

Karnataka PGCET MBA 2026: Mock Test 3

Instructions: This comprehensive mock test contains 111 uniquely curated questions mapped precisely to the 2025-26 KEA Syllabus, featuring a high concentration of Diagrammatic Reasoning and Data Interpretation questions. 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 programming flowchart, which geometric shape is used to represent a Decision/Condition?

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

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

2. Which of the following is considered volatile memory?

(1) ROM | (2) Flash Drive | (3) RAM | (4) Hard Disk

3. What is the decimal equivalent of the binary number 10110?

(1) 22 | (2) 24 | (3) 20 | (4) 26

4. The primary function of an Operating System is to:

(1) Act as a web browser | (2) Manage computer hardware and software resources | (3) Compile source code into machine code | (4) Scan for viruses

5. In Database Management Systems, SQL stands for:

(1) Standard Query Language | (2) Structured Query Language | (3) Simple Question Language | (4) System Query Logic

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

(1) Microsoft Word (Local installation) | (2) Notepad | (3) Google Docs | (4) BIOS

7. The 2's complement of the binary number 0101 is:

(1) 1010 | (2) 1011 | (3) 1110 | (4) 1001

8. Which generation of computers used vacuum tubes?

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

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

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

10. Addition of binary numbers 1101 and 1010 results in:

(1) 10111 | (2) 11111 | (3) 10110 | (4) 11011

11. Which network topology requires a central hub or switch?

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

12. ASCII is a character encoding standard. What does ASCII stand for?

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

13. A Nibble is equal to:

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

14. What is the hexadecimal equivalent of decimal 15?

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

15. In normalized floating-point representation, the exponent represents the:

(1) Significant digits | (2) Base multiplier | (3) Fractional part | (4) Sign of the number

16. Which of the following allows multiple operating systems to run simultaneously on a single physical machine?

(1) Multiprocessing | (2) Virtualization | (3) Batch Processing | (4) Spooling

17. What does the "HTTP" protocol handle?

(1) File transfers | (2) Email routing | (3) Webpage data transfer | (4) Database querying

18. Division of the binary number 1100 by 100 yields:

(1) 11 | (2) 10 | (3) 101 | (4) 111

19. Which port is primarily used to connect a computer monitor?

(1) RJ45 | (2) HDMI | (3) USB-C | (4) SATA

20. A program that translates High-Level Language to Machine Language entirely before execution is a:

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

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

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

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

22. Which of these is an open-source operating system?

(1) Windows 11 | (2) macOS | (3) iOS | (4) Linux Ubuntu

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

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

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

24. [Venn Diagram Interpretation] In the following diagram, the 'Circle' represents 'Doctors', the 'Triangle' represents 'Artists', and the 'Rectangle' represents 'Athletes'. Which letter represents Doctors who are Athletes but NOT Artists?

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

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

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

(1) SUPMAC | (2) □UƆMΛC | (3) □UƆMΛC | (4) SUMPAC

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

[Visual Description: Figure X is a complex overlapping hexagon design. Option 3 is a simple 'L' shape with a diagonal line found exactly in the bottom-left 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 circle with a shaded sector rotating 90 degrees clockwise each step. Step 1: Top-Right shaded. Step 2: Bottom-Right shaded. Step 3: Bottom-Left shaded.]

(1) Top-Left shaded | (2) Bottom-Right shaded | (3) Top-Right shaded | (4) Center shaded

28. Find the missing term in the series: 3, 7, 15, 31, 63, ____

(1) 92 | (2) 115 | (3) 127 | (4) 131

29. If 'A' means 'add', 'B' means 'subtract', 'C' means 'multiply', and 'D' means 'divide', what is the value of: 15 C 4 A 10 D 2 B 8?

(1) 57 | (2) 65 | (3) 48 | (4) 71

30. Pointing to a photograph, a man said, "I have no brother or sister, but that man's father is my father's son." Whose photograph was it?

(1) His own | (2) His son's | (3) His father's | (4) His nephew's

31. In a certain code, 'COMPUTER' is written as 'RFUVQNPC'. How is 'MEDICINE' written in that code?

(1) MFEDJJOE | (2) EOJDEJFM | (3) MFEJDJOE | (4) EOJDJEFM

32. A starts from his house and walks 5 km East, turns left and walks 4 km, turns right and walks 3 km. Finally, he turns right and walks 4 km. How far is he from his starting point?

