## BCA MODEL TEST PAPER

**1. Choose the correct option:**
"She ___ to the store every day."
(a) go
(b) going
(c) goes
(d) gone

**2.  Fill in the blank with the correct article:**
**"She is ___ honest girl."**
(a) a
(b) an
(c) the
(d) none

**3.  Identify the error in the sentence:**
**"He don't like playing soccer."**
(a) don't
(b) like
(c) playing
(d) soccer

**4.  Choose the correct form of the verb:**
**"They ___ watching TV when I called."**
(a) is
(b) are
(c) was
(d) were

**5.  Choose the synonym for "quick":**
(a) slow
(b) fast
(c) lazy
(d) boring

**6.  Choose the antonym of "happy":**
(a) sad
(b) excited
(c) angry
(d) joyful

**7. What does the word "benevolent" mean?**
(a) Kind
(b) Cruel
(c) Angry
(d) Sad

**8. Choose the word that best fits the sentence:**
**"He was very ___ about his new job."**
(a) excited
(b) sad
(c) bored
(d) upset

Read the passage below and answer the questions:
Passage:
"John woke up early one morning to go for a walk. He walked through the park and saw many people jogging. The sun was shining, and the birds were singing. He felt happy and energized."

**9. What did John do when he woke up?**
(a) Went to work
(b) Went for a walk
(c) Ate breakfast
(d) Watched TV

**10. What did John see in the park?**
(a) People dancing
(b) People jogging
(c) Birds singing
(d) Trees

**11. How did John feel during his walk?**
(a) Tired
(b) Sad
(c) Happy and energized
(d) Bored

**12. Choose the correct order to form a sentence:**
**"he / is / a / student / good"**
(a) he is a good student
(b) a he student good is
(c) student a he good is
(d) is he student good a

**13.Complete the sentence:**
"___ you like chocolate?"
(a) Do
(b) Are
(c) Does
(d) Is

**14.  Choose the correct sentence:**
(a) She doesn't can swim.
(b) She can swim.
(c) Can she swim does?
(d) She can swimming.

**15.Choose the synonym for "brave":**
(a) fearful
(b) cowardly
(c) courageous
(d) weak

**16.Choose the antonym of "noisy":**
(a) quiet
(b) loud
(c) chatty
(d) disturbing

**17. What is the synonym of "ancient"?**
(a) old
(b) new
(c) modern
(d) small

**18.What is the opposite of "difficult"?**
(a) challenging
(b) easy
(c) hard
(d) tough

**19.Choose the synonym for "silent":**
(a) loud
(b) quiet
(c) happy
(d) angry

**20. Choose the antonym for "generous":**
(a) kind
(b) selfish
(c) helpful
(d) thoughtful

**21. Who is the current Prime Minister of the United Kingdom?**
(a) Boris Johnson
(b) Rishi Sunak
(c) David Cameron
(d) Theresa May

**22. In which year did the COVID-19 pandemic begin?**
(a) 2019
(b) 2020
(c) 2021
(d) 2022

**23. Who became the first woman to be the Vice President of the United States?**
(a) Michelle Obama
(b) Hillary Clinton
(c) Kamala Harris
(d) Nancy Pelosi

**24. Which country was the first to send a rover to Mars in 2021?**
(a) USA
(b) Russia
(c) China
(d) India

**25. What does "HTTP" stand for in a web address?**
(a) HyperText Transfer Protocol
(b) HyperText Technology Protocol
(c) Home Text Transfer Protocol
(d) High-Tech Transfer Protocol

**26. What is the largest planet in our Solar System?**
(a) Earth
(b) Saturn
(c) Jupiter
(d) Neptune

**27. Who invented the telephone?**
(a) Nikola Tesla
(b) Thomas Edison
(c) Alexander Graham Bell
(d) Michael Faraday

**28. What does the acronym "USB" stand for?**
(a) Universal Serial Bus
(b) Uniform Serial Bus
(c) United Serial Bus
(d) Universal System Bus

**29. When is International Women's Day celebrated?**
(a) March 8
(b) April 15
(c) May 1
(d) June 10

**30. On which date is World Environment Day observed?**
(a) May 15
(b) June 5
(c) December 5
(d) April 22

**31. When is Gandhi Jayanti celebrated in India?**
(a) October 2
(b) August 15
(c) November 14
(d) January 26

**32. When did the Titanic sink?**
(a) 1910
(b) 1912
(c) 1920
(d) 1905

**33. Who was the first Emperor of China?**
(a) Qin Shi Huang
(b) Mao Zedong
(c) Liu Bang
(d) Sun Yat-sen

**34. In which year did the Berlin Wall fall?**
(a) 1987
(b) 1990
(c) 1989
(d) 1995

**35. Who was the first human to travel into space?**
(a) Neil Armstrong
(b) Yuri Gagarin
(c) Buzz Aldrin
(d) Valentina Tereshkova

