MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF

COMPUTER OPERATOR (CONTRACT)
UNDER MIZORAM INFORMATION COMMISSION, MARCH, 2016

PAPER - I

Time Allowed : 2 hours   Full Marks : 150

Attempt all questions.

All questions carry equal marks of 2 each.

1. In analog computer
    (a) Input is first converted to digital form   (b) Input is never converted to digital form
    (c) Output is displayed in digital form   (d) None of these

2. Which of the following computer generation uses the concept of artificial intelligence?
    (a) First Generation   (b) Second Generation
    (c) Third Generation   (d) Fourth Generation

3. Main component of first generation computer was
    (a) Transistors   (b) Vacuum Tubes and Valves
    (c) Integrated Circuits   (d) None of these

4. The section of the CPU that is responsible for performing mathematical operations
    (a) Memory   (b) Register Unit
    (c) Control Unit   (d) ALU

5. CPU consists of
    (a) ALU+CU   (b) ROM+ALU
    (c) RAM+ROM   (d) None of these

6. Information retrieval is faster from
    (a) Floppy disk   (b) Magnetic tape
    (c) Hard disk   (d) None of these

7. The memory location address are limited to a range of values from
    (a) 00000 to 9ffff(16)   (b) 00001 to 9ffff(16)
    (c) 00010 to 9ffff(16)   (d) 10000 to 9ffff(16)

8. Result of logical operation is
    (a) Boolean   (b) Integer
    (c) Character   (d) String

9. Register is a group of
    (a) OR gates   (b) OR & AND gate
    (c) Flip-flops   (d) None of these

10. The address bus flow in
    (a) Bidirection   (b) Unidirection
    (c) Mulidirection   (d) Circular

11. Status register is also called as

    (a) Accumulator   (b) Stack

    (c) Counter   (d) Flags

12. The difference between memory and storage is that the memory is _____ and storage is _____.

    (a) Temporary, permanent   (b) Permanent, temporary

    (c) Slow, fast   (d) None of these

13. _____ is Volatile Memory

    (a) ROM   (b) EPROME

    (c) RAM   (d) None of these

14. EEPROM stands for

    (a) Electrically Erasable Programmable Read Only Memory

    (b) Easily Erasable Programmable Read Only Memory

    (c) Electronic Erasable Programmable Read Only Memory

    (d) None of these

15. What characteristic of RAM memory makes it not suitable for permanent storage?

    (a) too slow   (b) unreliable

    (c) it is volatile   (d) too bulky

16. The average time required to reach a storage location in memory and obtain its contents is called the

    (a) seek time   (b) turnaround time

    (c) access time   (d) transfer time

17. The idea of cache memory is based

    (a) on the property of locality of reference

    (b) on the heuristic 90-10 rule

    (c) on the fact that references generally tend to cluster

    (d) all of the above

18. Cache memory acts between

    (a) CPU and RAM   (b) RAM and ROM

    (c) CPU and Hard Disk   (d) None of these

19. Generally Dynamic RAM is used as main memory in a computer system as it

    (a) consumes less power   (b) has higher speed

    (c) has lower cell density   (d) needs refreshing circuitary

20. If the main memory is of 8K bytes and the cache memory is of 2K words. It uses associative mapping. Then each word of cache memory shall be

    (a) 11 bits   (b) 21 bits

    (c) 16 bits   (d) 20 bits

21. The communication between the components in a microcomputer takes place via the address and

    (a) I/O bus   (b) Data bus

    (c) Address bus   (d) Control lines

22. The maximum addressing capacity of a micro processor which uses 16 bit database and 32 bit address base is

    (a) 64 K   (b) 4 GB

    (c) both (a) & (b)   (d) None of these

23. The major goal of requirement determination phase of information system development is to

    (a) determine whether information is needed by an organisation

    (b) determine what information is needed by an organisation

    (c) determine how information needed by an organisation can be provided

    (d) determine when information is to be given

24. The main objective of system modification is to

    (a) use the latest software tools
    (b) meet the user's new/changed needs

    (c) use the latest hardware
    (d) have the most modern system

25. _____ is computer software designed to operate the computer hardware and to provide platform for running application software

    (a) Application software
    (b) System software

    (c) Software
    (d) Utility software

26. What is Data and Information?

    (a) Raw facts and figures that has no meaning processed via a set of instructions and meaning attached to data letters, pictures, symbols or sounds

