



Far Western University
Faculty of Humanities and Social Sciences
Bachelor of Computer Application (BCA)
BCA Entrance Exam – Model Question Paper

Full Marks: 100

Time: 2 Hours

Answer all questions.

Each question carries **1 mark**. Choose the best option (A, B, C, D).

Section A: Nepali

(10 Marks)

१. उच्चारण स्थानको आधारमा त्, थ्, द्, ध्, कस्ता वर्ण हुन् ?

- क) कण्ठ्य ख) दन्त्य ग) ओष्ठ्य घ) तालव्य

२. उच्चार्य नेपाली स्वर वर्णको सङ्ख्या कति छ ?

- क) ५ ख) ६ ग) ७ घ) ८

३. किताब शब्दमा कति अक्षर छन् ?

- क) दुई ख) तिन ग) चार घ) पाँच

४. स्रोतका आधारमा 'पुस्तक' कस्तो शब्द हो ?

- क) आगन्तुक ख) तत्सम ग) तदभव घ) देशज

५. 'प्रत्येक' शब्दको सन्धि विच्छेद कुन हो?

- क) प्रति + एक ख) प्र + त्येक ग) प्रत् + येक घ) प्र + तेक

६. कान्छो भाइ भरखरै आयो, वाक्यमा प्रयोग भएको 'कान्छो' शब्द कुन शब्दवर्गको हो ?

- क) नाम ख) विशेषण ग) सर्वनाम घ) क्रिया

७. प्रत्यय प्रक्रियाबाट बनेको शब्द कुन हो ?

- क) उपहार ख) नेपाली ग) दालभात घ) घरसर

८. 'पदम पुस्तक पढ्छ' कस्तो वाक्य हो ?

- क) सरल ख) संयुक्त ग) मिश्र घ) मिलित

९. कुन वाक्यमा क्रियापदको रूप पुलिङ्गी, तृतीय पुरुष, निम्न आदर र एक वचनमा हुन्छ ?

- क) कर्तृवाच्यमा ख) कर्मवाच्यमा ग) भाववाच्यमा घ) सबै वाच्यमा

१०. संश्लेषण गरिएको वाक्य कुन हो ?

- क) महापुरुषहरू समाजको भलाइका लागि काम गर्छन् । ख) उसले मेरा लागि मफलर किनेको छ ।
 ग) हरिको भाइको कान्छो छोरो हरायो । घ) म घर गएर छिट्टै फर्केर आएँ ?

Section B: English

(30 Marks)

11. Synonym of "benevolent" is:

- A) Cruel B) Kind C) Greedy D) Rude

12. Antonym of "optimistic" is:

- A) Hopeful B) Cheerful C) Pessimistic D) Joyful

13. Choose one word for: "A person who does not believe in God."
 A) Theist B) Atheist C) Agnostic D) Optimist
14. Choose the correct phrasal verb: "She _____ the work after lunch."
 A) took off B) took over C) took out D) took in
15. Idiom: "A blessing in disguise" means:
 A) A bad luck B) A good thing hidden as bad C) A curse D) A miracle
16. Correct article: "He is _____ honest man."
 A) a B) an C) the D) none
17. Correct subject-verb: "Neither of the boys _____ present."
 A) is B) are C) were D) been
18. Relative pronoun: "This is the girl _____ won the prize."
 A) which B) who C) whom D) whose
19. Correct causative form: "I had my car _____."
 A) wash B) washed C) washing D) washes
20. Correct tense: "She _____ her homework yesterday."
 A) do B) did C) does D) done
21. Change into indirect: He said, "I am tired."
 A) He said that he was tired. B) He said that I am tired.
 C) He said he is tired. D) He said he tired.
22. Passive voice: "They will finish the work."
 A) The work is finished by them. B) The work will be finished by them.
 C) The work was finished by them. D) They are finishing the work.
23. Question tag: "You are coming, _____?"
 A) aren't you B) are you C) don't you D) didn't you
24. Conditional: "If I were rich, I _____ travel the world."
 A) will B) would C) shall D) should
25. Correct preposition: "He is good _____ math."
 A) on B) in C) at D) for
26. Conjunction: "I was ill, _____ I could not attend the class."
 A) and B) but C) so D) or
27. Correct prefix: "_____possible"
 A) dis B) un C) im D) mis
28. Suffix: "Beauty + _____ = Beautiful"
 A) -ful B) -ness C) -ist D) -tion
29. Pronoun: Choose the correct option – "Everybody must bring _____ own book."
 A) his B) her C) their D) its
30. Synonym of "rapid" is:
 A) Slow B) Quick C) Dull D) Idle
31. Antonym of "generous" is:
 A) Kind B) Mean C) Helpful D) Friendly

