

Karnataka PGCET MBA 2026: Mock Test 2

Instructions: This comprehensive mock test contains 111 uniquely curated questions mapped precisely to the 2025-26 KEA Syllabus, with a special emphasis on Diagrammatic 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. In a standard flowchart, which geometric shape is used to represent a "Processing" or "Action" step?

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

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

2. Which of the following memory types is strictly Read-Only and non-volatile?

(1) SRAM | (2) DRAM | (3) ROM | (4) Cache

3. What is the 1's complement of the binary number 101100?

(1) 010011 | (2) 010101 | (3) 110011 | (4) 010010

4. Which Operating System is primarily used for Apple Macintosh computers?

(1) Windows | (2) Linux | (3) macOS | (4) Android

5. In Database Management Systems (DBMS), what does a "Foreign Key" do?

(1) Encrypts data | (2) Links two tables together | (3) Deletes duplicate records | (4) Sorts data alphabetically

6. Which of the following is an example of a Web Application?

(1) Microsoft Excel (Desktop) | (2) BIOS | (3) Google Workspace | (4) Device Drivers

7. The 2's complement of the binary number 0110 is:

(1) 1001 | (2) 1010 | (3) 1100 | (4) 1011

8. Which generation of computers introduced Integrated Circuits (ICs)?

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

9. In a relational database, a "column" is also known as a:

(1) Record | (2) Field | (3) Row | (4) Table

10. Addition of binary numbers 1001 and 0011 results in:

(1) 1100 | (2) 1010 | (3) 1110 | (4) 1011

11. Which network topology connects all devices to a single central cable?

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

12. ASCII stands for:

(1) American Standard Code for Information Interchange | (2) Asian Standard Code for Information Interchange | (3) Advanced Standard Code for Information Interchange | (4) American Systematic Code for Information Interchange

13. A Byte consists of how many bits?

(1) 4 | (2) 8 | (3) 16 | (4) 32

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

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

15. In normalized floating-point representation, the part that holds the significant digits is called the:

(1) Exponent | (2) Mantissa | (3) Base | (4) Radix

16. The core of an Operating System that manages memory and CPU time is called the:

(1) Shell | (2) GUI | (3) Kernel | (4) Command Prompt

17. What protocol is used to securely transfer web pages across the internet?

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

18. Division of the binary number 1010 by 10 yields:

(1) 100 | (2) 101 | (3) 110 | (4) 111

19. Which device is used to connect multiple networks and route data between them?

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

20. A program that translates Assembly Language into Machine Language is called an:

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

21. In an ER diagram for a Database, an "Attribute" is represented by an:

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

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

22. Which of the following is NOT a function of an Operating System?

(1) Memory Management | (2) Process Management | (3) Web Browsing | (4) File Management

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 '4' is on the top, what number will be at the bottom?

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

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

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

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

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

25. [Mirror Image] Choose the correct mirror image of the word 'LOGIC' when the mirror is placed vertically to the right.

(1) CIGOL | (2) OIGOL | (3) JODIC | (4) OIGOL

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

[Visual Description: Figure Z is a square with an internal 'X' and a horizontal line through the middle. Option 2 is a simple triangle with a flat bottom found in the top quadrant.]

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

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

[Visual Description: A square containing a single arrow. Step 1: Arrow points North. Step 2: Arrow points North-East. Step 3: Arrow points East. Step 4: ?]

(1) Points South | (2) Points South-East | (3) Points North-West | (4) Points South-West

28. Find the missing term in the series: 2, 6, 12, 20, 30, ____

(1) 40 | (2) 42 | (3) 44 | (4) 48

29. If '+' means 'multiply', '-' means 'divide', 'x' means 'subtract', and '/' means 'add', what

is the value of: $8 + 4 - 2 / 6 \times 3$?

(1) 19 | (2) 21 | (3) 15 | (4) 17

30. Pointing to a lady, a man said, "The son of her only brother is the brother of my wife." How is the lady related to the man's wife?

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

31. In a certain code, 'TABLE' is written as 'UBCMF'. How is 'CHAIR' written in that code?

(1) DIBJS | (2) DIBSJ | (3) CGBHQ | (4) DIBKS

32. A girl walks 10 km North, turns right and walks 5 km, turns right and walks 10 km. How far is she from her starting point and in which direction?

