m.
 - (4) Data inadequate
-

18. If in the word 'DISTURBANCE', the first letter is interchanged with the last letter, the second letter is interchanged with the tenth letter and so on, which letter comes after the letter T in the newly formed word?

- (1) C
 - (2) N
 - (3) S
 - (4) E
-

19. Six roads lead to a country. They may be indicated by letters X, Y, Z and digits 1, 2, 3. When there is a storm, Y is blocked. When there are floods, X, 1 and 2 will be affected. When road 1 is blocked, Z also is blocked. At a time when there are floods and a storm also

blows, which road(s) can be used?

- (1) Only Y
 - (2) Only Z
 - (3) Z and 2
 - (4) Z and 2
-

20. There are six children playing football, namely A, B, C, D, E and F. A and E are brothers. F is the sister of E. C is the only son of A's uncle. B and D are the daughters of the brother of C's father. How is C related to F?

- (1) Cousin
 - (2) Brother
 - (3) Son
 - (4) Uncle
-

21. Manoj and Sachin are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom of the class?

- (1) 20th and 24th
 - (2) 24th and 20th
 - (3) 25th and 21st
 - (4) 26th and 22nd
-

22. Consider the following statements followed by conclusions. Assuming the statements to be true, decide which of the conclusion(s) follow(s) from the given statements.

Statements:

All books are books.

All cakes are apples.

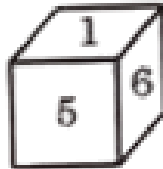
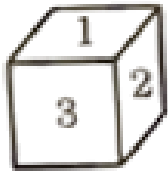
Conclusions:

- I. Some cakes are books.
- II. No cake is a book.
- III. Some apples are books.

IV. All apples are books.

- (1) Only conclusion I follows
- (2) Either conclusion I or II follows
- (3) Only conclusion I and III follow
- (4) Either conclusion III or IV follows

23. Two positions of a dice are shown. When 4 is at the bottom, what number will be on the top?



- (1) 3
- (2) 1
- (3) 2
- (4) 5

24. Reena is twice as old as Sunitha. Three years ago, she was three times as old as Sunitha. How old is Reena now?

- (1) 6 years
- (2) 7 years
- (3) 8 years
- (4) 12 years

25. Consider the following statement followed by conclusions. Decide which of the conclusion(s) follows from the given statement.

Statement: Morning walks are good for health.

Conclusions:

- I. All healthy people go for a morning walk.
- II. Evening walks are harmful.

- (1) Only conclusion I follows
- (2) Only conclusion II follows

- (3) Neither conclusion I nor II follows
(4) Both conclusions I and II follow
-

26. Four milkmen rented a pasture. A grazed 24 cows for 3 months, B, 10 cows for 5 months, C, 35 cows for 4 months and D, 21 cows for 3 months. If A's share of rent is ₹720, then the total rent of the field is:

- (1) ₹3000
(2) ₹2250
(3) ₹4000
(4) ₹3250
-

27. If the cost price of an article is ₹632, selling price of an article is ₹765 and total profit earned is ₹1596, then the number of articles sold are:

- (1) 12
(2) 14
(3) 10
(4) 11
-

28. A mixture contains alcohol and water in the ratio 4 : 3. If 5 litres of water is added to the mixture, the ratio becomes 4 : 5. The quantity of alcohol in the given mixture is:

- (1) 4 litres
(2) 5 litres
(3) 10 litres
(4) 9 litres
-

29. If 20 men can build a wall 56 metres long in 6 days, what length of a similar wall can be built by 35 men in 3 days?

- (1) 36 metres
(2) 25 metres
(3) 49 metres
(4) 50 metres

30. A man takes 3 hours 45 minutes to row a boat 15 km downstream of a river and 2 hours 30 minutes to cover a distance of 5 km upstream. What is the speed of the river current in km/hr?

- (1) 2
- (2) 1
- (3) 3
- (4) 2.5

31. A man is standing on a railway bridge which is 180 m long. He finds that a train crosses the bridge in 20 seconds and him in 8 seconds. The length of the train is:

- (1) 120 metres
- (2) 160 metres
- (3) 90 metres
- (4) 100 metres

32. If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

- (1) Sunday
- (2) Monday
- (3) Tuesday
- (4) Thursday

33. How many 5's are there in the following sequence which are immediately followed by 3 but not immediately preceded by 7?

8953253855687335775363535738

- (1) One
 - (2) Two
 - (3) Three
 - (4) Four
-

34. If the height of a pole is $2\sqrt{3}$ metres and the length of its shadow is 2 metres, what is the angle of elevation of the sun?