    (b) Raw information and meaningful data

    (c) Symbols, pictures or sounds

    (d) All of these

27. The tool used to convert a 'C' program to machine language is called as

    (a) Linker
    (b) Language translator

    (c) Compiler
    (d) Preprocessor

28. Find the output of the following program:

```
#include<stdio.h>
#include<conio.h>
void main()
{
   int i=4;
   clrscr();
   printf("%d",i);
   printf("\n%d",i--);
   printf("\n%d",--i);
   getch();
}
```

    (a) 4 4 2
    (b) 4 4 3

    (c) 4 4 4
    (d) 4 3 2

29. In Java, which component is machine dependent?

    (a) Java Source File
    (b) Java Class / (Byte code) File

    (c) Java Virtual Machine (JVM)
    (d) All of these

30. Which of the following is NOT a key component of object oriented programming?

    (a) Inheritance
    (b) Encapsulation

    (c) Polymorphism
    (d) Parallelism

31. What type of computers are client computers (most of the time) in a client-server system?

    (a) Mainframe   (b) Mini-computer

    (c) Microcomputer   (d) PDA

32. The term 'Intellectual Property Rights' covers

    (a) Copyrights   (b) Know-how

    (c) Trade dress   (d) All of these

33. The primary purpose of an operating system is to

    (a) make the most efficient use of the computer hardware

    (b) allow people to use the computer

    (c) keep systems programmers employed

    (d) make computers easier to use

34. Which command is used to see the sub-directory structure of drive?

    (a) Tree   (b) List

    (c) Subdir   (d) Subtree

35. Which DOS command is used to see the contents of a file?

    (a) Type   (b) Copy

    (c) Ed   (d) None of these

36. Which DOS command displays only file and directory names without size, date and time information?

    (a) Dir/w   (b) Dir a:

    (c) Dir /b   (d) Dir /s

37. Which DOS command should be used to display all files within the specified subordinate directory of the subdirectory?

    (a) Dir \pathname   (b) Dir \pathname\pathname

    (c) Dir /ch   (d) Dir \pathname\filename

38. Which DOS command creates a directory or subdirectory?

    (a) Dir   (b) Mkdir

    (c) Md   (d) Both (b) and (c)

39. Which command is used to delete the directory that is empty?

    (a) Del *.*   (b) RD

    (c) Erase   (d) MD

40. A system program that sets up an executable program in main memory ready for execution is

    (a) Assembler   (b) Linker

    (c) Loader   (d) Compiler

41. Which of the following are loaded into main memory when the computer is booted?

    (a) internal command instructions   (b) external command instructions

    (c) utility programs   (d) word processing instructions

42. Fragmentation of the file system

    (a) can always be prevented   (b) can be temporarily removed by compaction

    (c) is a characteristic of all file systems   (d) None of these

43. When you start up the computer the boot up storage at which the BIOS versions manufacturer and data are displayed on the monitor is called

    (a) Bootstrap
    (b) Power on self test (POST)
    (c) System configuration
    (d) Kernel loading

44. Which of the following is not a multitasking operating system?

    (a) DOS
    (b) Windows
    (c) Unix
    (d) Linux

45. What type of software would you need to create an invitation to your birthday party?

    (a) Spreadsheet
    (b) Database
    (c) Word processing
    (d) Desktop publishing

46. In MS Word, the key F12 opens a

    (a) Save As dialog box
    (b) Open dialog box
    (c) Save dialog box
    (d) Close dialog box

47. Portrait and Landscape are

    (a) Page Orientation
    (b) Paper Size
    (c) Page Layout
    (d) All of above

48. Which of the following is not a font style?

    (a) Bold
    (b) Italics
    (c) Regular
    (d) Superscript

49. Which of the following is not essential component to perform a mail merge operation in MS Word?

    (a) Main document
    (b) Data source
    (c) Merge fields
    (d) Word fields

50. Small squares, called _____, on the selection rectangle that surrounds a graphic can be used to change the dimensions of the graphic.

    (a) scroll boxes
    (b) sizing handles
    (c) status indicators
    (d) move handles

51. The minimum number of rows and columns in MS Word document is

    (a) 1 and 1
    (b) 2 and 1
    (c) 1 and 2
    (d) 2 and 2

52. MS-Word automatically moves the text to the next line when it reaches the right edge of the screen, this is called

    (a) Carriage Return
    (b) Enter
    (c) Word Wrap
    (d) None of these

53. Thesaurus tool in MS Word is used for

    (a) Deletion
    (b) Synonyms and Antonyms words
    (c) Grammar options
    (d) All of above

54. To autofit the width of column in MS Word

    (a) Double click the left border of column
    (b) Double click the right border of column
    (c) Double click the column header
    (d) All of these

55. AutoCorrect was originally designed to replace _____ words as you type.

    (a) Grammatically incorrect
    (b) Sentence incorrect
    (c) Misspelled
    (d) None of these

56. The Word Count command on the Tools menu displays the number of words as well as the number of _____ in the current document.

