

Karnataka PGCET MBA 2026: Mock Test 1

Instructions: This comprehensive mock test contains 111 uniquely curated questions mapped precisely to the 2025-26 KEA Syllabus, with a dedicated focus on Visual Reasoning and Data Interpretation. Each question carries one mark. There is no negative marking.

SECTION 1: COMPUTER AWARENESS

(Syllabus coverage: Computer Basics, Data Representation, Binary Arithmetic, Operating Systems, Web & Database Applications)

1. The speed of a modern Central Processing Unit (CPU) is typically measured in:

(1) Megabytes (MB) | (2) Gigahertz (GHz) | (3) Kilobits per second (Kbps) | (4) Dots per inch (DPI)

2. Which of the following is NOT a valid hexadecimal number?

(1) 1A2B | (2) 4F5E | (3) 8G9H | (4) CDEF

3. What is the 1's complement of the binary number 110011?

(1) 001100 | (2) 001101 | (3) 110010 | (4) 000000

4. In an Operating System, "Paging" is a technique used for:

(1) File management | (2) Memory management | (3) Network security | (4) Virus scanning

5. In Database Management Systems (DBMS), DDL stands for:

(1) Data Description Logic | (2) Data Definition Language | (3) Dynamic Data Locator | (4) Database Design Language

6. Which of the following best describes "Cloud Computing"?

(1) Offline storage of data on a hard drive | (2) Delivery of computing services over the internet | (3) A type of computer virus | (4) A localized desktop network

7. The 2's complement of the binary number 1010 is:

(1) 0101 | (2) 0110 | (3) 1110 | (4) 0100

8. Which generation of computers utilized Artificial Intelligence and Ultra Large Scale Integration (ULSI)?

(1) Second | (2) Third | (3) Fourth | (4) Fifth

9. In a relational database, what is a "Tuple"?

(1) A table | (2) A column | (3) A row/record | (4) A primary key

10. Addition of binary numbers 1110 and 0011 results in:

(1) 10001 | (2) 11111 | (3) 10110 | (4) 10101

11. Which network topology involves every node connecting to every other node?

(1) Star | (2) Ring | (3) Bus | (4) Mesh

12. IPv4 addresses are typically represented using how many bits?

(1) 16 bits | (2) 32 bits | (3) 64 bits | (4) 128 bits

13. Half a byte is known as a:

(1) Bit | (2) Nibble | (3) Word | (4) Record

14. What is the decimal equivalent of the hexadecimal number 'C'?

(1) 10 | (2) 11 | (3) 12 | (4) 13

15. In normalized floating-point representation, an exponent of zero typically indicates:

(1) The number is negative | (2) The base multiplier is 1 | (3) A fractional error | (4) Overflow

16. Which of the following is a primary function of an Operating System's Kernel?

(1) Rendering graphical user interfaces | (2) Managing hardware and system resources | (3) Browsing the internet | (4) Compiling source code

17. What protocol is predominantly used to retrieve emails from a server?

(1) HTTP | (2) FTP | (3) POP3 | (4) SMTP

18. Division of the binary number 1111 by 11 yields:

(1) 101 | (2) 110 | (3) 100 | (4) 011

19. Which device acts as a gateway between two different network architectures?

(1) Switch | (2) Hub | (3) Router | (4) Repeater

20. A program that executes high-level language line-by-line is called an:

(1) Interpreter | (2) Compiler | (3) Assembler | (4) Linker

21. In an ER diagram, a "Relationship" between entities is represented by a:

[Visual Description: Option 1: Oval | Option 2: Diamond | Option 3: Rectangle | Option 4: Cylinder]

(1) Oval | (2) Diamond | (3) Rectangle | (4) Cylinder

22. "Linux" is an example of what type of software?

(1) Proprietary Application | (2) Open-Source Operating System | (3) Firmware | (4) Database Manager

SECTION 2: ANALYTICAL ABILITY AND LOGICAL REASONING

(Syllabus coverage: Logical Reasoning, Puzzles, Diagrams, Analogy, verbal ability, and related aspects)

23. [Dice Logic] Two positions of a dice are shown below. When number '6' is on the top, what number will be at the bottom?

[Visual Description: Dice 1 shows faces 1, 3, 5. Dice 2 shows faces 1, 4, 6.]

