MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF COMPUTER OPERATOR UNDER ELECTION DEPARTMENT, GOVERNMENT OF MIZORAM, DECEMBER, 2019

PAPER - I

Time Allowed : 2 hours   Full Marks : 150

All questions carry equal marks of 2 each.
Attempt all questions.

1. Which of the following generation is based on VLSI microprocessor?
   - (a) First
   - (b) Second
   - (c) Third
   - (d) Fourth

2. Batch processing was mainly used in which generation.
   - (a) First
   - (b) Second
   - (c) Third
   - (d) Fourth

3. Which electronic components are used in fifth generation computers?
   - (a) Transistors
   - (b) Integrated Circuits
   - (c) VLSI Microprocessor
   - (d) ULSI Microprocessor

4. The output of ALU operations is stored in
   - (a) Memory Devices
   - (b) Registers
   - (c) Flags
   - (d) Output Unit

5. Data is distributed throughout the computer system in the following order:
   - (a) Output, Processing, Input, Memory, Storage
   - (b) Memory, Input, Processing, Storage
   - (c) Input, Processing, Memory, Storage, Output
   - (d) Both (a) & (b)

6. What is the name of non-volatile chip that stores the date, time and system configuration?
   - (a) RAM
   - (b) CMOS
   - (c) JFET
   - (d) FET

7. In magnetic disks data is organized on the platter in a concentric sets or rings called
   - (a) sector
   - (b) track
   - (c) head
   - (d) block

8. Which common bus specification provides the fastest data transfer rate?
   - (a) VL bus
   - (b) ISA
   - (c) PCI
   - (d) All of these

9. The bus used to connect the monitor to the CPU is
   - (a) PCI bus
   - (b) SCSI bus
   - (c) Memory bus
   - (d) Rambus

10. Built-in set of machine code instructions of computer are called:
    - (a) instruction set
    - (b) transfer of data
    - (c) logical operations
    - (d) logical set

11. Hexadecimal number system has:
    - (a) is a numeral system made up of 8 symbols.
    - (b) is a numeral system made up of 16 symbols.
    - (c) is a numeral system made up of 32 symbols.
    - (d) is a numeral system made up of 64 symbols.

12. Which category of microprocessor instructions detect the status conditions in registers and accordingly exhibit the variations in program sequence on the basis of detected results?
    - (a) Transfer Instructions
    - (b) Operation Instructions
    - (c) Control Instructions
    - (d) All of these

13. _____ is a specific type of memory that can be erased anytime:
    - (a) BROM
    - (b) DROM
    - (c) EPROM
    - (d) EROM

14. Type of ROM which is manufactured without having any initial storage in it is termed as
    - (a) PROM
    - (b) EROM
    - (c) BROM
    - (d) DROM

15. Optical storage can be defined as:
    - (a) any storage method that uses a laser to store and retrieve data from optical media
    - (b) any storage method which uses optical cable
    - (c) a method which uses electromagnetic signal
    - (d) None of these

16. Status register is also called as
    - (a) Accumulator
    - (b) Stack
    - (c) Counter
    - (d) Flags

17. _____ is a special very high-speed memory and is used to speed up and synchronizing with high-speed CPU.
    - (a) Cache memory
    - (b) RAM
    - (c) Disk memory
    - (d) EPROM

18. _____ contains not only processing unit but small amount of memory (ROM, RAM etc.).
    - (a) Microprocessor
    - (b) Microcontroller
    - (c) Nanometer
    - (d) Unicontroller

19. Which of the following memories must be refreshed many times per second?
    - (a) EPROM
    - (b) ROM
    - (c) Static RAM
    - (d) Dynamic RAM

20. The first phase in SDLC is
    - (a) Feasibility analysis
    - (b) Requirement gathering
    - (c) Design
    - (d) Coding

21. The tools that support different stages of software development life cycle are called as
    - (a) CASE Tools
    - (b) CAME tools
    - (c) CAQE tools
    - (d) CARE tools

22. In the classical waterfall model during which phase is the Software Requirement Specification (SRS) document produced?
    - (a) Design
    - (b) Maintenance
    - (c) Requirements analysis and specification
    - (d) Coding

23. Among development phases of software life cycle, which phase typically consumes the maximum effort?

    (a) Requirements analysis and specification   (b) Design

    (c) Coding   (d) Testing

24. What is a software prototype?

    (a) Toy implementation of the system   (b) Relates to Database

    (c) Final system after testing   (d) System of coding

25. A machine language instruction format consists of

    (a) Operand field   (b) Operation code field

    (c) Operation code field and operand field   (d) None of the above

26. Difference between printf and sprintf functions in C.

    (a) Printf function is used to print character stream of data and sprinf function is used to print string both on stdout console.

