



Swami Vivekanand Govt. College Ghumarwin
Computer Science (BCA) Entrance Test
Session 2024-2025

QUESTION BOOKLET

Roll No. (in Figure) _____

Roll No. (in Words) _____

Time: 1:30 Hour

Maximum Marks: 50

IMPORTANT INSTRUCTIONS:

1. The paper contains 50 questions. Each question carry One Mark.
2. Attempt all questions as there will be no Negative Marking.
3. Use Blue/Black Ball point pen to tick the correct Answer.
4. Use of calculators, Mobile phones/ Electronic devices are strictly prohibited in the examination Hall.
5. The questions are of objective type. Here is an example.

The capital of India is

- (A) Mumbai (B) Chennai
(C) Kolkata (D) New Delhi

The correct answer of this question is New Delhi. You will therefore darken the circle with ink Blue/Black pen below column (D) as shown below.

- A B C D
-

6. Each question has only one correct answer. If you give more than one answer, it will be considered wrong and it will not be evaluated. Changing, cutting, overwriting and erasing of an answer will be treated as wrong answer.
7. The candidate will not leave the examination hall till the stipulated time is over and only after he has handed over the Answer sheet to the staff on duty.

Entrance Test for BCA- 2024-25

PART A - LOGICAL ABILITY

Q1. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?

- | | |
|-------|-------|
| A) 12 | B) 14 |
| C) 27 | D) 53 |

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q2. Secretly is to openly as silently is to

- | | |
|-------------|---------------|
| A) Scarcely | B) Impolitely |
| C) Noisily | D) Quietly |

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q3. Statements: No women teacher can play. Some women teachers are athletes.
Conclusions:

- 1. Male athletes can play.* *2. Some athletes can play.*

- | | |
|------------------------------|-------------------------------|
| A) Only conclusion I follows | B) Only conclusion II follows |
| C) Either I or II follows | D) Neither I nor II follows |

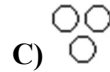
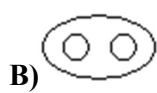
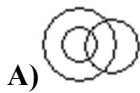
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|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q4. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- | | |
|------------|---------------|
| A) Brother | B) Nephew |
| C) Uncle | D) Son-in-law |

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q5. Which of the following diagrams indicates the best relation between Women, Mothers and Engineers ?



- A) B) C) D)

Q6. Choose the word which is different from the rest.

- A) Rigveda B) Yajurveda
C) Atharvaveda D) Ayurveda

- A) B) C) D)

Q7. NATION : ANTINO :: HUNGRY : ?

- A) HNUGRY B) UHNGYR
C) YRNGUH D) UNHGYR

- A) B) C) D)

Q8. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

- A) A B) X
C) S D) Z

- A) B) C) D)

Q9. X works twice as fast as Y. Y alone can finish the work in nine days. X and Y together can finish the work in _____ days.

- A) 6 B) 5
C) 4 D) 3

- A) B) C) D)

Q10. Synonym of 'Alert' is?

- A) Energetic B) Observant
C) Intellectual D) Watchful

- A) B) C) D)

Q11. In a certain code, DOES is written as 5\$3% and SITE is written as %4#3. How is EDIT written in that code?

- A) 3#4\$
- C) 54#

- B) %3#5
- D) #5\$

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q12. Arrange the following words in a meaningful sequence -

1. Frog 2. Grass 3. Grasshopper 4. Eagle 5. Snake

- A) 2, 3, 1, 5, 4
- C) 2, 1, 3, 4, 5

- B) 3, 2, 1, 4, 5
- D) 4, 5, 1, 3, 2

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q13. The day before yesterday was Saturday. What will be the day after tomorrow?

- A) Thursday
- C) Wednesday

- B) Friday
- D) Monday

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q14. A hospital always has -

- A) Doctor
- C) Bed

- B) Nurse
- D) None of the above

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q15. Which of the following pairs of words are differently related?

- A) Kind : Cruel
- C) Stale : Fresh

- B) Slow : Sluggish
- D) Truth : Lie

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Part –B (Computer Science)

Q16. Convert (25)₁₀ into binary number system.

- A) 11011
C) 11001
- B) 11110
D) 10011

A B C D

Q17. What is the full form of HTML ?

- A) Hypertext making language
C) Hypertext markup language
- B) Hypertext mark language
D) Hypertext-made letter

A B C D

Q18. Which part of a computer is known as the brain of the computer?

- A) RAM
C) Hard disk
- B) CPU
D) Operating System

A B C D

Q19. The shortcut key to open a document in MS Word is _____?

- A) Alt +N
C) shift +N
- B) Ctrl + N
D) None of these

A B C D

Q20. PHP is a _____.

- A) Client Side Scripting Language
C) Server Side Scripting Language
- B) Markup Language
D) None of these

A B C D

Q21. Which of the following computer language is written in binary codes only?

- A) C Language
C) Java
- B) Machine Language
D) Python

A B C D

Q22. Which of the following is the smallest unit of data in a computer?

- A) Bit
C) Nibble
- B) KB
D) Byte

A B C D

Q23. Who is the father of Computers?

- A) James Gosling
- B) Charles Babbage
- C) Dennis Ritchie
- D) Bjarne Stroustrup

A B C D

Q24. What is an operating system?

