

**ICT 1 A LEVEL
2016**

1. The two activities of the machine cycle that take place in the control unit are

A Decode-execute
~~B Fetch-decode~~
 C Decode-store
 D Execute-store

2. The memory location with the fastest access rate is

A ROM
 B RAM
 C Register
~~D Cache~~

3. The resolution of the print out of a printer is measured in

A Pages per minute
~~B Dots per inch~~
 C Pixels density
 D Dot pitch

4. Which of the following provides a mechanism that can be used to convert scanned text into editable text?

~~A OCR~~
 B MICR
~~C OMR~~
~~D Digitizer~~

5. A document that states in writing how a company plans to protect its physical and data assets.

A Data protection act
~~B Copyright~~
~~C Data dictionary~~
~~D Security policy~~

6. What type of backup should be performed prior to an upgrade?

A Differential
~~B Sequential~~
 C Procedure
 D Full

7. Which of the following is NOT a function of the operating system?

A Deciding which instructions stay in the RAM.
 B Program interaction
~~C Decode instructions in a computer.~~
 D Making hardware ready for application use.

8. The integrity of data can be assured by

A Creating several backups of the same data
~~B Data verification~~
 C Proper antivirus protection
 D Use of passwords

9. Which of the following can be used to describe the term spooling

A A queue of data in a computer for printing.
 B Input information into the printer online.
~~C Simultaneous processing and storage online.~~

10. A term used to describe the process of discovering patterns in data that can lead to predictions about the future.

~~A data mining~~
 B verification
 C Normalization
 D data processing

11. The software that enables the operating system to recognize a newly connected device is known as

A utility software
~~B a driver~~
 C an interpreter
 D a device manager

12. Third generation digital electronic computers use for the design of its electronic circuits.

A Transistors
 B logic gates
 C vacuum tubes
~~D integrated circuits~~

13. Which of the following is NOT a system software?

A File manager
~~B Anti-virus software~~
 C Productivity software
~~D File compression software~~

14. A transaction processing system is concerned with

~~A the operational day-to-day activities.~~
 B the strategic decision-making support.
~~C a large database of specialised knowledge.~~
 D daily update of database

15. A finance system that predicts future business situation is an example of a

A predictive system
~~B executive support system~~
~~C knowledge based system~~
 D management information system

16. A method of processing that cumulates data to process it after a period of time is called _____ processing.

~~A batch~~
 B Online
 C distributed
 D periodic

17. Which of the following is not a benefit of ICT in business today?

~~A Accurate results~~
~~B Size of business~~
 C Instant response
 D Speed of processing

18. The word size of a computer processor refers to the

~~A number of instructions processed at a time~~
 B number of bits the CPU can process simultaneously
 C number of characters it can allow in the database field
~~D maximum number of words that can stay in the RAM for processing~~

19. A protocol which enable the functioning of global network of computers is

- A FTP
- ☒ B Internet Protocol
- C HTTP
- D TCP/IP

20. A company writes a computer program to carry out a specific job. This type of program is called;

- A custom software
- B off-the-shelf software
- C general-purpose software
- ☒ D special-purpose software

21. A spreadsheet formula is given as =SUM(A1:D2). Two cell addresses involve in the formula are

- ☒ A B2 and C1
- B A3 and B2
- C A2 and B3
- D B3 and D1

	A	B	C	D
1				
2				
3				

22. A system of programs and data structures that approximates the operation of the human brain is

- A embedded system
- B modelling and simulation
- C genetic programming
- ☒ D artificial intelligence

23. Which of the following memories is found in the CPU?

- A RAM
- ☒ B BIOS
- C ROM
- D Register

24. What is true about mobile networks is that they

- A cannot be intercepted.
- B are not accessible everywhere.
- ☒ C are available only on mobile phones.
- D cannot be intercepted by walls.

25. A huge collection of electronic pages containing information about many different subjects is called

- A Google
- B facebook
- ☒ C world wide web
- D search engine

26. Uploading or downloading data to or from a remote computer on the Internet is done by

- A FTP
- B SMTP
- ☒ C POP
- D TCP/IP

27. Teleworking is getting normal office work done by working

- A from a telephone company.
- B away from the office.
- ☒ C online out of the office.
- D on the Internet while in the office.

28. At which stage of a SDLC do we check and modify the system to ensure that it continues to meet changing business need?

- A System investigation
- B System design
- C System analysis
- ☒ D System maintenance and review

29. Which of the following is an activity in the implementation phase of a new system?

- ☒ A Determining test items
- B Training of users
- C Writing algorithms
- D Writing codes

30. The order of execution of instructions in high level programming language is determined by

- A Sequence
- B Syntax
- ☒ C Semantics
- D Control structure

31. The method used by organization to completely do away with the old system to use a new system is known as _____ implementation.

- A direct
- ☒ B parallel
- C Phased
- D Complete

32. Software that can convert codes written by programmers in high level languages into machine code is

- ☒ A compiler
- B assembler
- C decoder
- D operating system

33. A milestone in project management indicates the

- A completion of the first stage of the project
- B passing of 50% of the time allocated to the project.
- ☒ C completion of an important stage of a project.
- D conclusion of a stage of a project with a zero time lag.

34. When a program fails to compile because a statement separator such as a semicolon is missing in the program, this type of error is known as a

- A lexical error.
- ☒ B syntax error.
- C logic error.
- D semantic error.

35. A program that provides a way to look at and interact with the information on the World Wide Web is a

- A HTML editor
- B search engine.
- ☒ C browser.
- D web crawler.

36. A field in a database table which appears as a primary key in another database table is called a
- A candidate key.
 - ~~B~~ secondary key.
 - ☒ C foreign key.
 - D primary key.
37. The process of determining whether someone is, in fact, who he/she is declared to be is
- ~~A~~ authentication.
 - ☒ B identification.
 - C confidentiality.
 - D privacy.
38. The type of software that reduces file size in storage without affecting the content of the file is
- ~~A~~ trojan
 - B defragmenter.
 - C driver software.
 - D utility software.
39. Which of the following is a data security measure that can be used to prevent external threat in a network?
- ~~A~~ Use of firewall.
 - B defragmenter
 - C Biometric Systems.
 - D Debugging software.
40. Which of the following statements is NOT true about a primary key?
- A It does not contain a blank value.
 - B It is a unique identifier of records.
 - ~~C~~ It is always in text form.
 - D It should be the first field in a table.
41. Concerning e-banking, what is the advantage of ATM to a banker?
- ~~A~~ To withdraw money at any time.
 - B Serve many people at a time.
 - ☒ C Control the amount of money paid to customers.
 - D To save customers time
42. To do research, buy and sell stocks online is known as:
- A e-banking.
 - B e-marketing
 - ~~C~~ e-commerce.
 - D e-trading.
43. A programmer who requires solving a problem that makes logical decision based on a condition would use _____ control structure.
- A sequence
 - ~~B~~ Selection
 - C Repetitive
 - D iterative
44. A study method in which the user receives study material and takes examination online is known as:
- A electronic mailing.
 - ~~B~~ computer aided learning.
 - C videoconferencing.
 - D electronic learning.
45. A graphical representation of an algorithm is known as
- A pseudo code
 - B logic structure
 - ~~C~~ flow chart
 - D Flow diagram
46. The paradigm in which the programmer designs programs by outlining steps to be followed to solve a problem is called:
- A top-down programming
 - B procedural programming
 - ~~C~~ stepwise programming
 - D object-oriented programming
47. At which stage of project management is it possible for a decision to be taken to cancel the project?
- A Initiation.
 - ~~B~~ Planning.
 - C Implementation.
 - ☒ D Termination.
48. Which of the following is not a project management constraint?
- ~~A~~ Critical path.
 - B Time.
 - C Cost.
 - D Scope.
49. Which communications technique transmits many signals simultaneously over a single channel?
- A Duplexing
 - ~~B~~ Half duplexing
 - C Channelling
 - D Multiplexing
50. What is the output of the algorithm below?
1. Set i to 1
 2. Set total to 1
 3. Do steps 4 and 5 until $i > 3$
 4. $total = total * i$
 5. $i = i + 1$
 6. Output: total
- A 24
B 20
~~C~~ 3
D 15

STOP

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