    (b) Printf function is used to print character stream of data on stdout console and sprinf function is used to store a string on char buffer which are specified in sprint argument.

    (c) Printf is used to print string and sprintf is used to write to a file.

    (d) None of the above.

27. Consider the following program in C:

```
void main()
{
int i;
for(i=0;i<3;i++)
}
```

How many times *for* statement gets executed?

    (a) 2   (b) 3

    (c) 4   (d) 5

28. Identify unction prototype from the following:

    (a) int add(int a,int b);

    (b) int add(int a,int b)

```
{
printf();
}
```

    (c) int add(int a,int b=0)

```
{
printf();
}
```

    (d) None of these

29. Polymorphism refers to:

    (a) The ability to take more than one form   (b) The ability of inheritance

    (c) The ability of data hiding   (d) All of these

30. The main objective of inheritance in the context of OOP is:

    (a) Reusability   (b) Recoverability

    (c) Data abstraction   (d) Security

31. A specialized computer that typically has more power and features than a standard desktop PC, is known as

    (a) play station   (b) work place

    (c) groupware   (d) workstation

32. Popular type of handheld computer is:

    (a) smart phone   (b) personal digital assistant (PDA)

    (c) DSLR   (d) Laptop

33. Which of the following is not an operating system?

    (a) Windows 10   (b) Windows 7

    (c) UNIX   (d) SQL

34. In _____ mode, only system required software programs are loaded upon start.

    (a) Safe   (b) Care

    (c) Administrator   (d) Privacy

35. Which file system is most secure?

    (a) FAT16   (b) FAT32

    (c) NTFS   (d) HFS

36. CHKDSK command is used to

    (a) Analyze the hard disk error   (b) Diagnose the hard disk error

    (c) Report the status of files on disk   (d) All of these

37. Which file is the batch file that is read while booting a computer?

    (a) Autoexec.bat   (b) Auto-batch

    (c) Autoexecutive.bat   (d) Auto.bat

38. Which command is used to clear the screen in DOS?

    (a) Cls   (b) Clear

    (c) Clscreen   (d) All of these

39. SYS command is used to

    (a) Copy DOS system files to new disk   (b) Copy DOS configuration files to a new disk

    (c) Update the DOS system files   (d) None of these

40. The ability of Operating System to perform multitasking:

    (a) OS divides work between several CPUs

    (b) Several program can be executed concurrently

    (c) Multiple people can work concurrently

    (d) All of these

41. Which tools should you use to create new volumes and format a new disk just installed on computer?

    (a) Disk utility   (b) Format

    (c) Disk management   (d) None of these

42. If you need to duplicate the entire disk, which command will you use?

    (a) Copy   (b) Diskcopy

    (c) Chkdsk   (d) Format

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

    (a) Tree   (b) List

    (c) Subdir   (d) Subtree

44. Which of the following extensions suggest that the file is a backup copy?

    (a) Bak   (b) Bas

    (c) Com   (d) Txt

45. MS Word automatically moves the text to the next line when it reaches the right edge of the screen and is called

    (a) Carriage Return   (b) Enter

    (c) Word Wrap   (d) None of these

46. How can you apply exactly the same formatting you did to another text in MS Word?

    (a) Copy the text and click on Paste Special tool on new place

    (b) Select the text then click on Format Painter and select the new text

    (c) Copy the text and paste in new location. Then type the new text again

    (d) All of these

47. In MS Word, which of the following Tab will you select to perform addition of data in table column?

    (a) Home   (b) Insert

    (c) Layout   (d) View

48. In order to enable/disable macros, we have to change the _____ in MS Word

    (a) Trust Center settings   (b) Anti Virus settings

    (c) View settings   (d) References settings

49. To get to the 'Symbol' dialog box, click on the _____ menu and choose 'Symbol'.

    (a) Tools   (b) Table

    (c) Insert   (d) Format

50. What is gutter margin?

    (a) Margin that is added to the left margin when printing

    (b) Margin that is added to right margin when printing

    (c) Margin that is added to the binding side of page when printing

    (d) Margin that is added to the outside of the page when printing

51. In MS Word, "Ctrl + End" is used to

    (a) Moves the cursor to the end of Line   (b) Moves the cursor to the end of Document

