

Tribhuvan University
Faculty of Education
Entrance Test 2079

Level: Bachelor Degree

Time: 1.40 hrs

Subject: BICTE

Full Marks: 100

Mark the letter corresponding to the right answer of each question.

1. Who is the father of computer?
a. Allen Turing b. Charles Babbage
c. Tim Berbers-Lee d. Bill Gates
2. Who invented the WWW in 1989?
a. Allen Turing b. Charles Babbage
 c. Tim Berbers-Lee d. Bill Gates
3. What is for the OR Boolean operation, the output is only true if the
 a. one input is true b. both inputs are true
c. one input is false d. both inputs are false
4. Which function key needs to be press during reboot to enter in safe mode of a windows machine?
 a. F8 b. F2
c. F9 d. F5
5. Which key combination is used to minimize all open windows in the screen?
a. Alt+M b. Shift+M
 c. Windows Key+D d. CTRL+D
6. Which of the following is NOT operating system?
 a. Microsoft Edge b. Ubuntu
c. MacOS d. Android
7. What does DOS stands for?
a. Dual Operating System b. Disk Organized System
c. Dual Organized System d. Disk Operating System
8. The term 'memory' applies to
a. Input device b. Control
 c. Storage d. Logic
9. What is the binary equivalent of the decimal number 101?
 a. 5 b. 4
c. 6 d. 3
10. What is the maximum value of digit that can appear in an Octal number system?
 a. Seven b. Eight
c. Fifteen d. Sixteen
11. How many bits are in a single byte?
 a. 8 b. 4 c. 2 d. 7
12. Which memory stores the data permanently?
a. RAM b. CPU
 c. ROM d. Cache
13. Which of the following is NOT an input device?
a. Camera b. Scanner
 c. Projector d. Microphone
14. Which device speed is measured in Gigahertz?
 a. CPU b. Register
c. Printer d. Hard Disk
15. What is the newest and fastest form of USB?
a. USB Type B b. Micro USB
c. USB Type A d. USB Type C
16. Which port can NOT be used to connect a monitor to the computer?
a. HDMI b. Audio
c. VGA d. USB

17. Which port is generally used to connect a mobile phone, MP3 player or digital camera to a computer?

- a. USB port
- b. Ethernet port
- c. Serial port
- d. HDMI port

18. The G in 5G stands for?

- a. Gigabit
- b. Gigahertz
- c. Good to Go
- d. Generation

19. Which networking cable is sent data in a light?

- a. Copper
- b. Fiber Optic
- c. Ethernet
- d. CAT6

20. Which is a network protocol?

- a. TCP/IP
- b. MAC
- c. CAT6
- d. Routing

21. Which is the example of valid IP address?

- a. 192.168.2.10
- b. 192.420.02.1
- c. 202.266.0.01
- d. 192.168. 3.1.72

22. How do you write hashtag in social media?

- a. \$BICTE
- b. BITCE#
- c. #BICTE
- d. @BICTE

23. Who is Mark Zuckerberg?

- a. Founder of Google
- b. Founder of Twitter
- c. Founder of Facebook
- d. Founder of MySpace

24. Who bought a popular social Twitter in 2022?

- a. Elon Musk
- b. Bill Gates
- c. Mark Zuckerberg
- d. Jeff Bezos

25. What is called an updated list of all the new content posted by the accounts a user follows on social media?

- a. Follow
- b. Feed
- c. Event
- d. Session

26. Which of the following is defined as an attempt to steal, spy, damage or destroy computer systems, networks, or their associated information?

- a. Cryptography
- b. Digital hacking
- c. Cyber Attack
- d. Network security

27. A student creates a fake email address for a new classmate and uses it to send follower emails to other classmates is called:

- a. Cyberbullying
- b. Bullying
- c. Phishing
- d. Social Crime

28. What does BCC stand for when sending an email?

- a. Blind Copy of a Copy
- b. Blind Carbon Copy
- c. Blind Copy Carbon
- ~~d. Bulk Copy of a Copy~~

29. Which tag is used to define a hyperlink?

- a. <H1>
- b. <A>
- c. <hyperlink>
- d. <www>

30. Which tag is used to define a single line break?

- a.