(1) 5 km | (2) 8 km | (3) 10 km | (4) 12 km

33. Analogy: Clock is to Time as Thermometer is to _____.

(1) Heat | (2) Radiation | (3) Temperature | (4) Weather

34. Six friends are sitting in a circle facing the center. A is second to the left of B. C is between A and D. E is opposite to B. Who is sitting to the immediate right of B?

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

35. Find the odd one out:

(1) Copper | (2) Zinc | (3) Brass | (4) Aluminum

36. Statement: All cars are vehicles. No vehicle is a bicycle. Conclusion: I. No car is a bicycle. II. Some vehicles are cars.

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

37. If today is Monday, what day of the week will it be after 65 days?

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

38. At 4:20, what is the angle between the minute hand and the hour hand of a clock?

(1) 0 degrees | (2) 10 degrees | (3) 5 degrees | (4) 20 degrees

39. [Paper Folding] A square sheet of paper is folded twice and a circular hole is punched

in the center. How will it appear when unfolded?

[Visual Description: Option 2 shows a square with four circular holes symmetrically arranged.]

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

40. If RED is coded as 27 and GREEN is coded as 49, how is BLUE coded?

(1) 40 | (2) 36 | (3) 42 | (4) 48

41. In a class of 40 students, Rohan's rank is 15th from the top. What is his rank from the bottom?

(1) 25th | (2) 26th | (3) 24th | (4) 27th

42. A is the brother of B. C is the mother of A. D is the father of C. How is B related to D?

(1) Grandson | (2) Granddaughter | (3) Nephew | (4) Cannot be determined

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

(1) RATION | (2) ACTION | (3) TORN | (4) CREATE

44. Complete the analogous pair: 144 : 12 :: 324 : ?

(1) 14 | (2) 16 | (3) 18 | (4) 22

SECTION 3: QUANTITATIVE ANALYSIS

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

Directions for Q45-Q47: [Bar Graph Analysis]

The bar graph below shows the annual sales (in thousands) of mobile phones by a brand over 5 years (2020-2024).

[Visual Description: 2020: 15k | 2021: 25k | 2022: 40k | 2023: 35k | 2024: 55k]

45. What is the percentage increase in sales from 2021 to 2022?

(1) 40% | (2) 60% | (3) 50% | (4) 37.5%

46. What is the average number of mobile phones sold per year over the 5-year period?

(1) 32,000 | (2) 34,000 | (3) 30,000 | (4) 36,000

47. Sales in 2024 are what percent of the total sales in 2020 and 2023 combined?

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

Directions for Q48-Q50: [Pie Chart Interpretation]

The pie chart represents the distribution of a student's monthly budget of ₹12,000.

[Visual Description: Rent: 30%, Food: 25%, Education: 20%, Transport: 15%, Savings: 10%]

48. How much money does the student spend on Education annually?

(1) ₹2,400 | (2) ₹24,000 | (3) ₹28,800 | (4) ₹30,000

49. What is the central angle corresponding to the amount spent on Transport?

(1) 45° | (2) 54° | (3) 60° | (4) 72°

50. What is the ratio of expenditure on Food to Savings?

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

51. A sum of money doubles itself in 8 years at simple interest. What is the rate of interest?

(1) 10% | (2) 12.5% | (3) 8% | (4) 15%

52. If the price of sugar increases by 20%, by what percent must a householder decrease consumption to keep the expenditure same?

(1) 20% | (2) 16.66% | (3) 25% | (4) 15%

53. A train 150 meters long is running at a speed of 72 km/hr. How long will it take to cross a bridge 250 meters long?

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

54. 3 men or 6 women can do a piece of work in 16 days. In how many days can 12 men and 8 women do the same piece of work?

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

55. The cost price of 20 articles is the same as the selling price of X articles. If the profit is 25%, find the value of X.