    (c) Moves the cursor to the end of Paragraph   (d) None of these

52. Which feature helps you to inserts the contents of the Clipboard as text without any formatting

    (a) Paste Special   (b) Format Painter

    (c) Page Setup   (d) Styles

53. In MS Word, the default alignment for paragraphs is

    (a) left-aligned, or flush margins at the left edge and uneven edges at the right edge

    (b) centered, or equidistant from both the left edge and the right edge

    (c) right-aligned, or flush margins at the right edge and uneven edges at the left edge

    (d) justified, or flush margins at both the left and right edges

54. Identify from the following, the name of the group for counting the number of lines in MS Word.

    (a) Page Setup   (b) Tables

    (c) Footnotes   (d) Captions

55. 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

56. You can detect spelling and grammar errors by

   (a) Press Shift + F7   (b) Press Ctrl + F7

   (c) Press Alt+ F7   (d) Press F7

57. Assume that you have typed *=vlookup(101,A1:B5,2,FALSE)* in cell C2, what will be printed in C2?

	A	B	C
1	98	Apple	
2	100	Banana	
3	101	Orange	
4	105	Mango	

   (a) #REF   (b) Apple

   (c) Banana   (d) Orange

58. In excel, all cells by default are _____.

   (a) Unlocked   (b) Locked

   (c) Neither unlock nor lock   (d) None of these

59. Which of the following is used for limiting the number of text in a cell?

   (a) Text length in Data validation   (b) Text Size in Data validation

   (c) Word count in Proofing   (d) Comment in Review

60. Which function will you use to enter current time in a worksheet cell?

   (a) =today()   (b) =now()

   (c) =time()   (d) =currentTime()

61. In referring to formula *=sum($A$1:$A$10),* which of the following statements is true:

   (a) A1 to A10 will be added and it is a relative reference.

   (b) A1 to A10 will be added and it is absolute reference.

   (c) A1 to A10 will be added and it is has a relation with other worksheet.

   (d) A1 to A10 will be added in two worksheets.

62. 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 these

63. Assume that all the cells in workbook are empty. You are entering the formula =Sheet1!A1+Sheet2!A1 in Cell B1 of sheet3. What will be the output?

   (a) 0   (b) #REF

   (c) #NAME   (d) Incorrect formula

64. Which of the following is true for RANK function?
    (a) It gives a rank of numerical value which is always sequential
    (b) It gives a rank of numerical value which may not be in sequence
    (c) It gives alphabetical rank
    (d) None of these

65. What will be the output if you format the cell containing 1234.5 as '#,##0.002 ?
    (a) 1,230.40   (b) 1,234.50
    (c) 1,234.5   (d) 12345

66. If you need a text to show vertically in a cell. How will you achieve this?
    (a) Choose Vertical on Text alignment in Format Cells dialog box
    (b) Choose 90 Degrees in Orientation of Format Cells dialog box
    (c) Choose Distributed from the Vertical drop down list of Format Cells dialog box
    (d) Choose Center Across Selection from Horizontal combo box in Format Cells dialog box

67. Except for the …… function, a formula with a logical function shows the word "TRUE" or "FALSE" as a result
    (a) IF   (b) AND
    (c) OR   (d) NOT

68. The box on the chart that contains the name of each individual record is called the _____.
    (a) cell   (b) title
    (c) axis   (d) legend

69. _____ command is used for making universal changes to all slides in presentation.
    (a) Slides Master   (b) Slide Master
    (c) Slide Admin   (d) Slide Administrator

70. _____ command is used to add hyperlink to an object to specify what should happen when you click on it.
    (a) Arrange   (b) Comment
    (c) Action   (d) Insert

71. Which of the following command does not appear in the Slides group?
    (a) New Slide   (b) Layout
    (c) Reset   (d) Arrange

72. What is the shortcut key to close a presentation?
    (a) Ctrl+O   (b) Ctrl+Y
    (c) Ctrl+W   (d) Ctrl+L

73. Identify which of the following is not a transition effect.
    (a) Blinds   (b) Split
    (c) Wipe   (d) Dice

74. Which of the following is used for viewing all the slides in one screen?
    (a) Normal view   (b) Slide sorter view
    (c) Outline view   (d) Notes page view

75. Using _____, we can animate an object to move to any direction:
    (a) Motion path animation   (b) Entrance animation
    (c) Exit animation   (d) Emphasis animation

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