- b. <slb>
- ~~c. <linebreak>~~
- d. <line>

31. What does AR stand for?

- a. Always Right
- b. Another Reality
- c. Augmented Reality
- d. Artificial Robots

32. Which is NOT an example of AI based assistant application?

- a. Microsoft Cortana
- b. Apple Siri
- c. Amazon Alexa
- d. Google Search

33. The following is the types of loops in C/C++, Except ...

- a. For
- b. While
- c. Do While
- d. Switch

34. Below is the correct way to declare a number variable of type integer in C/C++

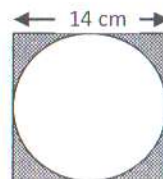
- a. x int;
- b. var x
- c. int x;
- d. \$x

35. Which option allows to select a single word in MS WORD?
- a. Triple click **b. Double Click**
 c. Ctrl key d. Single click
36. Which is the shortcut key to copy the text in MS Word?
- a. Ctrl + I b. Ctrl + U
c. Ctrl + C d. Ctrl + V
37. Which is an example of a formula in MS Excel?
- a. =A1+A2 b. add (A1:A2)
c. A1+A2 d. A1-A2
38. Which symbol must all formula begin with?
- a. =** b. +
 c. # d. @
39. Which of the following formulas includes an absolute cell reference in MS Excel?
- a. =A1/\$B\$25** b. =A1/B25
 c. =A1*#B#25 d. =Avg(A1:B25)
40. Which key on keyboard can be used to view slide show in presentation?
- a. F1 b. F2
c. F5 d. F10
41. Which of the following ordered pairs does not satisfy the equation $f(x) = x^3 - 1$?
- a. (0,-1)** b. (2,7)
c. (1,-1) d. (1,0)
42. For the sequence 5,9,13,....., the value of t_{10} is,
- a. 38 **b. 41**
 c. 42 d. 43
43. If $f(x) = \frac{1}{1-x}$ then $f\left(\frac{1}{2}\right)$ is
- a. -1** **b. 2**
 c. -2 d. none

44. Which of the following is the quotient when $x^2 - 2x + 1$ is divided by $x - 1$?
- a. x^2 b. x
c. $x + 1$ **d. $x - 1$**
45. The formula for the sum of first n natural numbers is
- a. $\frac{n+1}{2}$ **b. $\frac{n(n+1)}{2}$**
 c. $\frac{[n(n+1)]^2}{2}$ d. $a + (n-1)d$
46. The Geometric mean (GM) of 1 and 64 is
- a. 4 **b. 8**
 c. 16 d. 32
47. The point of intersection of two lines $x + y = 11$ and $y - x = -1$ is
- a. (5,6) b. (2,3)
c. (6,5) d. (3,2)
48. For any two nonempty matrices A and B which of the following is not true?
- a. $(A+B)^T = A^T + B^T$ b. $(KA)^T = KA^T$
 c. $(AB)^T = B^T \cdot A^T$ **d. $(A-B)^T = A^T + B^T$**
49. Which of the following gives the angle between two straight lines?
- a. $\tan \theta = \frac{m_1 - m_2}{1 + m_1 m_2}$** b. $\tan \theta = \frac{m_1 - m_2}{1 - m_1 m_2}$
 c. $\tan \theta = \frac{m_1 + m_2}{1 - m_1 m_2}$ d. $\tan \theta = \frac{m_1 m_2}{1 + m_1 m_2}$
50. The midpoint of a line joining two points $(-4, 7)$ and $(-4, -7)$ is
- a. (0,0) b. (0,7)
c. (-4,0) d. (4,0)
51. The rotation image of point (3,4) about origin with -90° is
- a. (3,-4) b. (3,4)
 c. (-3,-4) **d. (4,-3)**

