



**ROBERT MUGABE SCHOOL OF EDUCATION  
AND CULTURE**

**LEVEL 1 SEMESTER 2  
EXAMINATION QUESTION PAPER**

**MODULE CODE:           ICTA120**

**MODULE NARRATION: ICT AND EDUCATIONAL APPLICATIONS**

**DATE:                       2025**

**DURATION:               3 HOUR**

**INSTRUCTIONS:**

- Answer all questions in **Section A**,
- Any two from **Section B**
- One question from **Section C**

## Section A

- 1) The SECONDARY memory is also called.....
  - a) Auxiliary storage
  - b) Backing storage
  - c) Main Memory
  - d) Primary memory
- 2) Which computer systems are used as servers for medium sized organisations?
  - a) Mainframe computers
  - b) Mini Computers
  - c) Micro Computers
  - d) Super Computers
- 3) What is a projector?
  - a) An output device that reflects a computer screen onto a surface or at wall.
  - b) Electronic input device that accepts user data.
  - c) Optical input device that captures graphical input.
  - d) Optical output device
- 4) LAN stands for
  - a) Lap Area Network
  - b) Local Area Network
  - c) Local Array Net
  - d) Layered Area Network
- 5) Which of the following is not an example of a software package
  - a) MS Word
  - b) MS Excel
  - c) Pen Drive
  - d) MS Paint
- 6) Junk e-mail is also called
  - a) Spam
  - b) Sniffer script
  - c) Spoof
  - d) Spool
- 7) A television set is an example of which type of transmission in Data Communication and Networks?
  - a) Simplex

- b) Half Duplex
  - c) Full duplex
  - d) Serial
- 8) The amount of vertical space between lines of text in a Word processing document is called
- a) Double-space
  - b) Line spacing
  - c) Single space
  - d) Vertical spacing
- 9) A terminal that is more powerful and can handle local information processing in a star network topology is called a .....
- a) Work station
  - b) Server
  - c) Network operating system
  - d) Peer system
- 10) Which of the following is NOT a feature of a virtual classroom.
- a) Live video sessions.
  - b) Chat and Discussion Forums
  - c) Physical Text books
  - d) Screen sharing
- 11) For the use of number pad which key should be ON
- a) Caps Lock
  - b) Num Lock
  - c) Scroll Lock
  - d) Auto Lock
- 12) What is a type of malware that replicates itself?
- a) Viruses
  - b) Worm
  - c) Trojan
  - d) Spyware
- 13) E-learning is most effective when it includes :
- a) Only text based content
  - b) Interactive media
  - c) No assessments
  - d) Static images
- 14) A computer based software which operates the computer hardware and to provide platform for running other software
- a) Operating System
  - b) File software

- c) System Software
  - d) Fundamental system
- 15) What is a characteristic of a supercomputer?
- a) Low processing power
  - b) High processing power
  - c) Limited storage capacity
  - d) Low cost.
- 16) A slide and animation are used in which package
- a) Word processors
  - b) Spreadsheet package
  - c) Databases software
  - d) Presentation software
- 17) Name the section at the top of the document used to place the name of the document, page number etc:
- a) Header
  - b) Web layout
  - c) Footer
  - d) Hyperlink
- 18) What is the primary function of systems software?
- a) Provide entertainment
  - b) To manage hardware and software
  - c) To create documents
  - d) To browse the internet
- 19) A collection of instructions that perform specific tasks when executed by a computer :
- a) Program
  - b) Research
  - c) Motherboard
  - d) all of above
- 20) Convert 20 to binary (base 2)
- a) 01010
  - b) 10100
  - c) 10010
  - d) 10101
- 21)  $1000000_2$  converted to Denary is .....
- a) 68
  - b) 62

- c) 81
- d) 64

22) Place where large amounts of data are stored outside central processing unit is called

- a) Backing store
- b) Peripherals
- c) Control unit
- d) Arithmetic Logic Unit

23) Which of the following controls the process of interaction between the user and the operating system?

- a) User interface
- b) Language translator
- c) Platform
- d) Screen saver

24) Which of the following is not the file extension of an image

- a) .jpg
- b) .png
- c) .gif
- d) .html

25) Backing up important files is important because :

- a) Computer devices could fail.
- b) You could accidentally delete a file
- c) Viruses could corrupt your work.
- d) All of the above

26) Modulates outgoing digital signals from a computer to analogue signals of a telephone line

- a) Modem
- b) Speakers
- c) Hard drive
- d) Keyboard

27) Which of the following statements is true?