    (a) Lines   (b) Characters

    (c) Paragraphs   (d) All of these

57. What is a quick way to extend these numbers to a longer sequence, for instance 1 through 20?

    (a) Select both cells, and then drag the fill handle over the range you want, for instance 18 more rows

    (b) Select the range you want, include both cells, point to fill on the Edit menu, and then click down.

    (c) Copy the second cell, click in the cell below it, on the standard toolbar click the down arrow on the Paste button, and then click Paste Special

    (d) All of the above

58. Formulas in Excel start with

    (a) %   (b) =

    (c) +   (d) –

59. The cell reference for cell range of K2 to N12 is

    (a) K2.N12   (b) K2;N12

    (c) K2:N12   (d) K2-N12

60. What is the AutoComplete feature of Excel?

    (a) It automatically completes abbreviated words

    (b) It completes text entries that match an existing entry in the same column

    (c) It completes text and numeric entries that match an existing entry in the same column

    (d) It completes text entries that match an existing entry in the same worksheet

61. Which of the following is correct syntax in Excel?

    (a) IF(LogicalTest, TrueResult, FalseResult)

    (b) IF(LogicalTest, (TrueResult, FalseResult))

    (c) IF(LogicalTest, TrueResult) (LogicalTest, FalseResult)

    (d) IF(LogicalTest, TrueResult), IF(LogicalTest, FalseResult)

62. If the cell B1 contains the formula =A1, which of the following statements is true?

    (a) There is a relative reference to cell A1

    (b) There is an absolute reference to cell A1

    (c) Further changes in value of A1 will not affect the value of B1

    (d) Further changes in value of B1 will affect the value of A1

63. When all the numbers between 0 and 100 in a range should be displayed in Red Color,

    (a) Use =if() function to format the required numbers red

    (b) Apply Conditional Formatting command on Format menu

    (c) Select the cells that contain number between 0 and 100 then click Red color on Text Color tool

    (d) All of above

64. Which of the following can you paste selectively using Paste Special command?

    (a) Validation   (b) Formats

    (c) Formulas   (d) All of these

65. Which of the following series type is not valid for Fill Series dialog box?

    (a) Linear   (b) Growth

    (c) Autofill   (d) Time

66. A numeric value can be treated as label value if _____ precedes it.

    (a) Apostrophe (')   (b) Exclamation (!)

    (c) Hash (#)   (d) Tilde (~)

67. Which Chart can be created in Excel?

    (a) Area   (b) Line

    (c) Pie   (d) All of these

68. Getting data from a cell located in a different sheet is called

    (a) Accessing   (b) Referencing

    (c) Updating   (d) Functioning

69. What is a slide-title master pair?

    (a) The title area and text area of a specific slide

    (b) A slide master and title master merged into a single slide

    (c) A slide master and title master for a specific design template

    (d) All of the above

70. In the context of animations, what is a trigger?

    (a) An action button that advances to the next slide

    (b) An item on the slide that performs an action when clicked

    (c) The name of a motion path

    (d) All of above

71. Special effects used to introduce slides in a presentation are called

    (a) Effects   (b) Custom animations

    (c) Transitions   (d) Present animations

72. How can you create a uniform appearance by adding a background image to all slides?

    (a) Create a template   (b) Edit the slide master

    (c) Use the autocorrect wizard   (d) All of these

73. What is defined by the handout master?

    (a) Slide formatting

    (b) Layout of audience handout notes

    (c) Handout content formatting for Microsoft Word export

    (d) All of the above

74. Which command brings you to the first slide in your presentation?

    (a) Next slide button   (b) Page up

    (c) Ctrl + Home   (d) Ctrl + End

75. To maintain the perspective (height and width ratio) of an object when resizing, you need to

    (a) Press and hold the shift key while dragging a corner sizing handle

    (b) Press and hold the alt + ctrl keys while dragging a middle handle

    (c) Drag a corner sizing handle

    (d) (a) and (c)

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