



ROBERT MUGABE SCHOOL OF EDUCATION AND CULTURE

LEVEL 1 SEMESTER 2

EXAMINATION QUESTION PAPER

MODULE CODE: ICT APPLICATIONS 120

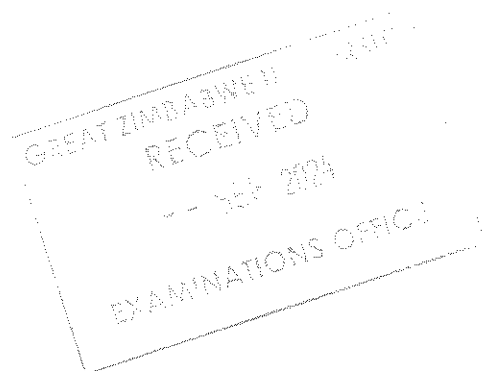
MODULE NARRATION: ICT IN EDUCATION

DATE: 2024

DURATION: 3 HOUR

INSTRUCTIONS:

- Answer **ALL** questions in **Section A**,
- Answer any **TWO** from **Section B**
- Answer **ONE** question from **Section C**



- 1) An output device commonly used by designers and architects for huge pieces of paper is a
 - a) Projector
 - b) Modem
 - c) Plotter
 - d) Printer

- 2) The general name given to extra devices on a computer used for input, output and storage
 - a) External hard disk
 - b) Backing storage
 - c) Peripheral devices
 - d) ICT tools

- 3) Which of the following is NOT a CU function?
 - a) Interpreting instructions
 - b) Sequencing operations
 - c) Controlling follow of data.
 - d) Fetches data for required instructions

- 4) From the keyboard keys, which is most appropriate for alignment of text in neat rows and columns?
 - a) Shift key
 - b) Tab key
 - c) Space bar key
 - d) Caplock key

- 5) A printer used to print bulk electricity bills for clients for a power company is called a
 - a) Laserjet
 - b) Dot Martrix
 - c) Inkjet
 - d) Plotter

- 6) Computer hardware are the physical components of a computer system while software are:
 - a) The components that give out feedback.
 - b) A set of instructions that instruct the computer on how to perform tasks.
 - c) Computer tools that allow input and output
 - d) Computer internal architecture.

- 7) Fraudulent emails that look like they are from banks or shops trying to trick you into sending your details.
 - a) Pharming
 - b) Hacking
 - c) Smishing
 - d) Phishing

8) Graphical User Interface uses.....

- a) Menus, icons, pointers and windows
- b) Menus, databases, windows and commands
- c) Commands, windows, menu and sentences
- d) Menus, icons, windows and text

9) A duplicate copy of the original document on a separate storage medium is also known as

- a) Magnetic tape
- b) Backing store
- c) Main storage
- d) Auxiliary storage

10) In which software program support the use of mail merging.

- a) Spreadsheet software
- b) Presentation software
- c) Word processing software
- d) Database software

11) 111100_2 is base 10

- a) 60
- b) 66
- c) 64
- d) 72

12) When the denary number 19 is converted to its' binary form and represented in 8-bit format it becomes

- a) 01010011
- b) 10011011
- c) 00010011
- d) 10010011

13) Convert 35_{10} to binary (base 2)

- a) 100011_2
- b) 10100_2
- c) 11001_2
- d) 11101_2

14) In which transmission mode is a television categorised.

- a) Half Duplex mode
- b) Duplex duplex mode
- c) Simplex mode

d) Data transmission

15) The Local Area Network use mostly uses for connection of devices.

- a) Satellite
- b) Coaxial cables
- c) Microwave links
- d) Copper cable

16) A school has sought your advice on the best ways to guard its data travelling across networks which method can they adopt.

- a) Use of passwords
- b) Encryption
- c) Backing up data
- d) Installing an anti-virus software

17) MODEM is an acronym for

- a) Modulator –Demodulator
- b) Modulator-Digital
- c) Mobile-Demodulator
- d) Multiplexor-Digital

18) Read Only Memory (ROM) memory chips classified as

- a) Volatile
- b) Non-volatile

19) In which network topology is the look and wait techniques used?