- 32. One word substitution: "One who knows many languages"**
 A) Linguist B) Philatelist C) Polyglot D) Biologist
- 33. Idiom: "Hit the sack" means:**
 A) Fight B) Sleep C) Work D) Travel
- 34. Correct preposition: "He is interested ____ music."**
 A) at B) in C) on D) to
- 35. Correct tense: "By next year, I ____ my degree."**
 A) completed B) have completed C) will have completed D) completes
- 36. Reported speech: She said, "I will help you."**
 A) She said she helps me. B) She said that she would help me.
 C) She said she will help you. D) She said she helped me.
- 37. Passive voice: "They are playing football."**
 A) Football is played by them. B) Football is being played by them.
 C) Football was played by them. D) Football was being played by them.
- 38. Prefix: "____logical" (opposite of logical)**
 A) il B) ir C) in D) dis
- 39. Correct pronoun: "It was ____ who called you."**
 A) me B) I C) mine D) myself
- 40. Synonym of "obstacle" is:**
 A) Help B) Barrier C) Support D) Aid

Section C: IT (20 Marks)

- 41. HTML stands for:**
 A) Hyper Trainer Markup Language B) Hyper Text Markup Language
 C) High Text Machine Language D) None
- 42. MS Word is an example of:**
 A) System Software B) Application Software C) Utility Software D) Firmware
- 43. CPU is the:**
 A) Central Process Unit B) Central Processing Unit
 C) Control Processing Unit D) Central Processor Utility
- 44. URL stands for:**
 A) Uniform Resource Locator B) Unified Resource Link
 C) Universal Record Locator D) Uniform Recorded Link
- 45. Email stands for:**
 A) Electronic Mail B) Easy Mail C) Emergency Mail D) Electric Mail
- 46. Who invented WWW?**
 A) Charles Babbage B) Tim Berners-Lee C) Bill Gates D) Alan Turing
- 47. Example of input device:**
 A) Monitor B) Keyboard C) Printer D) Speaker
- 48. Example of output device:**
 A) Scanner B) Mouse C) Monitor D) Keyboard

49. Which is not a programming language?

- A) Python B) C++ C) Java D) Google

50. HTML is used to:

- A) Create webpages B) Program OS C) Draw graphics D) Calculate data

51. Full form of IP:

- A) Internet Process B) Internal Protocol C) Internet Protocol D) Instant Program

52. MS Excel is used for:

- A) Word Processing B) Spreadsheet C) Browsing D) Database only

53. Google Chrome is a:

- A) Browser B) OS C) Hardware D) Compiler

54. BIOS stands for:

- A) Basic Input Output System B) Basic Internet Operating System
C) Binary Input Operating Setup D) None

55. Which is not an email service provider?

- A) Gmail B) Yahoo C) Hotmail D) Mozilla

56. First mechanical computer was invented by:

- A) Tim Berners Lee B) Charles Babbage C) Ada Lovelace D) Blaise Pascal

57. Virus stands for:

- A) Vital Information Resource Under Seize B) Very Important Record Utility System
C) Virtual Information Reuse System D) None

58. Which is not storage device?

- A) Pen Drive B) Hard Disk C) RAM D) CPU

59. Full form of PDF:

- A) Portable Document Format B) Printable Document File
C) Program Data File D) Portable Data Function

60. Which one is system software?

- A) MS Word B) Windows 10 C) Excel D) Chrome

Section D: Mathematics (30 Marks)