(1) 5 km East | (2) 5 km West | (3) 10 km East | (4) 10 km South

33. Analogy: Surgeon is to Scalpel as Author is to _____.

(1) Book | (2) Pen | (3) Paper | (4) Publisher

34. Five people A, B, C, D, and E are sitting in a row facing North. C is between A and E. D is to the immediate right of E. B is at the extreme left. Who is sitting in the middle?

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

35. Find the odd one out:

(1) Square | (2) Rectangle | (3) Triangle | (4) Cube

36. Statement: All birds can fly. Penguin is a bird. Conclusion: Penguin can fly.

(1) True | (2) False | (3) Probably True | (4) Cannot be determined

37. If 1st January 2024 was a Monday, what day of the week was 1st January 2025?

(1) Monday | (2) Tuesday | (3) Wednesday | (4) Thursday

38. At 3:15, what is the angle between the minute hand and the hour hand of a clock?

(1) 0 degrees | (2) 7.5 degrees | (3) 15 degrees | (4) 22.5 degrees

39. [Paper Folding] A circular sheet of paper is folded in half, then in half again, and a single square hole is punched in the center. How will it appear when unfolded?

[Visual Description: Option 3 shows a circle with four square holes arranged symmetrically around the center.]

(1) One hole | (2) Two holes | (3) Four holes | (4) Eight holes

40. If CAT is coded as 24 and DOG is coded as 26, how is FOX coded?

(1) 45 | (2) 36 | (3) 42 | (4) 38

41. In a queue of 50 people, Amit is 20th from the front. What is his position from the back?

(1) 30th | (2) 31st | (3) 29th | (4) 32nd

42. P is the father of Q. R is the son of S. T is the brother of P. Q is the sister of R. How is S related to T?

(1) Sister-in-law | (2) Brother-in-law | (3) Daughter | (4) Aunt

43. Which word cannot be formed using the letters of the word 'ADMINISTRATION'?

(1) STATION | (2) RATION | (3) MINISTER | (4) TRAIN

44. Complete the analogous pair: 8 : 64 :: 12 : ?

(1) 124 | (2) 144 | (3) 164 | (4) 184

SECTION 3: QUANTITATIVE ANALYSIS

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

Directions for Q45-Q47: [Pie Chart Interpretation]

The pie chart below shows the percentage of students enrolled in various PG courses at a university. Total students = 2,000.

[Visual Description: MBA: 35%, MCA: 25%, M.Com: 20%, M.Sc: 15%, MA: 5%]

45. How many students are enrolled in the MBA program?

(1) 600 | (2) 700 | (3) 800 | (4) 750

46. What is the difference between the number of students in MCA and M.Com?

(1) 100 | (2) 150 | (3) 200 | (4) 250

47. What is the central angle for the sector representing M.Sc students?

(1) 36° | (2) 54° | (3) 72° | (4) 90°

Directions for Q48-Q50: [Table Analysis]

The table shows the production of cars (in thousands) by three companies (X, Y, Z) over three years.

[Visual Description:

2022 -> X: 40, Y: 50, Z: 60

2023 → X: 45, Y: 55, Z: 65

2024 → X: 50, Y: 60, Z: 75]

48. What is the total production of Company Z over the three years?

(1) 180,000 | (2) 190,000 | (3) 200,000 | (4) 210,000

49. What is the percentage increase in the production of Company X from 2022 to 2024?

(1) 20% | (2) 25% | (3) 30% | (4) 35%

50. In 2024, what is the ratio of cars produced by Company Y to Company Z?

(1) 4:5 | (2) 5:6 | (3) 6:7 | (4) 3:4

51. A sum becomes ₹6,000 in 2 years and ₹7,500 in 4 years at simple interest. Find the principal.

(1) ₹4,000 | (2) ₹4,500 | (3) ₹5,000 | (4) ₹3,500

52. If 15% of A = 20% of B, then A : B is:

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

53. A car travels at 54 km/hr. How many meters will it cover in 10 seconds?

(1) 100 m | (2) 120 m | (3) 150 m | (4) 180 m

54. A and B can do a piece of work in 12 days and 15 days respectively. They started the work together, but A left after 4 days. In how many days will B finish the remaining work?

(1) 4 days | (2) 5 days | (3) 6 days | (4) 8 days

55. By selling an article for ₹240, a man loses 20%. To gain 20%, he should sell it for:

(1) ₹300 | (2) ₹360 | (3) ₹400 | (4) ₹420

56. In a mixture of 40 liters, the ratio of alcohol to water is 3:1. How much water must be added to make the ratio 1:1?

(1) 10 liters | (2) 15 liters | (3) 20 liters | (4) 25 liters

57. Two pipes can fill a cistern in 10 hours and 15 hours. If both are opened, how long will it take to fill the cistern?