(1) 15 | (2) 16 | (3) 18 | (4) 25

56. In a mixture of 60 liters, the ratio of milk and water is 2:1. How much water must be added to make this ratio 1:2?

(1) 20 liters | (2) 30 liters | (3) 40 liters | (4) 60 liters

57. Two pipes A and B can fill a tank in 20 and 30 minutes respectively. If both are opened together, the tank will be filled in:

(1) 10 minutes | (2) 12 minutes | (3) 15 minutes | (4) 25 minutes

58. What is the probability of getting a sum of 9 when two dice are thrown

simultaneously?

(1) $\frac{1}{9}$ | (2) $\frac{1}{12}$ | (3) $\frac{1}{6}$ | (4) $\frac{1}{8}$

59. Find the standard deviation if the variance of a dataset is 144.

(1) 144 | (2) 12 | (3) 24 | (4) 72

60. Simplify: $(4.5 \times 4.5 - 2.5 \times 2.5) / (4.5 - 2.5)$

(1) 7.0 | (2) 2.0 | (3) 6.0 | (4) 8.0

61. A boat goes 8 km upstream and 12 km downstream in 2 hours. If the speed of the current is 2 km/hr, find the speed of the boat in still water.

(1) 8 km/hr | (2) 10 km/hr | (3) 12 km/hr | (4) 6 km/hr

62. Out of 100 students, 50 play cricket, 40 play football, and 10 play both. How many students play neither cricket nor football?

(1) 10 | (2) 20 | (3) 30 | (4) 40

63. Find the area of a circle whose circumference is 44 cm. (Use $\pi = \frac{22}{7}$)

(1) 154 sq. cm | (2) 44 sq. cm | (3) 88 sq. cm | (4) 176 sq. cm

64. The mean of 10 numbers is 30. If one number is excluded, their mean becomes 28. The excluded number is:

(1) 28 | (2) 30 | (3) 48 | (4) 50

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 'MITIGATE'.

(1) Aggravate | (2) Alleviate | (3) Instigate | (4) Ignore

66. Choose the exact antonym for 'CANDID'.

(1) Frank | (2) Deceptive | (3) Sincere | (4) Outspoken

67. What is the meaning of the idiom "To bite the bullet"?

(1) To eat something hard | (2) To face a difficult situation bravely | (3) To act aggressively | (4) To avoid a problem

68. One-word substitution: A person who complies with accepted rules or customs.

(1) Rebel | (2) Conformist | (3) Heretic | (4) Maverick

69. Choose the grammatically correct sentence.

(1) She is married with a doctor. | (2) She is married to a doctor. | (3) She is married a doctor. | (4) She is married by a doctor.

70. Complete the sentence: I have been living here _____ 2015.

(1) for | (2) since | (3) from | (4) until

71. Identify the error in the sentence: "He is one of the best player (A) / in the team (B) / and works very hard (C) / No Error (D)."

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

72. Choose the correct passive voice: "The chef is preparing the food."

(1) The food is prepared by the chef. | (2) The food was being prepared by the chef. | (3) The food is being prepared by the chef. | (4) The food has been prepared by the chef.

73. Choose the correctly spelled word.

(1) Accomodation | (2) Acommodation | (3) Accommodation | (4) Accomodation

74. Which famous novel was written by George Orwell?

(1) Brave New World | (2) 1984 | (3) Fahrenheit 451 | (4) The Great Gatsby

75. Analogy: INK : PEN :: _____ : BRUSH

(1) Canvas | (2) Painter | (3) Paint | (4) Art

76. Fill in the blank: Neither the manager nor the employees _____ aware of the meeting.

(1) is | (2) are | (3) was | (4) has

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

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

78. "A piece of cake" means:

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

79. Replace the underlined phrase to improve the sentence: He *insisted on me to go* there.

(1) insisted me to go | (2) insisted that I go | (3) insisting me going | (4) No improvement

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

(1) Charles Dickens | (2) Jane Austen | (3) William Shakespeare | (4) Homer

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

P: to the library

Q: decided to go

R: to study for the exam

S: Mary

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

82. What is the antonym of 'OBSOLETE'?

(1) Outdated | (2) Ancient | (3) Contemporary | (4) Extinct

83. Fill in the blank: He is good _____ mathematics.

(1) in | (2) at | (3) with | (4) about

84. Choose the correctly punctuated sentence:

(1) Let's eat grandma! | (2) Lets eat grandma! | (3) Let's eat, grandma! | (4) Lets, eat grandma!

