

Tribhuvan University

Faculty of Education

Entrance Test 2073

Level: Bachelor Degree

Time: 1½ hrs

Subject: Information Communication and Technology Education

Tick (✓) the best answers in your answer sheet

1. Which of the following is the example of formative evaluation?

- | | |
|-----------------------|------------------|
| a. Final examination | b. Unit test |
| c. S.L.C. examination | d. Entrance test |

2. What is the most important input of education?

- | | |
|------------|-------------|
| a. Parents | b. Teachers |
| c. Society | d. Students |

3. If a teacher teaches more than two grades at a time in the same room, the instructional organization is known as

- | | |
|-------------------------|------------------------|
| a. Subject teaching | b. Grade teaching |
| c. Multi-grade teaching | d. Non-graded teaching |

4. What is the structure of present school education system in Nepal?

- | | |
|------------------|--------------|
| a. 5 + 3 + 2 + 2 | b. 5 + 5 + 2 |
| c. 8 + 4 | d. 5 + 3 + 4 |

5. Preprimary school age is basically considered with

- | | |
|--------------------|-------------------|
| a. Infancy | b. Babyhood |
| c. Early childhood | d. Late childhood |

6. The most appropriate pedagogy to be used in a single teacher primary school is:

- | | |
|---------------------|-------------------------|
| a. Grade teaching | b. Mixed teaching |
| c. Subject teaching | d. Multi-grade teaching |

7. Which of the following is the main aim of education?

- | | |
|------------------------|---------------------------------|
| a. To develop skills | b. To develop Knowledge |
| c. To develop attitude | d. To bring changes in behavior |

8. Which of the following is considered as the agency of education?

- | | |
|--------------------------|-----------------------------|
| a. Education policies | b. Education administration |
| c. Politics in education | d. Community |

9. Maria Montessori is a famous scholar in the field of

- | | |
|----------------------|-------------------------------|
| a. Higher education | b. Higher secondary education |
| c. Primary education | d. pre-primary education |

10. A student who leaves school before completing an academic year is known as

- | | |
|-----------|----------------|
| a. Failed | b. Transferred |
| c. Absent | d. Dropout |

11. The tri-polar process in education includes

- | |
|---------------------------------|
| a. teacher, student and method |
| b. teacher, student and society |
| c. teacher student and textbook |
| d. textbook, content and method |

12. Which education is truly a lifelong education?

- | | |
|---------------|-------------|
| a. Formal | b. Informal |
| c. Non-formal | d. Tertiary |

13. The basic purpose of internal evaluation in education is

- | |
|---|
| a. To establish a better teacher student relationship |
| b. To help students prepare for examination |
| c. To make use of evaluation tools |
| d. To provide regular feedback to students and teachers |

14. A child takes first lesson of the life from his/her

- | | |
|-----------|------------|
| a. Father | b. Mother |
| c. Peers | d. Teacher |

15. Which of the following higher education institution was establish first in Nepal?

- | | |
|-----------------------|------------------------|
| a. Trichandra College | b. Padma Kanya College |
| c. National College | d. Durbar College |

16. Which of the following is expressed in behavioral terms?

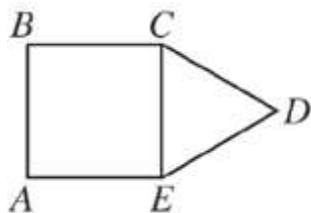
- | |
|---|
| a. To know the definition of curriculum |
| b. To draw the diagram of a frog |
| c. To learn the poems of Laxmi Prasad Devkota |
| d. To understand the meaning of philosophy |

17. Which organization is responsible for training of manpower or school teachers in education?
- Higher Secondary Education Board (HSEB)
 - Department of Education (DOE)
 - National Centre for Educational Development (NCED)
 - Curriculum Development Centre (CDC)
18. Which one is the good quality of a teacher?
- Autocratic
 - Democratic
 - Critical
 - Laissez faire
19. If a teacher corrects the learning of students and gives suggestions for improvement, it is an example of
- Practice
 - Feedback
 - Transfer
 - Motivation
20. Which of the following factor/s affect/s individual differences of a child?
- Heredity factor
 - Environmental factor
 - Heredity and environmental factor
 - Emotional factor
21. Which of the following evaluation tool is used to evaluate student's performance in any event?
- Rating scale
 - Check list
 - Questionnaire
 - Anecdotal Record
22. Which one of the following is the lowest level of cognitive domain according to Bloom's Taxonomy of educational objectives?
- Comprehension
 - Analysis
 - Knowledge
 - Evaluation
23. Question-answer method of instruction comes under
- Student initiated method
 - Material focused method
 - Interactive method
 - Teacher centered method
24. What are the three major conditions for learning according to Operant Conditioning Theory
- Reinforcement, contiguity and practice
 - Motivation, reinforcement and feedback
 - Generalization, contiguity and motivation
 - Generalization, practice and feedback
25. "Horse riding does not have any effect in driving a motorbike." Which type of transfer of learning is this?
- Positive transfer
 - Negative transfer
 - Zero transfer
 - Formal transfer
26. What is computer?
- electronic device
 - machine
 - data
 - device
27. Who is also known as Father of Computer?
- Vint Cerf
 - Tim Berner Lee
 - Charles Babbage
 - Steve Jobs
28. Which device is required for the Internet connection?
- Mouse
 - NIC Card
 - CD
 - Pen drive
29. Which is input device?
- monitor
 - mouse
 - printer
 - Hard disk
30. BIOS means:
- Basic Input output system
 - Basic Input of system
 - Beginner system
 - Batch system
31. CD-ROM stands for:
- Compactable Read Only Memory
 - Compactable Disk Read Memory
 - Compact Data Read Only Memory
 - Compact Disk Read Only Memory
32. ALU is:
- Arithmetic Logic Unit
 - Application Logic Unit
 - Array Logic Unit
 - Apply Logic Unit

