1. Which of the following items are considered computer hardware?

(A) Data
(B) Programs
(C) Output devices
(D) Operating systems

2. Data that has been processed and has meaning is termed

(A) information
(B) database
(C) storage
(D) output

3. Which of the following can be termed 'application software'?

(A) DOS
(B) Linux
(C) Mac Os
(D) Internet Explorer

4. Which of the following activities would NOT be considered as cloud storage?

(A) Data stored on remote servers
(B) Data stored and accessible on a LAN
(C) Data back-up and storage devices on the Internet
(D) Data managed by storage providers or hosting companies

5. Which of the following could NOT be classified as a cloud-based application?

(A) Gmail
(B) Drop Box
(C) Google drive
(D) Windows OS

6. The lights in a room turn on as soon as a person enters. Which input device MOST likely controls the lighting in the room?

(A) Sensor
(B) Remote
(C) Scanner
(D) Keyboard

7. Which of the following devices is used to input data into the computer?

(A) Mouse
(B) Monitor
(C) USB flash drive
(D) External hard drive

8. For which of the following interface types is the user required to remember specific instructions and syntax?

(A) Menu-driven
(B) Graphical user
(C) Computer screen
(D) Command-driven

Item 9 refers to the following model of a globe.



9. The MOST suitable printer for creating the model of the globe is

(A) a 3-D printer
(B) a laser printer
(C) an ink-jet printer
(D) a thermal printer

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10. The RP Secondary School wants the administrative staff to have access to all student and teacher data. Which of the following networks would be MOST suitable to enable such access?

(A) WLAN
(B) WAN
(C) MAN
(D) LAN

Item 11 refers to the following symbol.



11. The symbol represents

(A) LAN
(B) Wi-Fi
(C) Hotspot
(D) Bluetooth

12. Unauthorized, real-time interception of a private communication on a computer network is referred to as

(A) propaganda
(B) identity theft
(C) industrial espionage
(D) electronic eavesdropping

13. Double entry data verification involves

(A) different data entered once
(B) the data entered being copied to another device
(C) different data entered once by two different persons
(D) the same data entered once then re-entered by another person

14. Part of a private network using Internet technology and public telecommunications that can be accessed by business suppliers, vendors, customers and partners is called an

(A) Internet
(B) Intranet
(C) Extranet
(D) Ethernet

15. Which of the following shows an increase in computer memory capacity?

(A) Terabyte → Gigabyte → Megabyte
(B) Gigabyte → Kilobyte → Megabyte
(C) Megabyte → Terabyte → Gigabyte
(D) Megabyte → Gigabyte → Terabyte

16. Which of the following functions is performed by a modem?

(A) Analog and digital
(B) Digital and upload
(C) Analog and download
(D) Download and upload

17. In the URL http://www.shoes.com, 'shoes.com' stands for the

(A) extension
(B) domain name
(C) company name
(D) Internet company

18. Transferring data from a remote computer to your computer is referred to as

(A) browsing
(B) uploading
(C) data mining
(D) downloading

19. Which of the following types of technologies is commonly used by banks to read data on cheques?

(A) POS
(B) OCR
(C) OMR
(D) MICR

20. Which of the following operations is considered a feature of a biometric system?

(A) Matching fingerprints
(B) Detecting irregular heartbeats
(C) Diagnosing medical symptoms
(D) Helping to lubricate skeletal joints

21. Telecommuting can be BEST described as

(A) using the computer while commuting
(B) using the telephone while commuting
(C) working from home by connecting home and office
(D) working from the office after establishing a connection at home

22. In order to use a program stored on a flash drive, the program must be transferred into

(A) ROM
(B) RAM
(C) PROM
(D) EPROM

23. Which of the following is NOT a hardware component of a computer system?

(A) Data file
(B) Main memory
(C) Peripheral device
(D) Central processing unit

24. Which of the following checks is NOT a validation technique?

(A) Range
(B) Inconsistency
(C) Double entry
(D) Reasonableness

25. The process of scrambling messages at the sending end and unscrambling them at the receiving end is called

(A) coding
(B) encryption
(C) espionage
(D) eavesdropping

26. There are many software restrictions used by computers to protect data and maintain data integrity. Which of the following entities are software restriction media?