- A) interface between the hardware and application programs
- B) collection of programs that manages hardware resources
- C) system service provider to the application programs
- D) all of the mentioned

A B C D

Q25. Which of the following can access the server?

- A) Web Client
- B) User
- C) Web Browser
- D) Web Server

A B C D

Q26. The list of coded instructions is called

- A) Computer Program
- B) Algorithm
- C) Flowchart
- D) Utility Program

A B C D

Q27. Which of the following service allows a user to log in to another computer somewhere on the Internet?

- A) e-mail
- B) UseNet
- C) Telnet
- D) FTP

A B C D

Q28. Anupam - Ameya is a series of supercomputers designed and developed by _____

Institution

- A) BARC
- B) CSIR
- C) TIFR
- D) DST

A B C D

Q29. Which one of the following is Application software?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A. | Windows NT | B) | iOS |
| C) | WINDOW 11 | D) | Photoshop |
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q30. What is the full form of USB in Computer?

- | | | | |
|-----------------------|----------------------------|-----------------------|-----------------------|
| A) | Universal security block | B) | Universal serial Bus |
| C) | Universal software Barrier | D) | Universal stage Base |
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Part C – Mathematics

Q31. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| (A) | 39, 30 | (B) | 41, 32 |
| (C) | 42, 33 | (D) | 43, 34 |
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q32. What is the probability of getting a sum 9 from two throws of a dice?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| (A) | 1/6 | (B) | 1/9 |
| (C) | 1/8 | (D) | 5/7 |
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q33. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| (A) | 360 | (B) | 480 |
| (C) | 720 | (D) | 5040 |
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q34. Today is Monday. After 61 days, it will be:

A) Wednesday

B) Saturday

C) Tuesday

D) Thursday

A B C D

Q.35 What is 3% of 5%?

A) 60%

B) 70%

C) 65%

D) 75%

A B C D

Q36. What is the sum of first 20 even numbers?

A) 420

B) 440

C) 380

D) 400

A B C D

Q37. If arithmetic mean of the two numbers x_1 & x_2 is 5. If $x_1=3$, then $x_2=?$

A) 3

B) 5

C) 7

D) 10

A B C D

Q38. Which of the following is smallest prime number?

A) 0

B) 1

C) 2

D) 3

A B C D

Q39. Solve $3 + 6 \times (5 + 4) \div 3 - 7$

A) 11

B) 16

C) 14

D) 15

A B C D

Q40. What is 6% Equals to

A) 0.06

B) 0.6

C) 0.006

D) 0.0006

A B C D

Part D – General Awareness

Q41. Tiun Dhar and Kotdhar are situated in which district ?

- A) Shimla
B) Hamirpur
C) Bilaspur
D) Kangra

A B C D

Q42. Who founded the city of Bilaspur?

- A) Meru Varman
B) Sagar Sen
C) Deep Chand Chandel
D) Maharaja Ranjeet Singh

A B C D

Q43. Which among the following place in Himachal Pradesh is called as “Mini Switzerland”?

- A) Dharmashala
B) Kharjiar
C) Solan
D) Kasauli

A B C D

Q44. Vashisht hot water springs are located on the banks of which river?

- A) Ravi
B) Beas
C) Satluj
D) Yamuna

A B C D

Q45. Pin Valley National Park is located in which district of Himachal Pradesh?

- A) LahaulSpiti
B) Chamba
C) Mandi
D) Kangra

A B C D

Q46. Which place of Himachal Pradesh is also known as Chotti Kashi ?

- (A) Mandi
(B) Kullu
(C) Dharamshala
(D) Khajiar

A B C D

Q47. Where is Minjar fair celebrated in Himachal Pradesh ?

(A) Chamba

(B) Dharamshala

(C) Mandi

(D) Solan

A B C D

Q48. Satluj River originate from which ?

(A) Baralacha La Pass

(B) Rohtang Pass

(C) Bara Bhangal

(D) Rakshastal Lake near Mansarovar

A B C D

Q49. Who is the education minister of Himachal Pradesh ?

(A) Sh. Rohit Thakur

(B) Sh. Sudhir Sharma

(C) Sh. Chander Kumar

(D) Sh. Rajesh Dharmani

A B C D

Q50. Who wrote the National Anthem of India ?

(A) Sh. Bankim Chandar Chattergi

(B) Sh. Ravindar Nath Tagore

(C) Sh. Subhash Chandar Bose

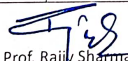
(D) Sh. Bal Gangadhar Tilak

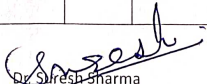
A B C D


Answer key Entrance Exam BCA 2024-25 SVGC Ghumarwin

1	B	11	Marks to all	21	B	31	C	41	C
2	C	12	A	22	A	32	B	42	C
3	D	13	C	23	B	33	C	43	B
4	A	14	A	24	D	34	B	44	B
5	A	15	B	25	A	35	Marks to all	45	A
6	D	16	C	26	A	36	A	46	A
7	B	17	C	27	C	37	C	47	A
8	B	18	B	28	A	38	C	48	D
9	D	19	B	29	D	39	C	49	A
10	D	20	C	30	B	40	A	50	B


Dr. Sunita Kant


Prof. Rajiv Sharma


Dr. Suresh Sharma


Principal
SVGC Ghumarwin