85. "An apple of discord" means:

(1) A delicious fruit | (2) Cause of animosity | (3) A peaceful agreement | (4) An unexpected gift

SECTION 5: GENERAL KNOWLEDGE

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

86. In the context of startup funding, what is an "Angel Investor"?

(1) A bank providing business loans | (2) An affluent individual providing capital for a business start-up | (3) A government subsidy program | (4) A foreign direct investment firm

87. The headquarters of the Reserve Bank of India (RBI) is located in:

(1) New Delhi | (2) Mumbai | (3) Chennai | (4) Kolkata

88. Who is widely known as the "Father of the Indian Space Program"?

(1) A.P.J. Abdul Kalam | (2) Homi J. Bhabha | (3) Vikram Sarabhai | (4) C.V. Raman

89. Which of the following is NOT a greenhouse gas?

(1) Carbon dioxide | (2) Methane | (3) Nitrous oxide | (4) Nitrogen

90. The term 'Bull and Bear' is associated with which of the following?

(1) Agriculture | (2) Stock Market | (3) Wildlife Conservation | (4) Real Estate

91. In Business Communication, "Kinesics" refers to the study of:

(1) Time | (2) Space | (3) Body language | (4) Vocal tones

92. Who wrote the famous book 'The Wealth of Nations'?

(1) Karl Marx | (2) John Maynard Keynes | (3) Adam Smith | (4) Amartya Sen

93. The "Make in India" campaign was launched in which year?

(1) 2012 | (2) 2014 | (3) 2016 | (4) 2018

94. Which state is the largest producer of coffee in India?

(1) Kerala | (2) Tamil Nadu | (3) Karnataka | (4) Andhra Pradesh

95. A 'Unicorn' startup is a privately held startup company valued at over:

(1) \$1 Million | (2) \$10 Million | (3) \$100 Million | (4) \$1 Billion

96. The Nobel Prize in Economics was established in:

(1) 1901 | (2) 1968 | (3) 1950 | (4) 1980

97. In internet terminology, what does 'B2B' stand for?

(1) Business to Buyer | (2) Business to Business | (3) Buyer to Buyer | (4) Business to Broker

98. The G20 Summit in 2023 was hosted by which country?

(1) Indonesia | (2) India | (3) Brazil | (4) Italy

99. Which of the following is an example of Direct Tax?

(1) Goods and Services Tax (GST) | (2) Excise Duty | (3) Income Tax | (4) Customs Duty

100. 'NITI Aayog' replaced which of the following institutions in India?

(1) Finance Commission | (2) Planning Commission | (3) Election Commission | (4) National Development Council

101. The currency of Japan is:

(1) Yuan | (2) Won | (3) Yen | (4) Ringgit

102. What does 'CSR' stand for in the corporate world?

(1) Corporate Social Responsibility | (2) Company Strategic Rights | (3) Customer Service Representative | (4) Corporate Sales Revenue

103. Which blood group is known as the Universal Donor?

(1) A | (2) B | (3) AB | (4) O

104. The process of converting agricultural waste into fuel is known as:

(1) Biomass energy production | (2) Geothermal processing | (3) Hydroelectric conversion | (4) Solar synthesis

105. 'IPO' in financial markets stands for:

(1) Internal Profit Outcome | (2) Initial Public Offering | (3) International Portfolio Organization | (4) Investment Policy Operation

106. The barrier to effective communication caused by specialized jargon or technical language is known as a:

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

107. Which organization releases the 'Global Innovation Index'?

(1) World Bank | (2) World Intellectual Property Organization (WIPO) | (3) International Monetary Fund (IMF) | (4) World Trade Organization (WTO)

108. The 'Right to Information' (RTI) Act was passed in India in:

(1) 2001 | (2) 2005 | (3) 2008 | (4) 2010

109. Which river is known as the "Sorrow of Bengal"?

(1) Hooghly | (2) Brahmaputra | (3) Damodar | (4) Kosi

110. An entrepreneur who creates a new business in the face of risk and uncertainty for the purpose of achieving profit and growth is primarily exhibiting:

(1) Complacency | (2) Innovation and Risk-taking | (3) Bureaucracy | (4) Philanthropy

111. The term "SWOT" analysis stands for Strengths, Weaknesses, Opportunities, and:

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

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