- (1) 60°
 - (2) 45°
 - (3) 30°
 - (4) 15°
-

35. A cone, a hemisphere and a cylinder stand on equal bases and have the same height. The ratio of their volumes is:

- (1) $1 : 2 : 3$
 - (2) $2 : 1 : 3$
 - (3) $3 : 1 : 2$
 - (4) $2 : 3 : 1$
-

36. If $\log_3 2, \log_3(2^x - 5), \log_3(2^x - \frac{7}{2})$ are in A.P., then x is:

- (1) $1, \frac{1}{2}$
 - (2) $1, \frac{1}{3}$
 - (3) $1, \frac{3}{2}$
 - (4) None of the above
-

37. If the sum of the roots of a quadratic equation $ax^2 + bx + c = 0$ is equal to the sum of the square of their reciprocals, then $\frac{a}{c}, \frac{b}{a}, \frac{c}{b}$ are in:

- (1) AP
 - (2) GP
 - (3) HP
 - (4) None of the above
-

38. The value of $\sum_{a,b,c} \frac{1}{1+\log_a bc}$ is:

- (1) 0
- (2) 1
- (3) 2

(4) 3

39. In the expansion of $\left(x - \frac{3}{x^2}\right)^9$, the constant term is:

- (1) 9C_2
 - (2) -2268
 - (3) 2268
 - (4) Does not exist
-

40. If $A = \begin{bmatrix} \cos \theta & \sin \theta & 0 \\ \sin \theta & -\cos \theta & 0 \\ 0 & 0 & 1 \end{bmatrix}$, then the value of AA' is:

- (1) $\begin{bmatrix} 1 & 1 & 0 \\ 0 & 1 & 0 \\ 1 & 1 & 0 \end{bmatrix}$
 - (2) $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$
 - (3) $\begin{bmatrix} 0 & 0 & 0 \\ 0 & 1 & 0 \\ 1 & 0 & 0 \end{bmatrix}$
 - (4) $\begin{bmatrix} 1 & 1 & 1 \\ 0 & 0 & 0 \\ 1 & 1 & 0 \end{bmatrix}$
-

41. If the latus rectum of an ellipse is equal to half of the minor axis, then its eccentricity is:

- (1) $\frac{1}{\sqrt{2}}$
- (2) $\frac{\sqrt{3}}{\sqrt{2}}$
- (3) $\frac{\sqrt{3}}{2}$
- (4) $\frac{1}{2}$

42. The equation of the tangent at $(2, -3)$ on the hyperbola $x^2 - \frac{y^2}{3} = 1$ is:

- (1) $x + 2y = 0$
 - (2) $2x + y = 0$
 - (3) $x + 2y = 1$
 - (4) $2x + y = 1$
-

43. The angle between $x^2 = y$ and $y^2 = x$ at $(1, 1)$ is:

- (1) $\tan^{-1} \left(\frac{3}{4} \right)$
 - (2) $\tan^{-1} \left(\frac{4}{3} \right)$
 - (3) $\tan^{-1} \left(\frac{1}{3} \right)$
 - (4) $\tan^{-1} \left(\frac{1}{4} \right)$
-

44. The distance between the foci of the hyperbola $\frac{x^2}{16} - \frac{y^2}{9} = 1$ is:

- (1) 10
 - (2) 5
 - (3) 20
 - (4) 40
-

45. What is the annual income derived by investing ₹6800 in 10% stock at 136?

- (1) ₹500
 - (2) ₹600
 - (3) ₹400
 - (4) ₹300
-

46. If x and y are Boolean variables, then which of the following statement is/are incorrect?

- a. $x \vee 0 = x, x \wedge 1 = x$
- b. $x \vee x' = 1, x \wedge x' = 0$
- c. $x \wedge (x \vee y) = x$

- d. $x \wedge (x \wedge y) = x \vee y$

(1) a, b and c

(2) a only

(3) c only

(4) d only

47. The Boolean equation of NOR gate is

(1) $C = A + B$

(2) $C = \overline{A + B}$

(3) $C = A \cdot B$

(4) $C = \overline{A \cdot B}$

48. The dual of $x \vee (y \wedge 0)$ is

(1) $x \wedge (y \vee 1)$

(2) $x \vee (y \vee 1)$

(3) $x' \vee (y \wedge 0)$

(4) $(x \vee y) \wedge 0$

49. In Boolean algebra, if $a \wedge x = b \wedge x$ and $a \wedge x' = b \wedge x'$, then which of the following statements is correct ?