61. HCF of 36 and 48 is:

- A) 6 B) 12 C) 18 D) 24

62. LCM of 12 and 15 is:

- A) 45 B) 60 C) 75 D) 30

63. $(\frac{3}{4}) \times (\frac{16}{9}) = ?$

- A) $\frac{4}{3}$ B) $\frac{3}{16}$ C) $\frac{4}{9}$ D) $\frac{16}{27}$

64. If $A = \{2,4,6\}$ and $B = \{4,6,8\}$, $A \cap B = ?$

- A) $\{2,8\}$ B) $\{4,6\}$ C) $\{6,8\}$ D) $\{2,4\}$

65. Simple Interest on Rs. 5000 at 10% per annum for 2 years is:

- A) 1000 B) 2000 C) 500 D) 1500

66. $(2x + 3)(2x - 3) = ?$

- A) $4x^2 - 9$ B) $4x^2 + 9$ C) $2x^2 - 9$ D) $2x^2 + 9$

67. $\log_{10} 100 = ?$

- A) 1 B) 2 C) 3 D) 10

68. Probability of getting head in a coin toss = ?

- A) 0 B) $\frac{1}{2}$ C) 1 D) 2

69. Ratio of 2 hours to 30 minutes = ?

- A) 2:1 B) 3:1 C) 4:1 D) 1:4

70. Mean of 5, 10, 15 = ?

- A) 5 B) 10 C) 15 D) 30

71. $\sin^2\theta + \cos^2\theta = ?$

- A) 0 B) 1 C) 2 D) $\tan\theta$

72. If $x^2 - 5x + 6 = 0$, then roots are:

- A) 2, 3 B) 3, 4 C) 1, 6 D) 5, 6

73. Sides of square = 5 cm. Area = ?

- A) 10 B) 20 C) 25 D) 50

74. $(x+y)^2 = ?$

- A) $x^2 + y^2$ B) $x^2 + 2xy + y^2$ C) $2x^2 + 2y^2$ D) None

75. Find: 1, 4, 9, 16, ?

- A) 20 B) 24 C) 25 D) 36

76. Volume of cube with side 3 cm = ?

- A) 9 B) 27 C) 18 D) 36

77. If speed = 60 km/h, distance = 120 km, time = ?

- A) 1 hr B) 2 hr C) 3 hr D) 4 hr

78. $\tan 45^\circ = ?$

- A) 0 B) 1 C) $\sqrt{3}$ D) ∞

79. Number of ways to arrange 3 letters ABC = ?

- A) 3 B) 6 C) 9 D) 12

80. If mean = 20, total 5 numbers, sum = ?

- A) 50 B) 60 C) 80 D) 100

81. $(x^2 - y^2) = ?$

- A) $(x - y)(x + y)$ B) $(x + y)^2$ C) $(x - y)^2$ D) $(x + y)(x - y)^2$

82. $\sqrt{49} = ?$

- A) 9 B) 8 C) 7 D) 6

83. If CP = Rs. 500, SP = Rs. 600, Profit % = ?

- A) 10% B) 15% C) 20% D) 25%

84. If marks obtained = 40, total = 80, percentage = ?

- A) 40% B) 45% C) 50% D) 60%

85. If average of 2 numbers = 25, sum = ?

- A) 25 B) 50 C) 75 D) 100

86. Equation of line with slope m and intercept c is:

- A) $y = mx + c$ B) $x = my + c$ C) $y = c - mx$ D) none

87. Which is not prime?

- A) 7 B) 11 C) 15 D) 17

88. If $n(A) = 5$, $n(B) = 3$, total elements in $A \times B = ?$

- A) 8 B) 15 C) 12 D) 20

89. If $2:5 = x:20$, find x .

- A) 6 B) 8 C) 10 D) 12

90. $\log_{10} 1 = ?$

- A) 0 B) 1 C) 10 D) undefined

Section E: General Knowledge (10 Marks)

91. First Prime Minister of Nepal was:

- A) Bhimsen Thapa B) Jung Bahadur Rana
C) Mohan Shumsher D) Bishweshwar Prasad Koirala

92. Deepest lake in Nepal is:

- A) Rara B) Tilicho C) Shey-Phoksundo D) Gokyo

93. Tallest mountain in the world is:

- A) K2 B) Kangchenjunga C) Mount Everest D) Annapurna

94. UNO was established in:

- A) 1919 B) 1945 C) 1947 D) 1950

95. World's largest ocean is:

- A) Atlantic B) Pacific C) Indian D) Arctic

96. Capital of Canada is:

- A) Toronto B) Ottawa C) Montreal D) Vancouver

97. 2018 FIFA World Cup was won by:

- A) Germany B) France C) Brazil D) Argentina

98. Who is the present Prime Minister of Nepal (2025)?

- A) Sher Bahadur Deuba B) Pushpa Kamal Dahal C) KP Sharma Oli D) Baburam Bhattarai

99. Miss Nepal 2024 winner was:

- A) Priyanka Rani Joshi B) Sareesha Shrestha C) Ronali Amatya D) Shrichha Pradhan

100. Light bulb was invented by:

- A) Thomas Alva Edison B) Alexander Graham Bell C) Nikola Tesla D) Michael Faraday