(1) 3 | (2) 5 | (3) 4 | (4) 1

24. [Venn Diagram] In the diagram below, the 'Circle' represents 'Engineers', the 'Triangle' represents 'Musicians', and the 'Rectangle' represents 'Teachers'. Which letter represents Engineers who are Teachers but NOT Musicians?

[Visual Description: Three intersecting shapes. Region 'X' is the intersection of the Circle and Rectangle only, strictly outside the Triangle.]

(1) W | (2) X | (3) Y | (4) Z

25. [Water Image] Choose the correct water image of the word 'BRIDGE'.

[Visual Description: Option 2 shows the word upside down, with the shapes inverted vertically.]

(1) EBDIRG | (2) B□IDGЭ (inverted vertically) | (3) BRIDCE | (4) Э□IR□

26. [Embedded Figures] Identify the option figure that is hidden/embedded in the complex 'Y' figure.

[Visual Description: Figure Y is a star inside a hexagon. Option 3 is an isosceles triangle with a line bisecting the apex, found in the top point of the star.]

(1) Option A | (2) Option B | (3) Option C | (4) Option D

27. [Non-Verbal Series] Select a figure which would continue the sequence:

[Visual Description: A circle with a dot. Step 1: Dot at 12 o'clock. Step 2: Dot at 3 o'clock. Step 3: Dot at 6 o'clock. Step 4: ?]

(1) Dot at center | (2) Dot at 12 o'clock | (3) Dot at 9 o'clock | (4) Dot at 6 o'clock

28. Find the missing term in the series: 5, 11, 23, 47, 95, ____

(1) 189 | (2) 191 | (3) 195 | (4) 199

29. If '\$' means 'add', '#' means 'divide', '@' means 'subtract', and '%' means 'multiply',

what is the value of: $40 \# 8 \% 3 \$ 10 @ 5?$

(1) 18 | (2) 20 | (3) 25 | (4) 30

30. Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?

(1) Aunt | (2) Sister | (3) Mother | (4) Grandmother

31. In a certain code, 'FORMAT' is written as 'GPSNBU'. How is 'DESIGN' written in that code?

(1) EFTHHO | (2) EFTJHO | (3) EFSJHO | (4) EFSJGM

32. A boy walks 15 meters South, turns left and walks 20 meters, then turns left again and walks 15 meters. How far and in which direction is he from the starting point?

(1) 20 meters East | (2) 20 meters West | (3) 15 meters North | (4) 15 meters South

33. Analogy: Botany is to Plants as Entomology is to _____.

(1) Birds | (2) Insects | (3) Fossils | (4) Diseases

34. Six people A, B, C, D, E, and F sit in a straight line facing North. D is third to the right of C. B is to the immediate left of D. A is at the extreme left. Who sits to the immediate right of B?

(1) C | (2) D | (3) E | (4) F

35. Find the odd one out:

(1) Mercury | (2) Venus | (3) Moon | (4) Mars

36. Statement: All managers are leaders. Some leaders are visionaries. Conclusion: I. Some managers are visionaries. II. All visionaries are leaders.

(1) Only I follows | (2) Only II follows | (3) Both I and II follow | (4) Neither I nor II follows

37. If 15th August 2023 is a Tuesday, what day of the week will 15th August 2024 be?

(1) Wednesday | (2) Thursday | (3) Friday | (4) Saturday

38. At 6:30, what is the angle between the minute hand and the hour hand of a clock?

(1) 0 degrees | (2) 15 degrees | (3) 30 degrees | (4) 45 degrees

39. [Paper Cutting] A square sheet of paper is folded diagonally twice to form a small triangle. A small circle is cut at the center of the triangle. How will it appear when unfolded?

[Visual Description: Option 2 shows a square with four circles arranged in a diamond pattern around the center.]

(1) One circle | (2) Four circles | (3) Two circles | (4) Eight circles

40. If PEN is coded as 35 and BOOK is coded as 43, how is COPY coded?

(1) 50 | (2) 59 | (3) 62 | (4) 65

41. In a row of 60 cars, the red car is 25th from the left. What is its position from the right?

(1) 34th | (2) 35th | (3) 36th | (4) 37th

42. M is the brother of N. O is the father of M. P is the brother of Q, and Q is the daughter of N. How is P related to M?