- a) Minicomputer works faster than Microcomputer
- b) Microcomputer works faster than Minicomputer
- c) Speed of both the computers is the same
- d) The speeds of both these computers cannot be compared with the speed of advanced

28) What type of resource is most likely to be a shared common resource in a computer Network?

- a) Printers
- b) Speakers
- c) Floppy disk drives
- d) Keyboards

29) The cell reference of the first cell in a Microsoft Excel worksheet is called :

- a) A1
- b) B1
- c) 1A
- d) 1B

30) A keyword search will .....

- a) Search only titles.
- b) Work even if you spell a word wrong.
- c) Search title, contents, and subject areas.
- d) Search reference material only.

31) Which is potentially the most current or up-to-date source of information on any topic?

- a. A reference book
- b. A hard copy of a magazine
- c. An article or information from an electronic database
- d. A biographic source

32) Which is NOT true about scholarly journals:

- a) Their articles usually have documentation such as footnotes and references
- b) Their articles are often peer-reviewed
- c) Their articles are usually authored by journalists
- d) None of the above

33) Information literacy is a term that best applies to:

- a) Learners engaging in one to one learning situations
- b) Librarians designing interactive instruction tools
- c) Students enhancing their information technology skills
- d) Students learning to improve their research skills

34) In order to correctly reference information obtained from a print book, which of the following is needed?

- a) URL, date, article title, database name
- b) Author, date, title, place of publication, IP address
- c) Author, date, title, place of publication, publisher
- d) Search engine used, date updated, IP address

35) Which is the best strategy when you find too much information?

- a) Broaden your question
- b) Narrow your question

- c) Change your topic
- d) Only use the first few results

36) The difference between people with access to computers and the Internet and those without this access is known as the:

- a) Digital divide
- b) Internet divide
- c) Web divide
- d) E-illiteracy

37) Why is it unethical to share copyrighted files with your friends?

- a) It is not unethical, because it is legal.
- b) It is unethical because the files are being given for free.
- c) Sharing copyrighted files without permission breaks copyright laws.
- d) It is not unethical because the files are being given for free.

38) A search engine is best described as

- a) A device that allows the computer to be connected to a phone line.
- b) A web site or software that offers searching capabilities.
- c) The brains of a personal computer.
- d) An electronic "booster" you can install for quicker searchers.

39) Which three things should you consider when evaluating a website?

- a) Navigation, structure and format
- b) Layout, Graphics and Publisher
- c) Authority, purpose and currency
- d) None of the above

40) What is the primary purpose of using an encyclopaedia?

- a. To obtain general information about a topic
- b. To find definitions of words
- c. To search for famous quotations
- d. To look up word synonyms

## Section B

*Answer any two questions from this section*

### Question B1

- a. Identify FOUR network topologies and describe them in detail using illustrative diagrams. In your description highlight on the advantages and disadvantages of the topologies. [20]

### Question B2

- Define a computer threats. [2]  
Identify THREE computer threats and explain measures of safe guarding computer systems against the threats and hazards. [18]

### Question B3

- a) Explain FOUR functions of the operating system [8]  
b) Discuss the importance of using the internet in education [12]

## Section C

*Answer any one question from this section.*

### Question C1

- a. Discuss at least five qualities of an Information Literate individual. [10]  
b. Analyse five advantages of multimedia resources. [10]

### Question C2

- a. Journals are useful sources of research information. Discuss the advantages of using this type of information. [10]  
a. List and explain three terms used in the evaluation of information sources. [6]  
b. Distinguish between Information Literacy and Information Technology Literacy. [4]

### Question C3

In relation to qualities of an Information Literate Individual, define what is meant by:

- a. Recognise the need for information – timely (as a basis for intelligent decision-making). [4]  
b. Evaluate information obtained meaningfully. [4]  
c. Organise information obtained effectively for practical application, or in critical thinking and problem-solving situations. [4]  
d. Identify potential source (s) of information – from a vast available. [4]  
e. Develop successful and effective search strategies. [4]

**END OF PAPER**