



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF NURSING, PYHYSIOTHERAPY ,NURSING, COMMUNCITY
HEALTH;HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
END OF SEMESTER EXAMINATION JANUARY-APRIL 2026

AIU 113 Information Communication Technology

TIME: Two Hours
Date : 8th April 2026
TIME : Two (2) Hours Start-----End.....

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B(40 Marks)

Read carefully the additional instructions preceding each section.

Section A: Multiple Choice Questions (60 Marks)

Instructions: Choose the single best answer for each question.

1. Which of the following is an example of application software?
 - a) Windows
 - b) MS Word
 - c) BIOS
 - d) Linux
2. What does CPU stand for?
 - a) Central Processing Unit
 - b) Computer Processing Utility
 - c) Control Program Unit
 - d) Central Program Utility
3. Which device is used to permanently store data?
 - a) RAM
 - b) Cache
 - c) Hard Disk Drive
 - d) Register
4. Which of the following is NOT a type of computer network?
 - a) LAN
 - b) WAN
 - c) MAN
 - d) PANIC
5. Who developed the first algorithm intended for a machine?

- a) Ada Lovelace
 - b) Charles Babbage
 - c) Alan Turing
 - d) John Napier
6. Which of the following is an example of an output device?
- a) Keyboard
 - b) Scanner
 - c) Monitor
 - d) Microphone
7. Which protocol is used for sending emails?
- a) HTTP
 - b) SMTP
 - c) FTP
 - d) IP
8. Which of the following is a characteristic of proprietary software?
- a) Free to modify
 - b) Requires purchase/license
 - c) Open source
 - d) Community-developed
9. What is the main purpose of a firewall?
- a) To store files
 - b) To block unauthorized access
 - c) To speed up the computer

d) To manage memory

10. Which of the following is a valid file extension for a text document?

a) .txt

b) .exe

c) .jpg

d) .mp3

11. Which of the following is a portable storage device?

a) DVD

b) USB flash drive

c) RAM

d) Cache

12. Which software is used to manage large amounts of structured data?

a) Spreadsheet

b) Database Management System

c) Presentation software

d) Word processor

13. What does IP stand for in networking?

a) Internet Protocol

b) Internal Program

c) Integrated Process

d) Information Path

14. Which of the following is a benefit of e-learning?

a) Limited access to materials

- b) Flexibility in learning
- c) Increased travel costs
- d) Reduced digital literacy

15. Which of the following is an example of cyberbullying?

- a) Sending spam emails
- b) Posting harmful comments online
- c) Installing antivirus software
- d) Using a search engine

16. Which of the following is used to transfer files over the internet?

- a) FTP
- b) SMTP
- c) POP3
- d) DNS

17. Which of the following is a desktop operating system?

- a) Android
- b) iOS
- c) Windows
- d) Symbian

18. What is the purpose of a spreadsheet chart?

- a) To calculate values
- b) To visually represent data
- c) To write essays
- d) To store files

19. Which of the following is a feature of cloud computing?

- a) Requires physical installation
- b) Accessible from anywhere with internet
- c) Limited to one device
- d) Deletes data after 30 days

20. Which of the following is a collaboration tool?

- a) Slack
- b) VLC
- c) Photoshop
- d) Notepad

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21. Section B: Matching (20 Marks)

Instructions: Match the term in Column A with its correct description in Column B.

Column A	Column B
1. Trojan Horse	A. Malicious program disguised as legitimate software
2. Bandwidth	B. Maximum data transfer capacity of a network
3. Spreadsheet	C. Software for calculations and data analysis
4. Browser	D. Application used to access the World Wide Web
5. Worm	E. Self-replicating malware that spreads through networks
6. Email	F. Electronic communication method
7. Operating System	G. Software that controls hardware and provides user interface
8. Wi-Fi	H. Wireless networking technology
9. Database	I. Organized collection of related data
10. CSS	J. Language used to style web pages

Section C: Structured Essay Questions (20 Marks Each)

Instructions: Answer any TWO questions from this section.

Question 21: ICT in Business Discuss five ways ICT has transformed business operations and efficiency. (20 Marks)

Question 22: Data Privacy Explain five measures individuals and organizations can take to protect personal data online. (20 Marks)

Question 23: ICT in Education Analyze five benefits and challenges of integrating ICT in classroom teaching. (20 Marks)

Question 24: Emerging Technologies Discuss five emerging ICT trends and their potential impact on society. (20 Marks)