(1) Son | (2) Nephew | (3) Uncle | (4) Cousin

43. Which word CANNOT be formed using the letters of the word 'COMMUNICATION'?

(1) ACTION | (2) UNION | (3) MUSIC | (4) NATION

44. Complete the analogous pair: 7 : 343 :: 9 : ?

(1) 512 | (2) 729 | (3) 81 | (4) 1000

SECTION 3: QUANTITATIVE ANALYSIS

(Syllabus coverage: Arithmetic, data analysis and interpretation, statistical analysis)

Directions for Q45-Q47: [Pie Chart Interpretation]

The pie chart below represents the market share of 5 smartphone brands in 2025. Total smartphones sold = 500,000.

[Visual Description: Brand A: 30%, Brand B: 25%, Brand C: 20%, Brand D: 15%, Brand E: 10%]

45. How many smartphones did Brand C sell?

(1) 100,000 | (2) 150,000 | (3) 120,000 | (4) 80,000

46. What is the difference in sales between Brand A and Brand E?

(1) 50,000 | (2) 100,000 | (3) 150,000 | (4) 200,000

47. What is the central angle for the sector representing Brand B?

(1) 72° | (2) 80° | (3) 90° | (4) 108°

Directions for Q48-Q50: [Bar Graph Analysis]

The bar graph shows the exports of three products (P1, P2, P3) in million dollars over three years.

[Visual Description:

2022 -> P1: 100, P2: 120, P3: 90

2023 -> P1: 110, P2: 130, P3: 100

2024 -> P1: 140, P2: 150, P3: 120]

48. What is the average export of Product P2 across the three years?

(1) 125 million | (2) 130 million | (3) 133.3 million | (4) 140 million

49. What is the percentage increase in the export of P1 from 2022 to 2024?

(1) 30% | (2) 40% | (3) 50% | (4) 60%

50. In 2024, the export of P3 is what percentage of the export of P2?

(1) 80% | (2) 85% | (3) 75% | (4) 90%

Directions for Q51-Q53: [Table Analysis]

The table details the number of candidates who applied and passed a certification exam from 4 cities.

[Visual Description:

City 1: Applied 1200, Passed 300

City 2: Applied 1500, Passed 450

City 3: Applied 800, Passed 240

City 4: Applied 1000, Passed 400]

51. Which city has the highest passing percentage?

(1) City 1 | (2) City 2 | (3) City 3 | (4) City 4

52. What is the overall passing percentage across all four cities combined?

(1) 30.8% | (2) 32.5% | (3) 35.0% | (4) 38.2%

53. The number of students who failed in City 2 is:

(1) 1000 | (2) 1050 | (3) 1100 | (4) 1150

54. A sum of ₹10,000 becomes ₹12,100 in 2 years at compound interest, compounded annually. The rate of interest is:

(1) 8% | (2) 10% | (3) 12% | (4) 15%

55. If the price of petrol increases by 25%, by what percent must a driver decrease consumption so the expenditure remains unchanged?

(1) 15% | (2) 20% | (3) 25% | (4) 30%

56. A train 200 meters long passes a pole in 10 seconds. What is the speed of the train in km/hr?

(1) 54 km/hr | (2) 60 km/hr | (3) 72 km/hr | (4) 80 km/hr

57. 10 men can complete a job in 14 days. How many days will 7 men take to complete the same job?