(1) $a > b$

(2) $a < b$

(3) $a = b^2$

(4) $a = b$

50. In Boolean algebra $[B, \wedge, \vee, ', 0, 1]$, the value of $x' \wedge (x \vee y)$ is

(1) $x \wedge y$

(2) $x' \wedge y$

(3) $x' \wedge y'$

(4) $x \wedge x'$

51. The value of $\sqrt{2 + \sqrt{2 + 2 \cos 4\theta}}$ is

- (1) $\cos \theta$
 - (2) $2 \cos \theta$
 - (3) $\cos 2\theta$
 - (4) $2 \sin \theta$
-

52. The value of $\tan^{-1}(1) + \tan^{-1}(2) + \tan^{-1}(3)$ is equal to

- (1) $\frac{\pi}{4}$
 - (2) $\frac{\pi}{2}$
 - (3) 0
 - (4) π
-

53. If $\cos B = \frac{\sin A}{2 \sin C}$, then the triangle is

- (1) equilateral
 - (2) isosceles
 - (3) right-angled
 - (4) scalene
-

54. The value of $\frac{1}{\sin 10^\circ} - \frac{\sqrt{3}}{\cos 10^\circ}$ is equal to

- (1) 4
 - (2) 3
 - (3) 2
 - (4) 1
-

55. If $\cot^{-1}(n) > \frac{\pi}{6}$, $n \in N$, then the maximum value of n is

- (1) 1
 - (2) 5
 - (3) 9
 - (4) 3
-

56. The probability that A passes a test is $\frac{2}{3}$ and the probability that B passes the same

test is $\frac{3}{5}$. The probability that only one passes is

- (1) $\frac{2}{5}$
 - (2) $\frac{4}{15}$
 - (3) $\frac{2}{15}$
 - (4) $\frac{7}{15}$
-

57. If $P(A) = \frac{1}{4}$, $P(B) = \frac{1}{3}$ and $P(A \cup B) = \frac{1}{2}$, then $P(A \cap B) =$

- (1) $\frac{1}{4}$
 - (2) $\frac{1}{3}$
 - (3) $\frac{1}{12}$
 - (4) $\frac{1}{2}$
-

58. Suppose that there is a chance for a newly constructed house to collapse whether the design is faulty or not. The chance that the design is faulty is 10%. The chance that the house will collapse if the design is faulty is 95% and otherwise it is 45%. It is seen that the house collapsed. What is the probability that the design is faulty?

- (1) 0.91
 - (2) 0.091
 - (3) 0.19
 - (4) 0.019
-

59. The probability that a person aged 60 years will live up to 70 is 0.65. What is the probability that out of 10 persons aged 60, at least 7 of them will live up to 70?

- (1) 0.3158
 - (2) 0.5318
 - (3) 0.5138
 - (4) 0.5831
-

60. Quartile coefficient of skewness is

- (1) $\frac{Q_3 + Q_2 - 2Q_1}{Q_3 - Q_1}$
- (2) $\frac{Q_3 + Q_1 - 2Q_2}{Q_3 - Q_1}$

(3) $\frac{Q_3+Q_2-2Q_1}{Q_1-Q_3}$

(4) $\frac{Q_3+Q_1-2Q_2}{Q_2-Q_1}$

61. A set of processes and procedures that transform data into information and knowledge is known as

- (1) Information system
 - (2) Database system
 - (3) Knowledge system
 - (4) Computer system
-

62. The default character coding in HTML-5 is

- (1) UTF-4
 - (2) UTF-8
 - (3) UTF-16
 - (4) UTF-32
-

63. The fastest memory in a computer system is

- (1) ROM
 - (2) RAM
 - (3) Cache memory
 - (4) Pen drive
-

64. Pick the correct sequence which is in the decreasing order of storage capacity.

- (1) Primary Memory, Magnetic Disk, CPU Registers, Cache (2) CPU Registers, Cache, Primary Memory, Magnetic Disk (3) Magnetic Disk, Primary Memory, Cache, CPU Registers (4) CPU Registers, Primary Memory, Cache, Magnetic Disk
-

65. Given the following information with respect to Third and Fourth generation languages:

- **S1:** Both are non portable.
- **S2:** Third generation languages are mostly compiled languages.

- **S3:** Fourth generation languages are in line with minimum work and skill concept.
- **S4:** Third generation languages are user-friendly and have intelligent default options.