- a) BUS
- b) RING
- c) MESH
- d) STAR

20) On an email address jnimyself@gmail.com the first part before @ represents ...

- a) Domain name
- b) Host
- c) Username
- d) Service provider

21) Complex scientific research is usually done using a

- a) Micro computer
- b) Super computer
- c) Mini computer
- d) Mainframe computer

- 22) In which application package can users create graphs and perform calculations
- a) Database
 - b) Spreadsheet
 - c) Word-processing
 - d) Presentation package
- 23) The set of computer programs that manage the hardware/software of a computer is called.....
- a) Compiler system
 - b) Operating system
 - c) Operation System
 - d) Secondary Memory
- 24) A computer personnel who breaks into computer systems without authorisation is called.....
- a) Programmer
 - b) Data capture clerk
 - c) Hacker
 - d) Translator
- 25) Which of the following are stages in the Data Processing Cycle
- a) Input – Output – Processing- Translation
 - b) Input – Processing – Output – Storage
 - c) Storage – querying – output – backing up
 - d) Processing – backing up – Output- Translation
- 26) Which of the following controls the process of interaction between the user and operating system?
- a) Platform
 - b) Language translator
 - c) User interface
 - d) Memory management
- 27) Identify the device that can be used for both input and visual output.
- a) Visual display Unit
 - b) Optical display
 - c) Bar code reader
 - d) Touch screen
- 28) In Microsoft Excel =MAX (B2:B6) means
- a) Calculating the SUM
 - b) Calculate the average in range
 - c) Print the average score
 - d) Calculate the highest score in range
- 29) refers to the physical arrangement of computers in a network.
- a) Interface
 - b) Architecture

- c) Topology
- d) Secondary Storage

30) All of the following area executed in BIOS, except -----

- a) Memory test
- b) Load application programmes
- c) Print a test page on printer
- d) Load the operating system

31) A keyword search will

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

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

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

33) The main area in a library where you get help with strategy for research project is :

- a) Special collections
- b) Reference
- c) Circulation
- d) Periodicals

34) 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.

35) 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

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37) 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, data, title, place of publication, IP address
- c) The brains of a personal computer
- d) An electronic “booster” you can install for quicker searches

38) A search engine can be described as

- a) A device that allows the computer to be connected to a phone line
- b) A website or software that offers searching capabilities
- c) The brains of a personal computer
- d) An electronic “booster” you can install for quicker searches

39) What 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

40) What are the 3 types of information sources?

- a) Primary, secondary, tertiary
- b) Computer, textbook, newspaper
- c) Human, internet, world wide web
- d) Books journals, internet

Section B

Answer any two questions from this section

Question B1

Discuss any four computer crimes in detail and suggest ways of combating such crimes (20)

Question B2

- i. Explain the following terms in computing :
 - a. Peripheral
 - b. Encryption
 - c. Firewall(9)
- ii. The use of online teaching and learning has risen over the past years. Discuss the merits and demerits of online learning in a school system.
(16)

Question B3

With the aid of diagrams, describe the functionality of any four network topologies highlighting the advantages and disadvantages of each set-up. (20)

Section C

Answer any one question from this section on a separate supplementary answer booklet.

Question C1

- a) Explain what an institutional repository is and what its objectives at a university are? (10)
- b) Print information and electronic information complement each other as sources of information. Discuss the merits and demerits of using each of these sources of information in your academic life. (10)

Question C2

- a. List and explain five advantages of multimedia resources. (10)
- b. List and explain three terms used in the evaluation of information sources. (6)
- c. Distinguish between Information Literacy and Information Technology Literacy. (4)

Question C3

- (a) What are electronic databases (5)
- (b) List and explain 5 advantages of electronic databases (10)

(c) Describe and explain the uses of multimedia in the classroom (5)

----- **END OF EXAMINATION** -----