33. VGA is:
- Video Graphic Array
 - Volatile Graphics Array
 - Visual Graphics Array
 - Video Graphics Adapter
34. CPU stand for:
- Central processing Unit
 - Central pre-unit
 - central parallel system
 - central print system
35. What is window 10?
- Malware
 - Operating System
 - Application
 - Firmware
36. Which of the following is NOT an input device?
- Speaker
 - Keyboard
 - Joystick
 - Microphone
37. What does RAM stand for?
- Remote Authorization Mechanism
 - Random Access Memory
 - Readily Accessed Mailer
 - Random Authorization Mechanism
38. Which of the following is NOT a binary number?
- 001
 - 011
 - 77
 - 110
39. Which of the following does NOT store data permanently?
- ROM
 - RAM
 - Floppy Disk
 - Hard Disk
40. How many bit is in 1 byte?
- 8 bit
 - 4 bit
 - 16 bit
 - 1024 bit
41. Which of the following is photo editing software?
- Linux
 - Word
 - Excel
 - Photoshop
42. USB stands for:
- United Serial Bus
 - Universal System Bus
 - Universal Serial By-Pass
 - Universal Serial Bus
43. Where is HTML used?
- web page
 - System
 - Temp
 - Bookmark
44. Which of the following performs modulation and demodulation?
- fiber optics
 - satellite
 - coaxial cable
 - modem
45. How many bits length in IPV4?
- 32
 - 64
 - 48
 - 24
46. Which of the following is NOT an example of protocol?
- FTP
 - POP3
 - HTTP
 - Tablet
47. Which is NOT a top level domain name extension?
- .edu
 - .org
 - .com
 - .np
48. What does HTML stand for?
- Hyperlink Text Marking Language
 - Hyper Textual Mark-up Lingo
 - Hyper Text Mark-up Language
 - Hyper Textual Mark-up Logo
49. What type of virus uses computer hosts to reproduce itself?
- Time bomb
 - Worm
 - Melissa virus
 - Macro virus
50. Facebook is an example of:
- Social media
 - Networking software
 - Operating system
 - Learning site
51. NTC is:
- ISP
 - Telecom
 - Data Service Provider
 - All of the above
52. Which is Not Mobile brand?
- Samsung
 - iphone
 - Microsoft
 - Nokia
53. Which of the following computer generation uses Micro processor?
- Fifth Generation
 - Second Generation
 - Third Generation
 - Fourth Generation

54. What type of memory is volatile?
a. Flash b. RAM
c. ROM d. Hard Drive
55. Hard disk size measured in:
a. MHz b. Mbps
c. Gigabytes d. 52X
56. Which of these is a NOT a computer manufacturer?
a. IBM b. Apple
c. Sun d. Microsoft
57. DOS stands for:
a. Dual Operating System b. Disk Organized System
c. Dual Organized System d. Disk Operating System
58. Which of the following device requires to hear music on your computer?
a. Video Card b. Mouse
c. Sound Card d. Joy Stick
59. Which is the increasing order of measurement unit?
a. bit, byte, MegaByte, Gigabyte, Terabyte
b. byte, bit, Gigabyte, Terabyte, MegaByte
c. bit, byte, megabit, megabyte, gigabit, gigabyte
d. terabyte, gigabyte, megabyte, bit, byte
60. Which is word processing software?
a. MS word b. Excel
c. PowerPoint d. Paint
61. When you remove some information from a file or from the disk, it is:
a. Save b. Edit
c. Delete d. Remove
62. URL stands for:
a. Universal Resource Locator b. Uniform Radio Locator
c. Uniform Resource Locator d. Unite Resource Locator
63. Mozilla Firefox is.....
a. Browser b. Editor
c. Operating System d. Plugin
64. ADSL is the abbreviation of.....
a. Asymmetric Digital System Line
b. Asymmetric Digital Subscriber Line
c. Asymmetric Dual Subscriber Line
d. Asymmetric Dual System Line
65. What is the full form of WWW?
a. Wide World Web b. Web World Wide
c. World Wide Web d. Web Wide Wave
66. LCD used in:
a. Display b. Print
c. Process d. Capture
67. Outlook is the example of
a. E-mail b. Chatting
c. Newsgroups d. M-commerce
68. info@tu.edu.np is the example offormat.
a. email b. website
c. URL d. domain name
69. What is correct name cyber law in Nepal?
a. Electronic Transaction Act 2063 b. IT Policy 2072
c. Cyber Law 2063 d. Procurement Act 2063
70. Which is not the cyber crime?
a. Cyber Bulling b. Hacking
c. Password theft d. Book publishing
71. AC and DC used in:
a. power supply b. Data transfer
c. Internet connection d. Bandwidth
72. 3G and 4G used in:
a. Mobile Technology b. Display Technology
c. Storage method d. Print technology
73. Sell and Buy product online is called:
a. e-Commerce b. E-Government
c. e-Buy d. e-Transaction