I. Viruses
II. Passwords
III. Encryptions

(A) I and II only
(B) I and III only
(C) II and III only
(D) I, II and III

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27. Which of the following devices can be used for both input and output?

(A) Touchscreen
(B) Barcode reader
(C) Flatbed scanner
(D) Document reader

28. Which of the following is true of accessing files sequentially?

(A) Occurs in any order
(B) Starts with the first record
(C) Starts with the largest data field
(D) Starts with the smallest data field

29. Which of the following is a hardware user interface?

(A) GUI
(B) Icon
(C) Sensor
(D) Touchscreen

30. An official of Company X sells confidential information about his company to Company Y. What is the term used for this type of information misuse?

(A) Identity theft
(B) Computer fraud
(C) Industrial espionage
(D) Electronic eavesdropping

31. Which of the following are NOT categorized as system software?

(A) Productivity tools
(B) Operating systems
(C) Translators
(D) Utilities

32. Which part of the central processing unit (CPU) coordinates its activities?

(A) Register
(B) Control unit
(C) Main memory
(D) Arithmetic logic unit

33. Before purchasing a computer, James was given a sheet with the following hardware specifications.

Intel Pentium IV		64 bit
3.6 GHz	2 GB	533 MHz
50 RAM	160 GB	SATA
HDD	7200 rpm	

The word use of the computer is

(A) 2 GB
(B) 64 bit
(C) 7200 rpm
(D) 533 MHz

34. Which type of interface allows the user to communicate with the computer system by keying in instructions?

(A) Menu driven
(B) Graphical user
(C) Touch sensitive
(D) Command-driven

35. A webmaster is important to the company because he/she

(A) is responsible for the company's website
(B) assigns web addresses to all users in a company
(C) backs up files and stores the disks at another location
(D) monitors the shutting down of competitors' websites

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36. Which of the following is an example of a correctly formatted e-mail address?

(A) Lana.happy@net
(B) @lana.happy.net
(C) lana@happy.net
(D) Lana@happy@net

37. Which of the following types of software should be used for applications that involve repetitive numerical calculations?

(A) Database
(B) Presentation
(C) Spreadsheet
(D) Word processing

38. Selecting or highlighting a paragraph creates a

(A) file
(B) block
(C) merge
(D) document

39. The following formula is located in position B6 of a spreadsheet.

= B3 + B4 + B5

What would be the resulting formula if the initial formula was copied to the position located immediately on the left?

(A) C3 + C4 + C5
(B) A3 + A4 + A5
(C) A3 + A4 + B5
(D) C3 + C4 + B5

40. In creating a query, a student entered the following criteria for the date field.

>= 05/11/2017 and <= 05/14/2017

The output will show days

(A) after 14 May 2017 only
(B) from 11 to 14 May 2017
(C) before 11 May and after 14 May 2017
(D) between 14 May and 5 November 2017

41. Spreadsheet formulae use

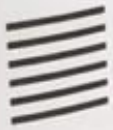
(A) values or labels
(B) labels or cell addresses
(C) values, ranges or cell addresses
(D) values, labels or cell addresses

42. Which of the following buttons can be used to fully justify text?

(A) 

(B) 

(C) 

(D) 

Item 43 refers to the following table containing data on three countries, A, B and C, for 2018 and 2019.

Country	2018	2019
A	300	600
B	500	800
C	500	600

43. Which of the following types of charts is NOT suitable for representing the data above?

(A) Pie
(B) Bar
(C) Line
(D) Column

44. The field that uniquely identifies a record in a database is called the

(A) foreign key
(B) primary key
(C) alternate key
(D) secondary key

45. Which of the following sequences of steps is correct for deleting a field in a database table?

(A) Choose the delete row option.
Select row to be deleted and right click.
Open table in design view.
Choose yes to confirm deletion.