(1) 5 hours | (2) 6 hours | (3) 8 hours | (4) 12.5 hours

58. A bag contains 3 red, 4 blue, and 5 green marbles. If one marble is drawn at random, what is the probability it is NOT blue?

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

59. If the variance of a dataset is 81, what is the standard deviation?

(1) 9 | (2) 18 | (3) 81 | (4) 6561

60. Simplify: 15% of 400 + 25% of 200 = ?

(1) 90 | (2) 100 | (3) 110 | (4) 120

61. A boat goes 15 km upstream and 21 km downstream. The speed of the stream is 3 km/hr and the boat's speed in still water is 12 km/hr. Total time taken is:

(1) 2 hours | (2) 2.5 hours | (3) 3 hours | (4) 3.5 hours

62. In a group of 80 students, 45 like Math, 50 like Science, and 20 like both. How many like neither?

(1) 5 | (2) 10 | (3) 15 | (4) 20

63. Find the area of a rectangle whose length is 12 cm and diagonal is 15 cm.

(1) 108 sq.cm | (2) 120 sq.cm | (3) 144 sq.cm | (4) 180 sq.cm

64. The average age of a class of 30 students is 15 years. If the teacher's age is included, the average increases by 1. What is the teacher's age?

(1) 40 | (2) 42 | (3) 45 | (4) 46

SECTION 4: ENGLISH LANGUAGE

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

65. Choose the exact synonym for 'LUCID'.

(1) Confusing | (2) Clear | (3) Opaque | (4) Rigid

66. Choose the exact antonym for 'DILIGENT'.

(1) Hardworking | (2) Lazy | (3) Intelligent | (4) Careful

67. What is the meaning of the idiom "Spill the beans"?

(1) Drop food | (2) Reveal a secret | (3) Act clumsily | (4) Waste money

68. One-word substitution: A person who knows many languages.

(1) Linguist | (2) Polyglot | (3) Translator | (4) Phonetician

69. Choose the grammatically correct sentence.

(1) Neither of the boys are guilty. | (2) Neither of the boys is guilty. | (3) Neither of the boy is

guilty. | (4) Neither of the boys were guilty.

70. Complete the sentence: The book belongs _____ Mary.

(1) with | (2) for | (3) to | (4) by

71. Identify the error in the sentence: "She has been (A) / working here (B) / since three years (C) / No Error (D)."

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

72. Choose the correct passive voice: "They are building a house."

(1) A house is built by them. | (2) A house was being built by them. | (3) A house is being built by them. | (4) A house has been built by them.

73. Choose the correctly spelled word.

(1) Occasion | (2) Occassion | (3) Ocasion | (4) Occasssion

74. Which famous novel was written by Charles Dickens?

(1) Pride and Prejudice | (2) Great Expectations | (3) Jane Eyre | (4) Wuthering Heights

75. Analogy: FISH : AQUARIUM :: BIRDS : _____

(1) Forest | (2) Aviary | (3) Nest | (4) Cage

76. Fill in the blank: Each of the students _____ given a certificate.

(1) was | (2) were | (3) are | (4) have

77. Choose the correct prefix to make the word 'CREDIBLE' opposite in meaning.

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

78. "To hit the nail on the head" means:

(1) To be physically aggressive | (2) To describe exactly what is causing a situation | (3) To make a mistake | (4) To work hard

79. Replace the underlined phrase to improve the sentence: *If I was you, I would not do it.*

(1) If I am you | (2) If I were you | (3) If I had been you | (4) No improvement

80. Who is the author of the play 'Hamlet'?

(1) George Bernard Shaw | (2) Christopher Marlowe | (3) William Shakespeare | (4) John Milton

81. Rearrange the parts (P, Q, R, S) to form a meaningful sentence:

P: to the station

Q: we rushed

R: but missed the train

S: as fast as we could

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

82. What is the antonym of 'GENUINE'?

(1) Real | (2) Fake | (3) Authentic | (4) Sincere

83. Fill in the blank: She is afraid _____ dogs.

(1) from | (2) by | (3) of | (4) with

84. Choose the correctly punctuated sentence:

(1) Its a beautiful day. | (2) It's a beautiful day. | (3) Its' a beautiful day. | (4) It is a beautiful day!