74. Viber is a :
- a. Business Tool b. Communication Tool
c. Database Application d. New media
75. Which of the following device is used to scan the document?
- a. Scanner b. Printer
c. Plotter d. Tester
76. If $f(x) = |x^2 - 50|$, what is the value of $f(-5)$?
- a. 75 b. 25
c. 0 d. -25
77. The average arithmetic mean of 6, 19, and x is 19. What is the value of x ?
- a. 19 b. 25
c. 31 d. 32
78. What is the next number in the series: 1, 4, 9, ?
- a. 27 b. 16
c. 20 d. 25
79. If $2mk = 6$, then $mk =$
- a. 3 b. 6
c. 12 d. 9
80. In the following figure, CDE is an equilateral triangle and ABCE is a square with an area of 1. What is the perimeter of polygon ABCDE ?



- a. 4 b. 5
c. 6 d. 7
81. If x and y are positive integers, what are all the solutions of x, y for the equation $3x + 2y = 11$?
- a. 1, 4 only b. 3, 1 only
c. 1, 4 and 2, 2 d. 1, 4 and 3, 1

82. If $x^2 - 36 = 0$, which of the following could be a value of x?
- a. 6 b. 4
c. 0 d. 3
83. The length of a rectangular rug is 2 feet more than its width. If the length of the rug is 8 feet, what is the area of the rug in square feet?
- a. 16 b. 48
c. 66 d. 80
84. Which of the following is divisible by 3 and by 5 but is not divisible by 10?
- a. 30 b. 35
c. 40 d. 45
85. If the sum of the roots is 5 and their product is 6 then the quadratic equation is
- a. $x^2 + 5x + 6 = 0$ b. $x^2 - 5x + 6 = 0$
c. $x^2 - 6x + 5 = 0$ d. $x^2 + 6x + 5 = 0$
86. The circumference of the circular base of a cylinder is 44cm and its height is 10cm. Find the volume of the cylinder.
- a. 1504 cm^3 b. 4150 cm^3
c. 1450 cm^3 d. 1540 cm^3
87. Equation of line parallel to x-axis is:.....
- a. $y = c$ b. $x = y$
c. $y = 3x$ d. $x = c$
88. y-intercept of $3x - y - 15 = 0$ is
- a. 3 b. -3
c. 15 d. -15
89. The graph of $x^2 + y^2 = 1$ is
- a. circle b. parabola
c. straight line d. hyperbola
90. The value of $\lim_{n \rightarrow \infty} \frac{1}{3n}$
- a. 1 b. 0
c. $1/3$ d. ∞

91. What is the sum of the series $1+2+3+\dots+10$.
- a. 50 b. 55
c. 65 d. 45
92. What is the next number in the sequence: 1, 8, 27,?
- a. 36 b. 64
c. 49 d. 20
93. If $r = 5t$ and $t = 2$, what is the value of $2r$?
- a. 2 b. 4
c. 6 d. 20
94. A set S has 3 elements, how many all possible subset of S can be made?
- a. 3 b. 6
c. 8 d. 9
95. What is the sum of infinite geometric series whose first term is 1 and common ratio is $\frac{1}{2}$?
- a. 2 b. $\frac{3}{2}$
c. 0 d. ∞
96. In a triangle ABC angle $B=90$, if $AB=6$, $AC =10$ what is the value of BC ?
- a. 8 b. 12
c. 15 d. 7
97. If the ratios $6:10$ and $x:9$ are in inverse proportional, what is the value of x ?
- a. 12 b. 16
c. 18 d. 15
98. Equation of y-axis is:
- a. $x = 0$ b. $y = 0$
c. $x = y$ d. $x = 1$
99. Which of the following equation represents a line perpendicular to $y=3x+2$?
- a. $y = 5x+3$ b. $y = -3x+2$
c. $3y = 3-x$ d. $y = 2x-3$
100. Equation of line parallel to y-axis is:
- a. $y = c$ b. $x = y$
c. $y = 3x$ d. $x = c$