(B) Open table in design view.
Select row to be deleted and right click.
Choose the delete row option.
Choose yes to confirm deletion.

(C) Select row to be deleted and right click.
Open table in design view.
Choose the delete row option.
Choose yes to confirm deletion.

(D) Select row to be deleted and right click.
Choose the delete row option.
Open table in design view.
Choose yes to confirm deletion.

Item 46 refers to the following database table.

Item No.	Item Desc.	Quantity
H050	Hammer	20
H040	Hammer	40
FK030	Fork	35
FK020	Fork	40
FK015	Fork	45

46. The database table above shows records sorted by

(A) Quantity in ascending order
(B) Quantity in descending order
(C) Item No. in ascending order
(D) Item No. in descending order

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47. Which of the following clearly identifies a hyperlink on an HTML document?

I. A link to an email address
II. A link to another webpage
III. A link to another location within the webpage

(A) I and II only
(B) I and III only
(C) II and III only
(D) I, II and III

48. Which of the following is used for executing HTML code?

(A) A parser
(B) A browser
(C) An assembler
(D) An interpreter

49. Which security feature offers the LEAST protection to a Word document?

(A) Restricting editing
(B) Adding a digital signature
(C) Encrypting with a password
(D) Saving as compatible with the appropriate software version

---

Item **50** refers to the following spreadsheet.

	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8		=sum(B2::B6)		
9				

50. If the formula in Cell B8 is copied to the shaded cell, C8, then, the formula in Cell C8 would be

(A) =sum(B2:B6)
(B) =sum(B3:B7)
(C) =sum(C2:C6)
(D) =sum(C3:C7)

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Item 51

Read (A,
If A < B
Print(A);

51. Which of
following
(A) Re
(B) Rea
(C) Rea
(D) Rea

52. Which of the
conditional c
(A) IF ...
(B) FOR
(C) WHI
(D) REPE

53. When implem
the following s
(A) Linkin
(B) Compi
(C) Mainta
(D) Interpre

Item 51 refers to the following algorithm.

```
Read (A, B)
If A < B Then
Print(A);
```

51. Which of the following tasks does the following algorithm perform?

(A) Reads two numbers and prints the first number
(B) Reads two numbers and prints the smaller number
(C) Reads two numbers and prints the first number if it is larger than the second number
(D) Reads two numbers and prints the first number if it is smaller than the second number

52. Which of the following is an example of a conditional construct?

(A) IF ... THEN ... ELSE
(B) FOR ... ENDWHILE
(C) WHILE ... ENDWHILE
(D) REPEAT ... UNTIL

53. When implementing a program, which of the following steps comes after executing?

(A) Linking
(B) Compiling
(C) Maintaining
(D) Interpreting

54. Which of the following is NOT a high-level programming language?

(A) C
(B) Java
(C) Pascal
(D) Assembly

55. Which of the following terms is an invalid variable name?

(A) Sum
(B) 2count
(C) Vat15
(D) Count

56. The decision box of a program flow chart shows the

(A) link to another page
(B) test to be carried out
(C) calculations to be done
(D) input and output operators

57. A computer programmer is coding an algorithm which calculates the class average for a given exam. He creates a variable called class_avg. Which data type should he specify when declaring this variable?

(A) Real
(B) Integer
(C) Boolean
(D) Character

Item **58** refers to the following algorithm.

I. Ask users for length and width
II. length, width
III. area ← length * width
IV. "Area of rectangle is", area

58. Which of the following options, in the correct order, can be used to replace I, II and III in the algorithm?

(A) Read, write, prompt
(B) Write, read, prompt
(C) Prompt, read, write
(D) Read, prompt, write

59. What is the name given to an identifier that always holds the same value?

(A) Constant
(B) Location
(C) Variable
(D) Storage

Item **60** refers to the following algorithm.

Write ("Enter price: ")	(1)
Read (price)	(2)
Vat: = price * 15%	(3)
Write vat	(4)

60. Which line contains a processing statement?

(A) 1
(B) 2
(C) 3
(D) 4

END OF TEST

IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST.