Tribhuvan University
Faculty of Education
Re-Entrance Test 2073

Level: Bachelor Degree   Time: 1½ hrs

Subject: Information Communication and Technology Education

Tick (√) the best answers in your answer sheet

1. 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

2. Which of the following is the example of formative evaluation?
   a. Final examination   b. Unit test
   c. S.L.C. examination   d. Entrance test

3. What is the most important input of education?
   a. Parents   b. Teachers
   c. Society   d. Students

4. Which of the following is considered as the agency of education?
   a. Education policies   b. Education administration
   c. Politics in education   d. Community

5. 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

6. Preprimary school age is basically considered with
   a. Infancy   b. Babyhood
   c. Early childhood   d. Late childhood

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. Maria Montessori is a famous scholar in the field of
   a. Higher education   b. Higher secondary education
   c. Primary education   d. pre-primary education
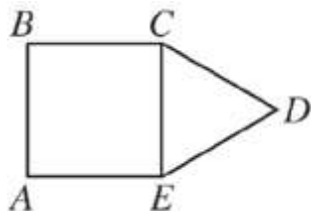
9. A student who leaves school before completing an academic year is known as
   a. Failed   b. Transferred
   c. Absent   d. Dropout

10. 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

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. 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

15. Which one is the good quality of a teacher?
    a. Autocratic   b. Democratic
    c. Critical   d. Laissez faire

16. A child takes first lesson of the life from his/her
    a. Father   b. Mother
    c. Peers   d. Teacher

17. What are the three major conditions for learning according to Operant Conditioning Theory
    a. Reinforcement, contiguity and practice
    b. Motivation, reinforcement and feedback
    c. Generalization, contiguity and motivation
    d. Generalization, practice and feedback

18. If a teacher corrects the learning of students and gives suggestions for improvement, it is an example of
    a. Practice   b. Feedback
    c Transfer   d. Motivation

19. 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

20. "Horse riding does not have any effect in driving a motorbike." Which type of transfer of learning is this?
    a. Positive transfer   b. Negative transfer
    c. Zero transfer   d. Formal transfer

21. Which of the following factor/s affect/s individual differences of a child?
    a. Heredity factor
    b. Environmental factor
    c. Heredity and environmental factor
    d. Emotional factor

22. Which organization is responsible for training of manpower or school teachers in education?
    a. Higher Secondary Education Board (HSEB)
    b. Department of Education (DOE)
    c. National Centre for Educational Development (NCED)
    d. Curriculum Development Centre (CDC)

23. Which one of the following is the lowest level of cognitive domain according to Bloom's Taxonomy of educational objectives?
    a. Comprehension   b. Analysis

    c. Knowledge   d. Evaluation

24. Which of the following evaluation tool is used to evaluate student's performance in any event?
    a. Rating scale
    b. Check list
    c. Questionnaire
    d. Anecdotal Record

25. Question-answer method of instruction comes under
    a. Student initiated method   b. Material focused method
    c. Interactive method   d. Teacher centered method

26. Who is also known as Father of Computer?
    a. Vint Cerf   b. Tim Berner Lee
    c. Charles Babbage   d. Steve Jobs

27. Which device is required for the Internet connection?
    a. Mouse   b. NIC Card
    c. CD   d. Pen drive

28. USB stands for:
    a. United Serial Bus   b. Universal System Bus
    c. Universal Serial By-Pass   d. Universal Serial Bus

29. What is computer?
    a. electronic device   b. machine
    c. data   d. device

30. BIOS means:
    a. Basic Input output system   b. Basic Input of system
    c. Beginner system   d. Batch system

31. ALU is:
    a. Arithmetic Logic Unit   c. Application Logic Unit
    c. Array Logic Unit   d. Apply Logic Unit

32. VGA is:
    a. Video Graphic Array   b. Volatile Graphics Array
    c. Visual Graphics Array   d. Video Graphics Adapter

33. Which of the following does NOT store data permanently?
    a. ROM   b. RAM
    c. Floppy Disk   d. Hard Disk

34. CPU stand for:
    a. Central processing Unit   b. Central pre-unit
    c. central parallel system   d. central print system

35. Which is input device?
    a. monitor   b. mouse
    c. printer   d. Hard disk

36. What is window 10?
    a. Malware   b. Operating System
    c. Application   d. Firmware

37. Which of the following is NOT an input device?
    a. Speaker   b. Keyboard
    c. Joystick   d. Microphone

38. Which of the following is NOT a binary number?
    a. 001   b. 011
    c. 77   d. 110

39. How many bit is in 1 byte?
    a. 8 bit   b. 4 bit
    c. 16 bit   d. 1024 bit

40. Which of the following is photo editing software?
    a. Linux   b. Word
    c. Excel   d. Photoshop

41. Which of the following is NOT an example of protocol?
    a. FTP   b. POP3
    c. HTTP   d. Tablet

42. Where is HTML used?
    a. web page   b. System
    c. Temp   d. Bookmark

43. How many bits length in IPV4?
    a. 32   b. 64
    c. 48   d. 24

44. Which is NOT a top level domain name extension?
    a. .edu   b. .org
    c. .com   d. .np

45. DOS stands for:
    a. Dual Operating System   b. Disk Organized System
    c. Dual Organized System   d. Disk Operating System

46. What does RAM stand for?
    a. Remote Authorization Mechanism
    b. Random Access Memory
    c. Readily Accessed Mailer
    d. Random Authorization Mechanism