Which of the following is correct?

- (1) S1 and S4 only
- (2) S2 and S3 only
- (3) S1 and S3 only
- (4) S2 and S4 only

66. Given the following Lists:

<i>List-I</i>	<i>List-II</i>
a. Pointing device	i. Chrome
b. Output device	ii. Cache
c. Browser	iii. Printer
d. Memory	iv. Mouse

Identify the correct match.

- (1) a-iv; b-iii; c-ii; d-i
- (2) a-iv; b-ii; c-iii; d-i
- (3) a-iv; b-iii; c-i; d-ii
- (4) a-iv; b-i; c-ii; d-iii

67. Given the following information with respect to a high level programming language:

- a. Easier to use.
- b. Uses English-like words and familiar mathematical symbols.
- c. Computer cannot understand high level language programs.

Which of the following is correct?

- (1) a, b and c are correct
- (2) a and c are correct but b is not correct
- (3) a and b are correct but c is not correct
- (4) Only c is correct

68. Conversion of decimal number 100 to Octal and Hexadecimal is _____ and _____

- (1) $123_{(8)}$, $AB_{(16)}$
- (2) $64_{(8)}$, $144_{(16)}$
- (3) $144_{(8)}$, $64_{(16)}$

(4) $74_{(8)}, A1_{(16)}$

69. The storage of 1024 KB in binary means _____ number of bytes.

- (1) 1 Kilobyte
 - (2) 1 Gigabyte
 - (3) 1 Terabyte
 - (4) 1 Megabyte
-

70. Given the following Lists:

List-I	List-II
a. $10101_{(2)}$	i. $6655_{(8)}$
b. $DAD_{(16)}$	ii. $101_{(16)}$
c. One's (complement) of $1101_{(2)}$	iii. $21_{(10)}$
d. $401_{(8)}$	iv. $0010_{(2)}$

Identify the correct match.

- (1) a-ii; b-i; c-iii; d-iv
 - (2) a-i; b-ii; c-iv; d-iii
 - (3) a-iii; b-i; c-iv; d-ii
 - (4) a-iv; b-i; c-ii; d-iii
-

71. Given the following Lists:

List-I	List-II
a. BCD code	i. Code used for encoding characters in IBM mainframe systems
b. EBCDIC	ii. Codes widely used for character encoding standard for electronic communication
c. ASCII	iii. Universal character encoding standard that can represent virtually all written languages
d. Uni-code	iv. Code used to represent decimal digits in binary form

Identify the correct match.

(1) a-iii; b-iv; c-i; d-ii (2) a-iv; b-i; c-ii; d-iii (3) a-iv; b-iii; c-ii; d-i (4) a-i; b-ii; c-iii; d-iv

72. A floating-point number is said to be normalized, if the MSB (Most Significant Bit) of the mantissa is

- (1) -1
 - (2) 0
 - (3) 1
 - (4) 2
-

73. The product of 0110_2 and 0110_2 is

- (1) 011100
 - (2) 110110
 - (3) 100100
 - (4) 011011
-

74. In floating-point representation, the part that represents a signed and fixed-point number, and the position of the decimal point are called and

(1) Mantissa, Exponent (2) Exponent, Mantissa (3) Float, Exponent (4) Mantissa, Float

75. Division of $111000_{(2)}$ by $100_{(2)}$ in binary is

- (1) $111_{(2)}$
 - (2) $1110_{(2)}$
 - (3) $1100_{(2)}$
 - (4) $1001_{(2)}$
-

76. Given the following Lists:

Identify the correct match.

- (1) a-iii; b-ii; c-iv; d-i
- (2) a-iii; b-iv; c-ii; d-i
- (3) a-i; b-ii; c-iv; d-iii
- (4) a-iv; b-ii; c-i; d-iii

List-I (Binary Representation)	List-II (Decimal Representation)
a. 00100001	iii. 33
b. 11100011	ii. 227
c. 11111111	iv. 255
d. 10000000	i. 128

77. The process of starting a computer system is called

- (1) Booting
- (2) Padding
- (3) Deeping
- (4) Morphing

78. To access the services of the Operating System, the interface is provided by

- (1) Library
- (2) Assembly Instructions
- (3) System Calls
- (4) API

79. Given the following information about Open-Source Operating Systems:

- a. Free to use and distribute
- b. Easy to customize
- c. Availability of technical support

Which of the following is correct ?