(1) 18 days | (2) 20 days | (3) 21 days | (4) 24 days

58. A vendor buys bananas at 6 for ₹10 and sells them at 4 for ₹10. Find his profit percentage.

(1) 25% | (2) 33.3% | (3) 40% | (4) 50%

59. In a 60-liter mixture, the ratio of milk to water is 3:2. How much milk must be added to make the ratio 2:1?

(1) 6 liters | (2) 10 liters | (3) 12 liters | (4) 15 liters

60. Pipe A fills a tank in 4 hours, and Pipe B empties it in 6 hours. If both are opened, the tank will be filled in:

(1) 10 hours | (2) 12 hours | (3) 14 hours | (4) 24 hours

61. A bag contains 4 white, 5 red, and 6 blue balls. If one ball is drawn, what is the probability it is red or white?

(1) $\frac{2}{5}$ | (2) $\frac{3}{5}$ | (3) $\frac{4}{5}$ | (4) $\frac{1}{3}$

62. Find the median of the following set of numbers: 12, 15, 11, 20, 18, 14, 19.

(1) 14 | (2) 15 | (3) 18 | (4) 19

63. Simplify: 45% of 600 - 20% of 400 = ?

(1) 150 | (2) 170 | (3) 190 | (4) 210

64. A boat takes 4 hours to travel 24 km upstream and 3 hours to travel 36 km downstream. Find the speed of the current.

(1) 2 km/hr | (2) 3 km/hr | (3) 4 km/hr | (4) 6 km/hr

65. Out of 120 applicants, 70 know Java, 60 know Python, and 20 know both. How many know neither Java nor Python?

(1) 10 | (2) 15 | (3) 20 | (4) 30

66. Find the area of a square whose diagonal is 10 cm.

(1) 20 sq.cm | (2) 50 sq.cm | (3) 100 sq.cm | (4) 141 sq.cm

SECTION 4: ENGLISH LANGUAGE

(Syllabus coverage: Basic English grammar, synonyms, antonyms, sentence correction, one-word substitution, idioms and phrases, famous books in English Literature)

67. Choose the exact synonym for 'ENIGMA'.

(1) Solution | (2) Puzzle | (3) Clarity | (4) Routine

68. Choose the exact antonym for 'ARROGANT'.

(1) Humble | (2) Proud | (3) Superior | (4) Loud

69. What is the meaning of the idiom "A blessing in disguise"?

(1) An obvious stroke of luck | (2) A prayer offered in secret | (3) A good thing that seemed bad at first | (4) A curse placed on an enemy

70. One-word substitution: The study of the origin and history of words.

(1) Philology | (2) Etymology | (3) Entomology | (4) Epistemology

71. Choose the grammatically correct sentence.

(1) One of my friend is going to Paris. | (2) One of my friends are going to Paris. | (3) One of my friends is going to Paris. | (4) One of my friend are going to Paris.

72. Complete the sentence: I am looking forward _____ you.

(1) to meet | (2) to meeting | (3) meeting | (4) for meeting

73. Identify the error in the sentence: "If I was a bird (A) / I would fly (B) / across the ocean (C) / No Error (D)."

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

74. Choose the correct passive voice: "The mechanic has repaired the car."

(1) The car is repaired by the mechanic. | (2) The car was repaired by the mechanic. | (3) The car has been repaired by the mechanic. | (4) The car is being repaired by the mechanic.

75. Choose the correctly spelled word.

(1) Embarass | (2) Embarrass | (3) Embaress | (4) Embaras

76. Which famous book was written by Leo Tolstoy?

(1) Crime and Punishment | (2) War and Peace | (3) Les Misérables | (4) The Brothers Karamazov

77. Analogy: WINE : GRAPES :: VODKA : _____

(1) Apples | (2) Potatoes | (3) Barley | (4) Oranges

78. Fill in the blank: Barely had he reached the station _____ the train left.

(1) than | (2) when | (3) then | (4) before

79. Choose the correct prefix to make the word 'REVERSIBLE' opposite in meaning.

(1) Un- | (2) Dis- | (3) Ir- | (4) In-

80. "To read between the lines" means:

(1) To read rapidly | (2) To find the hidden meaning | (3) To miss out words | (4) To translate text

81. Replace the underlined phrase: She is the girl *who's* notebook I borrowed.

(1) whose | (2) whom | (3) of which | (4) No improvement

82. Who wrote 'Gitanjali', which won the Nobel Prize in Literature?

(1) R.K. Narayan | (2) Rabindranath Tagore | (3) Mulk Raj Anand | (4) Vikram Seth

83. Rearrange the parts to form a sentence:

P: of global warming

Q: the severe consequences

R: scientists have warned us

S: for decades

(1) R S Q P | (2) Q P R S | (3) P Q S R | (4) S R Q P

84. What is the antonym of 'BARREN'?

(1) Desert | (2) Fertile | (3) Empty | (4) Hard

85. Fill in the blank: He is superior _____ me in mathematics.

(1) than | (2) from | (3) to | (4) by

86. Choose the correctly punctuated sentence:

(1) "Come here," she said. | (2) "Come here" she said. | (3) "Come here", she said. | (4) "Come here." she said.