47. info@tu.edu.np is the example of …………………format.
    a. email   b. website
    c. URL   d. domain name

48. What does HTML stand for?
    a. Hyperlink Text Marking Language
    b. Hyper Textual Mark-up Lingo
    c. Hyper Text Mark-up Language
    d. Hyper Textual Mark-up Logo

49. Which is Not Mobile brand?
    a. Samsung   b. iphone
    c. Microsoft   d. Nokia

50. CD-ROM stands for:
    a. Compactable Read Only Memory
    b. Compactable Disk Read Memory
    c. Compact Data Read Only Memory
    d. Compact Disk Read Only Memory

51. Facebook is an example of:
    a. Social media   b. Networking software
    c. Operating system   d. Learning site

52. NTC is:
    a. ISP   b. Telecom
    c. Data Service Provider   d. All of the above

53. Hard disk size measured in:
    a. MHz   b. Mbps
    c. Gigabytes   d. 52X

54. Which of the following computer generation uses Micro processor?
    a. Fifth Generation   b. Second Generation
    c. Third Generation   d. Fourth Generation
55. URL stands for:
    a. Universal Resource Locator b. Uniform Radio Locator
    c. Uniform Resource Locator   d. Unite Resource Locator
56. What type of memory is volatile?
    a. Flash   b. RAM
    c. ROM   d. Hard Drive
57. Which of the following performs modulation and demodulation?
    a. fiber optics   b. satellite
    c. coaxial cable   d. modem
58. Which of these is a NOT a computer manufacturer?
    a. IBM   b. Apple
    c. Sun   d. Microsoft
59. What type of virus uses computer hosts to reproduce itself?
    a. Time bomb   b. Worm
    c. Melissa virus   d. Macro virus
60. Which of the following device requires to hear music on your computer?
    a. Video Card   b. Mouse
    c. Sound Card   d. Joy Stick
61. 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
62. Which is word processing software?
    a. MS word   b. Excel
    c. PowerPoint   d. Paint
63. When you remove some information from a file or from the disk, it is:
    a. Save   b. Edit
    c. Delete   d. Remove

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. Mozilla Firefox is………………….
    a. Browser   b. Editor
    c. Operating System   d. Plugin
67. LCD used in:
    a. Display   b. Print
    c. Process   d. Capture
68. 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
69. Viber is a :
    a. Business Tool   b. Communication Tool
    c. Database Application   d. New media
70. 3G and 4G used in:
    a. Mobile Technology   b. Display Technology
    c. Storage method   d. Print technology
71. AC and DC used in:
    a. power supply   b. Data transfer
    c. Internet connection   d. Bandwidth
72. Outlook is the example of …………..
    a. E-mail   b. Chatting
    c. Newsgroups   d. M-commerce
73. Sell and Buy product online is called:
    a. e-Commerce   b. E-Government
    c. e-Buy   d. e-Transaction

74. Which is not the cyber crime?
    a. Cyber Bulling
    b. Hacking
    c. Password theft
    d. Book publishing

75. Which of the following device is used to scan the document?
    a. Scanner
    b. Printer
    c. Plotter
    d. Tester

76. Equation of line parallel to x-axis is:………
    a. $y = c$
    b. $x = y$
    c. $y = 3x$
    d. $x = c$

77. If f(x) = $\left| x^2 - 50 \right|$, what is the value of f(-5) ?
    a. 75
    b. 25
    c. 0
    d. -25

78. 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

79. 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

80. If 2mk = 6, then mk =
    a. 3
    b. 6
    c. 12
    d. 9

81. 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

82. What is the next number in the sequence: 1, 8, 27,?
    a. 36
    b. 64
    c. 49
    d. 20

83. 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

84. If the sum of the roots is 5 and their product is 6 then the quadratic equation is
    a. x2+5x+6=0
    b. x2-5x+6=0
    c. x2-6x+5=0
    d. x2+6x+5=0

85. 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

86. What is the next number in the series: 1, 4 , 9, ?
    a. 27
    b. 16
    c. 20
    d. 25

87. y-intercept of 3x-y-15=0 is …………
    a. 3
    b. -3
    c. 15
    d. -15

88. 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 cm3

89. The graph of x^2+y^2 =1 is ……………
    a. circle
    b. parabola
    c. straight line
    d. hyperbola

90. What is the sum of the series 1+2+3+……….+10.
    a. 50
    b. 55
    c. 65
    d. 45

91. If r = 5t and t = 2, what is the value of 2r?
   a. 2   b. 4
   c. 6   d. 20

92. 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

93. A set S has 3 elements, how many all possible subset of S can be made?
   a. 3   b. 6
   c. 8   d. 9

94. What is the sum of infinite geometric series whose first term is 1 and common ration is ½ ?
   a. 2   b. 3/2
   c. 0   d. ∞

95. 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

96. The value of $\lim_{n \to \infty} \frac{1}{3n}$ ……………..
   a. 1   b. 0
   c. 1/3   d. ∞

97. Equation of y-axis is:
   a. x = 0   b. y = 0
   c. x = y   d. x = 1

98. 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

99. If x^2 - 36 = 0, which of the following could be a value of x?
   a. 6   b. 4
   c. 0   d. 3

100. Equation of line parallel to y-axis is:
   a. y = c   b. x = y
   c. y = 3x   d. x = c