52. The first quartile of 24, 42, 32, 88, 62, 92, 72 is
 a. 24 b. 32
 c. 42 d. 62
53. Which of the following relation is true for the set of real numbers?
 a. $Z \subset Q \subset N$ b. $N \subset Z \subset Q \subset R$
 c. $N \subset Q \subset Z$ d. $N \subset Z \subset Q \subset R$
54. If $\sqrt{3x+2} = \sqrt{29}$ then the value of x is
 a. 3 b. 9
 c. 18 d. 27
55. If $t_n = 0$ for a sequence 84, 78, 72, then the value of n is
 a. 14 b. 13
 c. 16 d. 15
56. For two equal roots of quadratic equation $ax^2 + bx + c = 0$, which of the following is true?
 a. equal roots if $b^2 - 4ac = 0$
 b. real different roots if $b^2 - 4ac > 0$
 c. imaginary roots if $b^2 - 4ac < 0$
 d. none of the above.
57. In matrix addition, if $2[3x] + [y-2] = [6-2]$ then the value of x and y is
 a. 0,0 b. 0,1
 c. 1,0 d. 1,1
58. If $\begin{vmatrix} x & x \\ 4 & 2x \end{vmatrix} = 0$ then the value of x is
 a. -1 or 1 b. 0 or 1
 c. 0 or 2 d. 2 or -2
59. Two straight lines with slopes m_1 and m_2 ; are parallel if
 a. $m_1 \cdot m_2 = -1$ b. $m_1 + m_2 = 1$
 c. $m_1 \cdot m_2 = 1$ d. $m_1 = m_2$

60. If the slope of two lines are same then they are
 a. parallel b. coincide
 c. collinear d. all of the above
61. Which of the following divides a set of data into two equal groups?
 a. Range b. Mean
 c. Mode d. Median
62. What will be the hypotenuse of a right angled triangle if its base is 24cm and height 7cm?
 a. 22cm b. 16 cm
 c. 25 cm d. 31 cm
63. A Tree of height 50 cm on the bank of river subtends an angle of 60° on the opposite side of bank. Then the width of the river is
 a. 28.86 m b. 29 m
 c. 28.50 m d. 28.25 m
64. What will be the area of shaded part of the given figure?



- a. 41 cm^2 b. 43 cm^2
 c. 42 cm^2 d. 45 cm^2
65. The probability of getting two heads when tossing two coins simultaneously is
 a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{2}{3}$
66. The opposite of 'opaque' is _____.
 a. transparent b. covered
 c. misty d. blur

67. The synonym of the word 'interim' is ____.
- a. internal b. timely
c. interval d. temporary
68. The correct question tags of 'Let's go to cafeteria and have a cup of tea' is.....?
- a. shan't we? b. shall we?
c. will you? d. do you?
69. She failed to get anyone to repair the taps for her at the weekend, ____ could she do it on her own.
- a. as b. nor c. only if d. so
70. He touched the wire ____ my warning.
- a. though b. despite of
 c. in spite of d. even though
71. Children are fond ____ chocolates and online games.
- a. for b. of c. with d. in
72. Whenever possible, I prefer keeping cats inside rather than letting them ____ outdoors.
- a. visit b. roam
c. taking a trip d. cuddle
73. I'd like to have a house of my own ____ I can invite my friends around whenever I want.
- a. in that b. into what
 c. to which d. which
74. I could score better on the test if the teacher ____ the mathematical equation once more.
- a. explains b. have explained
 c. explained d. had explained
75. My father wishes he ____ that phone because it usually has connectivity issues.
- a. bought b. didn't buy
 c. had bought d. hadn't bought
76. Dan asked me where I worked. His direct words were, " ____".
- a. Do you work there? b. Where do I work?
 c. Where do you work? d. Where I worked?
77. Which one is the correct?
- a. The herd of horses gallop wildly across the field.
 b. The herd of horses gallops wildly across the field.
c. The herd of horse gallop wildly across the field.
d. The herd of horse gallops wildly across the field.
78. Which of the following sentences is inappropriate?
- a. I understand what you want to say.
b. I can understand what you want to say.
c. I do understand what you want to say.
 d. I am understanding what you want to say.
79. The meaning of 'dire' is ____.
- a. dry b. unavoidable
c. unnoticed d. dreadful
80. She is so different from you, Claire. You ____.
- a. can't be her sister b. maybe her sister
c. can be her sister d. how can you be her sister
81. The system of education that includes a flexible curriculum and learning schedule according to the needs of the learner. This system of education is known as a:
- a. formal system b. informal system
 c. non-formal system d. semi-formal system
82. Which of the following statement provides wider meaning of education?
- a. Education is process of formal learning
b. Education is process of skill learning
c. Education is a process of acquiring qualification
 d. Education is a life-long process of learning