**36. Who discovered America in 1492?**
(a) Christopher Columbus
(b) Marco Polo
(c) Ferdinand Magellan
(d) Vasco da Gama

**37. What is the chemical symbol for gold?**
(a) Au
(b) Ag
(c) Hg
(d) Pb

**38. How many bones are in the adult human body?**
(a) 206
(b) 220
(c) 215
(d) 212

**39. What is the most abundant gas in the Earth's atmosphere?**
(a) Oxygen
(b) Carbon Dioxide
(c) Nitrogen
(d) Hydrogen

**40. Which part of the plant conducts photosynthesis?**
(a) Root
(b) Stem
(c) Leaf
(d) Flower

**41. If 5 pencils cost $10, how much do 2 pencils cost?**
(a) $2
(b) $4
(c) $5
(d) $6

**42. Find the odd one out:**
(a) Dog
(b) Cat
(c) Elephant
(d) Tomato

**43. If a clock shows 9:15, what is the angle between the hour and minute hands?**
(a) 90°
(b) 45°
(c) 60°
(d) 180°

**44. If 2, 4, 8, 16 are part of a sequence, what comes next?**
(a) 24
(b) 32
(c) 48
(d) 64

**45. Complete the series: A, C, E, G, _ _ _ ?**
(a) H
(b) I
(c) J
(d) K

**46. In a sequence, if each number is 3 more than the previous one, what is the next number after 7, 10, 13?**
(a) 15
(b) 16
(c) 18
(d) 20

**47. Arrange the given words in the sequence in which they occur in the dictionary.**
i. Obstacle
ii. Obscure
iii. Obsession
iv. Obstruct

(a) iii, iv, i, ii
(b) i, iv, iii, ii
(c) ii, iii, i, iv
(d) iv, iii, ii, i

**48. If Monday is the first day of the week, which day is the 5th day?**
(a) Thursday
(b) Friday
(c) Saturday
(d) Sunday

**49. A bag has 5 red balls, 3 blue balls, and 2 yellow balls. If you pick one ball at random, what is the probability of getting a red ball?**
(a) 1/3
(b) 1/5
(c) 1/10
(d) 1/2

**50. If a train travels 60 km in 1 hour, how far does it travel in 3 hours?**
(a) 90 km
(b) 120 km
(c) 180 km
(d) 240 km

**51.What comes next in the sequence: 5, 10, 15, 20, _ _ _?**
(a) 25
(b) 30
(c) 35
(d) 40

**52. If a square has 4 equal sides of length 6 cm, what is its perimeter?**
(a) 24 cm
(b) 36 cm
(c) 48 cm
(d) 12 cm

**53. If you rearrange the letters in "ELPAP" to form a fruit, what is it?**
(a) Apple
(b) Pear
(c) Grape
(d) Plum

**54. I have keys but open no locks. I have space but no room. You can enter, but you can't go outside. What am I?**
(a) A car
(b) A house
(c) A keyboard
(d) A suitcase

**55. What comes next in the pattern:■,□,■,□, _ _ _?**
**(a)** ■
**(b)** □
**(c)** ■■
**(d)** □□

**56. If a farmer has 15 cows, and all but 3 run away, how many are left?**
(a) 3
(b) 12
(c) 15
(d) 0

**57. All apples are fruits. Some fruits are red. Therefore:**
(a) All apples are red.
(b) Some apples are red.
(c) All fruits are apples.
(d) No apples are red.

**58. If all dogs are animals and some animals are black, can we say all dogs are black?**
(a) Yes
(b) No
(c) Not sure
(d) None of the above.

**59. John is taller than Mike. Mike is taller than Sarah. Who is the shortest?**
(a) John
(b) Sarah
(c) Mike
(d) Cannot be determined

**60. If "All men are mortal" and "Socrates is a man," what can you conclude?**
(a) Socrates is immortal.
(b) Socrates is a philosopher.
(c) Socrates is mortal.
(d) Socrates is human

**61. What does CPU stand for?**
(a) Central Process Unit
(b) Central Processing Unit
(c) Central Program Unit
(d) Computer Personal Unit

**62. Which of the following is a primary memory device?**
(a) Hard Disk
(b) ROM
(c) Floppy Disk
(d) CD-ROM

**63. What is the full form of 'HTTP'?**
(a) HyperText Transfer Protocol
(b) HyperTool Transfer Protocol
(c) HighText Transfer Protocol
(d) Hyper Transfer Text Protocol

**64. What is the main function of the ALU (Arithmetic Logic Unit) in a computer?**
(a) Perform calculations and logic operations
(b) Store data
(c) Control input/output operations
(d) Manage memory