87. "Cut corners" means:

(1) To do something well | (2) To do something poorly to save time or money | (3) To navigate a difficult road | (4) To chop wood

88. The author of the famous play 'Julius Caesar' is:

(1) Christopher Marlowe | (2) John Milton | (3) William Shakespeare | (4) Ben Jonson

SECTION 5: GENERAL KNOWLEDGE

(Syllabus coverage: Indian Business Environment, Global Environment, Current Affairs, Science and Technology, Entrepreneur and Entrepreneurship, Business Communication)

89. In the Indian Business Environment, what does "FII" stand for?

(1) Foreign Indian Investment | (2) Federal Institute of India | (3) Foreign Institutional Investor | (4) Financial Index Indicator

90. The term 'Bootstrapping' in entrepreneurship implies:

(1) Launching a company with external venture capital | (2) Building a startup using personal savings and early revenues | (3) Merging with a larger corporation | (4) Declaring bankruptcy

91. Which Indian company recently became a pioneer in launching the 'Bharat 6G Alliance' initiatives?

(1) Infosys | (2) Tata Consultancy Services | (3) Reliance Jio | (4) Wipro

92. Who is known as the "Iron Man of India"?

(1) Subhas Chandra Bose | (2) Sardar Vallabhbhai Patel | (3) Bhagat Singh | (4) B.R. Ambedkar

93. Which layer of the atmosphere contains the ozone layer that protects Earth from UV radiation?

(1) Troposphere | (2) Stratosphere | (3) Mesosphere | (4) Thermosphere

94. In economics, a 'Bear Market' implies that:

(1) Stock prices are rising | (2) Stock prices are falling | (3) The market is stable | (4) Inflation is zero

95. In Business Communication, the "7 Cs" include Clarity, Conciseness, Consideration, Concreteness, Courtesy, Correctness, and:

(1) Calculation | (2) Completeness | (3) Charisma | (4) Collaboration

96. Who authored the famous management book "Principles of Scientific Management"?

(1) Henri Fayol | (2) Peter Drucker | (3) Frederick Winslow Taylor | (4) Elton Mayo

97. The digital initiative "ONDC" launched by the Government of India stands for:

(1) Open Network for Digital Commerce | (2) Online National Digital Center | (3) Open Node for

Data Computing | (4) Organized Network of Direct Consumers

98. The headquarters of the International Monetary Fund (IMF) is located in:

(1) Geneva | (2) New York | (3) Washington, D.C. | (4) Paris

99. A "B2B" business model involves transactions between:

(1) Business and Consumer | (2) Business and Government | (3) Two distinct Businesses | (4) Consumer to Consumer

100. Which organ of the United Nations is responsible for maintaining international peace and security?

(1) General Assembly | (2) International Court of Justice | (3) Security Council | (4) Secretariat

101. Which tax replaced multiple indirect taxes like Excise Duty, VAT, and Service Tax in India?

(1) Corporate Tax | (2) Wealth Tax | (3) Goods and Services Tax (GST) | (4) Capital Gains Tax

102. The financial year in India begins on:

(1) January 1 | (2) April 1 | (3) July 1 | (4) October 1

103. Which Asian country is known as the "Land of the Rising Sun"?

(1) China | (2) South Korea | (3) Japan | (4) Thailand

104. In corporate governance, what does 'CSR' stand for?

(1) Company Safety Regulations | (2) Corporate Social Responsibility | (3) Customer Satisfaction Rating | (4) Corporate Sales Revenue

105. The chemical symbol 'Ag' represents which element?

(1) Gold | (2) Silver | (3) Aluminum | (4) Argon

106. In India, "Green Revolution" is primarily associated with an increase in the production of:

(1) Milk | (2) Fish | (3) Wheat and Rice | (4) Oilseeds

107. Which organization calculates and publishes the Gross Domestic Product (GDP) data in India?

(1) Reserve Bank of India (RBI) | (2) National Statistical Office (NSO) | (3) NITI Aayog | (4) Ministry of Finance

108. An entrepreneur who starts a business primarily to solve a social problem rather than just make profits is called a:

(1) Venture Capitalist | (2) Social Entrepreneur | (3) Corporate Intrapreneur | (4) Angel Investor

109. The longest river in the world is the:

(1) Amazon | (2) Nile | (3) Yangtze | (4) Mississippi

110. Which of the following is considered a "Psychological Barrier" in communication?

(1) Poor internet connection | (2) Use of complex jargon | (3) Prejudice and preconceived notions | (4) Distance between sender and receiver

111. "SWOT Analysis" evaluates a company's Strengths, Weaknesses, Opportunities, and:

(1) Tactics | (2) Threats | (3) Timelines | (4) Targets

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