85. "A piece of cake" means:

(1) Very difficult | (2) Very sweet | (3) Very easy | (4) A small portion

SECTION 5: GENERAL KNOWLEDGE

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

86. In startup terminology, what does "Bootstrapping" mean?

(1) Raising funds from Angel Investors | (2) Starting a business with personal funds without external help | (3) Filing for bankruptcy | (4) Pitching to Venture Capitalists

87. The Securities and Exchange Board of India (SEBI) is primarily responsible for regulating:

(1) Banking operations | (2) The stock market and securities | (3) Foreign trade | (4) Taxation policies

88. Who is the author of "Wings of Fire"?

(1) A.P.J. Abdul Kalam | (2) Mahatma Gandhi | (3) Jawaharlal Nehru | (4) Shashi Tharoor

89. Which gas is most abundant in the Earth's atmosphere?

(1) Oxygen | (2) Carbon Dioxide | (3) Nitrogen | (4) Hydrogen

90. A market structure where a single seller controls the entire supply of a good or service is called a:

(1) Oligopoly | (2) Monopoly | (3) Monopsony | (4) Perfect Competition

91. "Grapevine" in Business Communication refers to:

(1) Formal upward communication | (2) Informal communication networks | (3) Written corporate policies | (4) Boardroom meetings

92. Who is known as the "Father of Modern Economics"?

(1) Karl Marx | (2) Adam Smith | (3) John Maynard Keynes | (4) Milton Friedman

93. The GST (Goods and Services Tax) in India was implemented in which year?

(1) 2015 | (2) 2016 | (3) 2017 | (4) 2018

94. Which Indian state is known as the "Silicon Valley of India"?

(1) Maharashtra | (2) Telangana | (3) Karnataka | (4) Tamil Nadu

95. A "B2C" business model stands for:

(1) Business to Corporate | (2) Business to Consumer | (3) Buyer to Consumer | (4) Business to Commerce

96. The headquarters of the World Health Organization (WHO) is located in:

(1) New York | (2) London | (3) Geneva | (4) Paris

97. In internet terminology, what does 'URL' stand for?

(1) Universal Routing Link | (2) Uniform Resource Locator | (3) Unified Reference Line | (4) Uniform Routing Locator

98. The BRICS nations include Brazil, Russia, India, China, and:

(1) South Korea | (2) South Africa | (3) Spain | (4) Singapore

99. Which of the following is an Indirect Tax?

(1) Income Tax | (2) Corporate Tax | (3) Wealth Tax | (4) Value Added Tax (VAT)

100. The Reserve Bank of India (RBI) was established in:

(1) 1935 | (2) 1947 | (3) 1950 | (4) 1969

101. The currency of the United Kingdom is:

(1) Euro | (2) Dollar | (3) Pound Sterling | (4) Franc

102. In corporate terms, a "Merger" occurs when:

(1) A company goes bankrupt | (2) Two companies combine to form a single entity | (3) A company splits into two | (4) A company issues public shares

103. Which vitamin is produced by the body when exposed to sunlight?

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

104. The process of converting solid waste into energy is known as:

(1) Waste-to-Energy (WtE) | (2) Hydro-conversion | (3) Solar synthesis | (4) Wind farming

105. 'FDI' in economics stands for:

(1) Foreign Direct Investment | (2) Federal Deposit Insurance | (3) Financial Development Index | (4) Free Domestic Import

106. Semantic barriers in communication are caused by:

(1) Loud background noise | (2) Differences in language and meaning of words | (3) Physical distance | (4) Lack of internet connection

107. Which organization deals with international trade rules between nations?

(1) World Bank | (2) IMF | (3) WTO | (4) UNESCO

108. The Right to Education (RTE) Act guarantees free and compulsory education to children between the ages of:

(1) 4 to 12 years | (2) 6 to 14 years | (3) 5 to 10 years | (4) 6 to 18 years

109. Which planet is known as the "Red Planet"?

(1) Venus | (2) Jupiter | (3) Mars | (4) Saturn

110. An entrepreneur who acquires an existing franchise instead of starting a new business from scratch is engaging in:

(1) Joint Venture | (2) Franchising | (3) Mergers | (4) Liquidating

111. The term "ROI" in business stands for:

(1) Rate of Inflation | (2) Return on Investment | (3) Revenue of Industry | (4) Ratio of Income

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