- (1) a, b and c (2) a and b only (3) b and c only (4) a only

80. Given the following statements about an Operating System:

- **S1:** Operating System is a resource manager.
- **S2:** Operating System acts as an interface between user and the computer.

- **S3:** The primary function of the Operating System is application development.

Which of the following holds good?

- (1) S1, S2 and S3 are correct
 - (2) Only S1 is correct
 - (3) Only S2 is correct
 - (4) S1 and S2 are correct and S3 is incorrect
-

81. What does a Gantt chart primarily display ?

- (1) Financial performance
 - (2) Project schedule
 - (3) Market share analysis
 - (4) Employee productivity
-

82. Which of the following are Porter's Five Forces ?

- a. Threat of new entrants
- b. Power of suppliers
- c. Competition among competitors
- d. Bargaining power of buyers

Select the correct answer using the codes given below.

- (1) a and b only
 - (2) a and c only
 - (3) b and d only
 - (4) a, b, c and d
-

83. Match the following:

Options:

- (1) a-i; b-ii; c-iii; d-iv (2) a-ii; b-i; c-iii; d-iv (3) a-iv; b-iii; c-ii; d-i (4) a-i; b-iv; c-iii; d-ii
-

84. Which of the following are considered primary functions of a Central bank ?

- a. Regulating the money supply

List-I (Year)	List-II (Events in India)
a. 1971	ii. Signing of Indo-Soviet Treaty of Peace, Friendship and Cooperation
b. 1974	i. Conducted first Nuclear Test
c. 1975	iii. Declaration of Emergency
d. 1984	iv. Assassination of Smt. Indira Gandhi

- b. Supervising commercial banks
- c. Setting interest rates
- d. Managing government revenue collection

State the correct answer using the codes given below.

(1) a and b only (2) a and c only (3) a, b and c only (4) All of the above

85. Which of the following is not a stage in Tuckman's Model of group development ?

- (1) Forming
 - (2) Storming
 - (3) Performing
 - (4) Stabilizing
-

86. What does the term "intermodal transportation" refer to ?

- (1) Using multiple types of transportation for a shipment
 - (2) Exclusive use of railways for cargo
 - (3) Road transportation only
 - (4) Air transportation combined with sea transportation
-

87. Which of the following services are commonly provided by business incubators ?

- a. Networking opportunities
- b. Long-term financial investment
- c. Legal and regulatory assistance

- d. Research and Development funding

Select the correct answer using the codes given below.

(1) a and b only (2) c only (3) c and d only (4) a, c and d only

88. Who is known for the 'Theory of General Relativity' ?

- (1) Isaac Newton
 - (2) Albert Einstein
 - (3) Galileo Galilei
 - (4) Niels Bohr
-

89. Which type of analysis focuses on evaluating a company's financial statements ?

- (1) Technical Analysis
 - (2) Fundamental Analysis
 - (3) Sentiment Analysis
 - (4) Quantitative Analysis
-

90. Which of the following statements are true about cultural assimilation ?

- a. Cultural assimilation is the process by which a minority group adopts the customs and attitudes of the prevailing culture.
- b. Cultural assimilation always leads to the complete loss of the minority group's original culture.
- c. Cultural assimilation can result in the blending of cultures, creating a new, diverse society.

Select the correct answer using the codes given below.

(1) a and b only (2) b and c only (3) a and c only (4) a, b and c

91. What is "Invisible hand" in economics ?

- (1) The self-regulating nature of the market force
- (2) Government intervention in the market
- (3) The influence of monopolies

(4) Centralized economic planning

92. What does "bootstrap" mean in entrepreneurship ?

- a. It refers to starting a business without external investment and relying on personal finances or operating revenues.
- b. It means acquiring large amounts of venture capital for quick business growth.

Which of the above is/are correct ?

(1) a only (2) b only (3) Both a and b (4) Neither a nor b

93. Which communication barrier involves misunderstandings due to different backgrounds or experiences?

- (1) Physical barrier
 - (2) Semantic barrier
 - (3) Psychological barrier
 - (4) Cultural barrier
-

94. Which global health initiative aims to reduce child mortality and improve maternal health ?

- (1) Millennium Development Goals (MDGs)
 - (2) Sustainable Development Goals (SDGs)
 - (3) Health For All by the year 2000
 - (4) Global Health Security Agenda
-

95. How many of the following are types of financial markets ?

- a. Stock market
- b. Bond market
- c. Real estate market
- d. Consumer market

Select the correct answer using the codes given below.

- (1) One
 - (2) Two
 - (3) Three
 - (4) Four
-