83. How education contributes to national development?
- a. Developing human resource
 - b. Emphasizing personality development
 - c. Creating national integration
 - d. Cultivating social values
84. Which of the following is an indicator of economic development?
- a. Improvement in health
 - b. Increment in job opportunity
 - c. Control in population growth
 - d. Cultivating social values
85. The chief function of teacher is.....
- a. to teach required content
 - b. to discipline the learner
 - c. to judge the process
 - d. to create learning environment
86. Which of the following education commission had suggested integrating all educational institutions under the National Education Committee?
- a. Nepal National Education Planning commission
 - b. All round National Education committee
 - c. National Education System Plan
 - d. National Education Planning Commission
87. Which of the following is recent structure of school education in Nepal?
- a. 3+4+2
 - b. 8+4
 - c. 8+2+2
 - d. 5+3+2
88. Which of the following statement signifies the meaning of society?
- a. Society is a group of people
 - b. Society is a specific geographical area
 - c. Society is an organized form of people
 - d. Society is a particular group of people

89. Which of the following is most effective agency for developing social abilities in children?
- a. School and college
 - b. Social organizations
 - c. Political groups
 - d. Peer group
90. Which of the following statements is associated with equity in education?
- a. Opportunity of education through positive discrimination
 - b. Equal right to education without any discrimination
 - c. Equal opportunity to education without any discrimination
 - d. Equal access in education without any discrimination
91. Which of the following is the wider view of curriculum?
- a. Course of study
 - b. Learning contents
 - c. Syllabus
 - d. Overall plan of learning
92. Which of the following is a sequence of curricular elements?
- a. Contents, objectives, methods, evaluation
 - b. Objectives, contents, methods, evaluation
 - c. Objectives, methods, contents, evaluation
 - d. Contents, methods, objectives, evaluation
93. A teacher is constructing test items based on the specification chart. The teacher is considering the..... of the test.
- a. Content validity
 - b. Construct validity
 - c. Criterion validity
 - d. Predictive validity
94. The main focus of the formative evaluation is.....
- a. to make a decision
 - b. to analyze ability
 - c. to assess the process
 - d. to upgrade
95. Which branch of philosophy studies about nature of knowledge?
- a. Metaphysics
 - b. Epistemology
 - c. Axiology
 - d. Logic
96. What is the etymological meaning of the *Veda*?
- a. To feel
 - b. To create
 - c. To grow
 - d. To know

97. According to Vedic philosophy the term *Dharma* implies to
- a. religious belief
 - b. engage in ethical duty
 - c. obligation of tradition
 - d. spiritual perfection
98. Which philosophical school believes that the ultimate goal of education is reconstruction and reorganization of experiences?
- a. Idealism
 - b. Realism
 - c. Buddhism
 - d. Progressivism
99. Which educational philosophy gives more emphasis to "Negative education" for children?
- a. Naturalism
 - b. Pragmatism
 - c. Idealism
 - d. Existentialism
100. Which of the following education system emphasizes to acquire knowledge adopting "Eight Fold Nobel Path"?
- a. Vedic education system
 - b. Islamic education system
 - c. Buddhist education system
 - d. Idealistic education system



Tribhuvan University
Faculty of Education
Bachelor in Education, Entrance Examination
Answer Sheet

Date:.....

Exam Center:..... Admit Campus:.....

Subject: Roll No.:

Complete mark the letter corresponding to the right answer of each question

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
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21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D
26	A	B	C	D
27	A	B	C	D
28	A	B	C	D
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31	A	B	C	D
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39	A	B	C	D
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42	A	B	C	D
43	A	B	C	D
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45	A	B	C	D
46	A	B	C	D
47	A	B	C	D
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91	A	B	C	D
92	A	B	C	D
93	A	B	C	D
94	A	B	C	D
95	A	B	C	D
96	A	B	C	D
97	A	B	C	D
98	A	B	C	D
99	A	B	C	D
100	A	B	C	D

Marks Obtained In words:

Marks Obtained:

Signature of Examiner: