CPCT TEST PAPER-2025-023 21-NOV-25 SHIFT-2

STUDENT NAME *

VIVA

1.A thread in an OS is a/an _____. *

- ○ heavy weight process
- ○ multi-process
- ○ inter thread process
- ● light weight process

2.Which of the following computers is the fastest of all? *

- ○ Analog
- ○ Mini Computer
- ○ Micro Computer
- ● Super Computer

3.In MS-Excel 2019, the expression "=A1 < = B1" written in a cell A2 will return: *

○ TRUE if the value in cell A1 is less than the value in cell B1, and FALSE if the value in cell A1 is greater than the value in cell B1

○ TRUE if the value in cell A1 is equal to or greater than the value in cell B1, and FALSE if the value in cell A1 is less than the value in cell B1

◉ TRUE if the value in cell A1 is equal to or less than the value in cell B1, and FALSE if the value in cell A1 is greater than the value in cell B1

○ TRUE if the value in cell A1 is not equal to the value in cell B1, and FALSE if the value in cell A1 is equal to the value in cell B1

4.Which function key is used to open Data Source view in an OpenOffice Writer? *

○ F7

◉ F4

○ F5

○ F8

5.Which of the following programs provides a convenient environment for program development and execution? *

◉ System program

○ File management

○ Utility program

○ Network management

6.CD-ROM stands for: *

○ Central Disc Read Only Memory

⦿ Compact Disc Read Only Memory

○ Compact Disc Run Only Memory

○ Compact Disc Read Once Memory

7.The device that enters information and lets you communicate with the computer is called a/an _____. *

○ software

○ output device

○ middleware

⦿ input device

8.A circuit board through which all components of a computer communicate, is called: *

○ Central Processing Unit

⦿ motherboard

○ Graphics Processing Unit

○ Random Access Memory

?

9.Which of the following is a modern GUI based Operating System for mobiles? *

○ macOS

○ Ubuntu Unity

○ Microsoft Windows

● Android

10.Which of the following is NOT a correct biometric sensor category? *

○ Behavioral

○ Morphological

● Mechatronical

○ Biological

11.Behavioral Morphological Mechatronical Biological *

● Baidu Search

○ Google Chrome

○ Mozilla Firefox

○ Safari

12.Which of the following are used to identify a user who returns to a website? *

(●) Cookies

(○) Plug-ins

(○) Scripts

(○) ASPs

13.Which of the following is a sequence of responses to an initial message posting with reference to USENET newsgroups? *

(●) Thread

(○) Comment

(○) Post

(○) List

14.Print speed of a laser printer refers to the _____. *

(●) number of pages printed by the printer per minute

(○) number of words printed by the printer per minute

(○) number of sentences printed by the printer per minute

(○) number of paragraphs printed by the printer per minute

?

15.Which of the following microphones is called a velocity microphone *

- ○ Moving coil
- ● Ribbon
- ○ Capacitor
- ○ Crystal

16.Moving coil Ribbon Capacitor Crystal *

- ● DPI
- ○ DIP
- ○ DPQ
- ○ DQP

17.A device that converts sound energy into electrical energy is called: *

- ● microphone
- ○ headphone
- ○ headset
- ○ speaker

18. To get audio or video into a computer, we must _____ it. *

○ maximise

◉ digitise

○ shorten

○ highlight

19.The hexadecimal representation of the decimal number 24 is _____. *

○ 30

◉ 18

○ 11000

○ 47

20.Lempel-Ziv-Welch (LZW) is a: *

◉ lossless data compression algorithm

○ lossy data compression algorithm

○ lossless data extraction algorithm

○ lossy data extraction algorithm

21.C language supports different types of operators, which can be used with variables and constants to form expressions. Which of the following operators have right to left associativity?C *

○ &&

◉ ?:

○ ||

○ ^

22. _____ algorithm is a symmetric key cryptographic technique to provide message authentication. *

○ TAC

○ PAC

◉ MAC

○ SAC

23.The OSI model consists of ____ layers. *

◉ seven

○ five

○ eight

○ nine

24.Match the columns: *

Topology	Description
a) Bus topology	i) Each device has a dedicated point-to-point link only to a central controller, usually called a hub
b) Ring topology	ii) Only long cable acts as a backbone to link all the devices in a network
c) Hybrid topology	iii) Each device is linked to only its immediate neighbours (either physically or logically)
d) Star topology	iv) You can have a main star topology with each branch connecting several stations in a bus topology

⦿ (a) - ii, (b) - iii, (c) - iv, (d) - i

◯ (a) - iii, (b) - ii, (c) - iv, (d) - i

◯ (a) - ii, (b) - iii, (c) - i, (d) - iv

◯ (a) - i, (b) - iii, (c) - iv, (d) - ii

25.Which of the following refers to the length of the longest of all shortest paths *
between any two nodes in a computer network?

◯ Network radius

⦿ Network diameter

◯ Network range

◯ Network area

26.Which of the following extensions is used for a zipped file? *

◯ .jip

⦿ .zip

◯ .zig

◯ .zippo

27.What is a JBF file? *

○ System File

○ Compressed Archive File

● Paint Shop Pro Browser Cache Format File

○ MS fast find file

28._____ is essentially a back-up battery for your computer system in the *
event of a power failure or other electrical problems.

● Uninterruptible power supply

○ Unified power supply

○ Uninterruptible power sink

○ Universal power sink

29.When the user navigates to a webpage controlled by the spyware author, the *
page contains:

○ adware to attract users

○ key loggers

○ security holes to grab information

● code that attacks the browser and forces the download and installation of spyware

30. Software quality is measured by: *

- ⦿ functional and non-functional attributes
- ○ hacking
- ○ cracking
- ○ phishing

31. Which of the following input devices captures images from the source which are then converted into a digital form that can be stored on the disk? *

- ○ Mouse
- ○ Joystick
- ○ Light pen
- ⦿ Scanner

32. Which of the following is FALSE with reference to computer software? *

- ○ It is a collection of programs to bring computer hardware system into operation.
- ⦿ It consists of electronic components like ICs, diodes, registers, crystals, boards, insulators, etc.
- ○ It will vary as per the computer and its built-in functions and programming languages.
- ○ It is designed and developed by experienced programmers in high-level languages.

33. Which of the following statements is NOT correct for a digital signature? *

○ It is a mechanism for authentication.

◉ It is the scanned image of one's signature.

○ It is created by encrypting information.

○ It cannot be duplicated.

34. Absolute URL uses _____. *

◉ complete internet address

○ partial internet address

○ first half of the internet address

○ relative internet address

35. Which of the following is a web browser? *

○ Google

◉ Microsoft Edge

○ Yahoo

○ Bing

36. _____ is simply the use of electronic means to transfer funds directly from one account to another, rather than by cheque or cash. *

○ E-care

◉ E-banking

○ E-blog

○ Traditional banking

37. _____ का उद्देश्य "गवर्नेंस को बदलने के के लि ए ई-गवर्नेंस को बदलना (Transforming e-Governance for Transforming Governance)" है है। *

◉ e-Kranti

○ e-care

○ e-payment

○ e-blog

38. The speed at which the CPU can carry out instructions is called _____. *

◉ clock speed

○ latency

○ throughput

○ instruction speed

39. What is the term used when the government employs technology to deal with *
citizens, businesses and other government agencies?

○ B2G

○ Web

○ C2E

◉ E-Governance

40. Ruby on Rails, also known as Rails, is a server-side web application *
development framework that is written in the Ruby programming language, and is
developed by _____.

○ Dennis Ritchie

○ Steve Jobs

○ Steve Woz

◉ David Heinemeier Hansson

41. Which of the following layers is termed as an end-to-end layer as it provides a *
point-to-point connection between the source and destination to deliver the data
reliably?

◉ Transport layer

○ Data link layer

○ Session layer

○ Network layer

42. What is an Internet? *

○ A local or restricted communications network

○ A single network

⦿ A vast collection of different networks

○ An interconnection of routers

43. Which of the following is a pointing input device of a computer system? *

○ Microphone

○ Digitizer

○ Scanner

⦿ Light pen

44. What is the default name of a newly created document in Google Docs? *

○ Document

○ New document

○ Document 1

⦿ Untitled document

45. Which of the following is the range of numbers used to represent the decimal *
number system?

- ○ 0 to 7
- ○ 0 to 8
- ◉ 0 to 9
- ○ 0 and 1

46. Which of the following is the formula to get the sum of sales where the food *
items end with 'es'?

	A	B	C
1	Category	Food	Sales
2	Vegetables	Tomatoes	$2,300
3	Vegetables	Celery	$5,500
4	Fruits	Oranges	$800
5		Butter	$400
6	Vegetables	Carrots	$4,200
7	Fruits	Apples	$1,200
8		Fruits	$2,000
9		Food ending in es	

- ○ =SUM(B2:B7,"*es",C2:C7)
- ◉ =SUMIF(B2:B7,"*es",C2:C7)
- ○ =SUMIF(A2:A7,"Vegetables",C2:C7)
- ○ =SUMIF(A2:A7,"",C2:C7)

47. In MS-Excel 2019, the _____ function key pulls up the Go To dialog box. *

- ○ F1
- ○ F2
- ○ F3
- ◉ F5

48. What is the output of the following Excel command? *

◉ 46

◯ 1

◯ 7

◯ -7

49. The _____ feature of MS-Excel allows to record and repeat a set of commands or tasks performed by a user with a single click .   *

◉ Macro

◯ Micro

◯ Text wrap

◯ Custom list

50. The _____ function works on returning the remainder when a particular number is divided by a divisor in MS-Excel 2019.   *

◯ SUM()

◯ PRODUCT()

◯ IDEA()

◉ MOD()

51. _____ in the lower-right corner of a table allows you to drag the table to the *
size that you want in MS-Excel 2019.

- ○ Header row
- ○ Column row
- ● Sizing handle
- ○ Total row

52. _____ is a function that makes MS-Excel 2019 search for a certain value *
in a column (the so-called 'table array'), in order to return a value from a different
column in the same row.

- ○ Macro
- ● VLOOKUP
- ○ References
- ○ Micro

Google Forms