**65. Which of the following is an example of hardware?**
(a) Microsoft Word
(b) Windows OS
(c) Monitor
(d) Excel

**66. Which of the following is software?**
(a) Keyboard
(b) Mouse
(c) Operating System
(d) Printer

**67. What is the full form of 'BIOS'?**
(a) Binary Integrated Operating System
(b) Basic Integrated Operating System
(c) Basic Input Output System
(d) Binary Input Output System

**68. Which device is used to input data into the computer?**
(a) Printer
(b) Monitor
(c) Mouse
(d) Speaker

**69. Which of the following is an example of an operating system?**
(a) Windows
(b) Google Chrome
(c) Microsoft Word
(d) Excel

**70. What does GUI stand for in relation to operating systems?**
(a) General User Interface
(b) Graphical User Interface
(c) Graphical Unified Interface
(d) General User Internet

**71. Which of the following is a command-line based operating system?**
(a) Windows
(b) DOS
(c) macOS
(d) Linux

**72. Which operating system is known for being open source?**
(a) Windows
(b) Linux
(c) macOS
(d) Android

**73. Which software is used to create documents?**
(a) Adobe Photoshop
(b) Microsoft Word
(c) Excel
(d) Microsoft PowerPoint

**74. Which of the following is used for browsing the internet?**
(a) Microsoft Word
(b) Google Chrome
(c) Excel
(d) VLC Media Player

**75. What is the primary function of Microsoft Excel?**
(a) Word processing
(b) Data analysis and calculations
(c) Creating presentations
(d) Browsing the web

**76. Which application is used to create presentations?**
(a) Microsoft Word
(b) Microsoft PowerPoint
(c) Microsoft Excel
(d) Adobe Illustrator

**77. What does URL stand for?**
(a) Uniform Resource Locator
(b) Uniform Range Locator
(c) Universal Resource Locator
(d) Uniform Related Locator

**78. Which of the following is a web browser?**
(a) Windows 10
(b) Google Chrome
(c) Microsoft Word
(d) Photoshop

**79. What is the main purpose of DNS (Domain Name System)?**
(a) To convert IP addresses into domain names
(b) To send email
(c) To manage websites
(d) To provide data storage

**80. Which device is used to connect different networks?**
(a) Switch
(b) Hub
(c) Router
(d) Repeater

**81. What is the place value of 7 in 5,374?**
(a) 70
(b) 700
(c) 7
(d) 7,000

**82. What is the greatest 2-digit number?**
(a) 90
(b) 99
(c) 98
(d) 100

**83. Simplify: 215+6×2**

(a) 42
(b) 227
(c) 333
(d) 121

**84. What is the least prime number?**

(a) 0
(b) 1
(c) 2
(d) 3

**85. What is 45% of 200?**

(a) 45
(b) 90
(c) 100
(d) 120

**86. Divide 120 by 6. What is the result?**

(a) 15
(b) 20
(c) 25
(d) 30

**87. If a car travels 60 km in 1 hour, how far does it travel in 4 hours?**

(a) 120 km
(b) 180 km
(c) 240 km
(d) 300 km

**88. Find the LCM of 6 and 8.**

(a) 48
(b) 24
(c) 12
(d) 18

**89. Solve for xxx: 3x+5=14.**

(a) 2
(b) 3
(c) 4
(d) 5

**90. Solve for y:**

2y−3=9
(a) 6
(b) 4
(c) 3
(d) 5

**91. Simplify:**

2x+3x−4x

(a) x
(b) 2x
(c) 4x
(d) 3x

**92. If y=3, find the value of 2y+5.**

(a) 11
(b) 9
(c) 8
(d) 6

**93. What is the sum of angles in a triangle?**

(a) 90°
(b) 180°
(c) 270°
(d) 360°

**94. How many sides does a pentagon have?**

(a) 3
(b) 4
(c) 5
(d) 6

**95. What is the area of a rectangle with length 5 cm and breadth 3 cm?**

(a) 8 cm²
(b) 15 cm²
(c) 10 cm²
(d) 20 cm²

**96. What is the name of a 3D shape with 6 faces, all squares?**

(a) Sphere
(b) Cylinder
(c) Cube
(d) Cone

**97. Find the perimeter of a square with side length 7 cm.**

(a) 14 cm
(b) 21 cm
(c) 28 cm
(d) 35 cm

**98. What is the volume of a cube with side length 4 cm?**

(a) 64 cm³
(b) 48 cm³
(c) 16 cm³
(d) 32 cm³

**99. Find the circumference of a circle with radius 7 cm (π=22/7).**
(a) 22 cm
(b) 44 cm
(c) 66 cm
(d) 88 cm

**100. What is the area of a triangle with base 10 cm and height 5 cm?**
(a) 25 cm²
(b) 50 cm²
(c) 75 cm²
(d) 100 cm²