AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
END OF SEMESTER AUGUST 2024 EXAMINATIONS

COURSE CODE AND TITLE: AIU 113: INFORMATION AND COMMUNICATION TECHNOLOGY(ICT)

DATE:

Duration: 2 HOURS   Start: 9:00 AM   Finish: 11:00 AM

INSTRUCTIONS

1. This exam is out of 70 marks
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 marks) Section II: Short Answer Questions (30 marks) and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions.
4. Do Not write anything on the question paper -use the back of your booklet for rough work if need be.

SECTION I: MULTIPLE CHOICE QUESTIONS   (20 MARKS)

1. A firewall is a security system that:
   a. Blocks access to malicious websites.
   b. Speeds up your internet connection
   c. Provides free online storage
   d. All of the above

2. The term "spam" refers to:
   a) Unsolicited commercial email messages
   b) A type of computer virus
   c) A secure way to send confidential information online
   d) A website that allows online shopping

3. What is the difference between the internet and the World Wide Web (WWW)?
   a) The internet is a physical network of cables and routers, while the WWW is a
        software application used to access information on the internet.
   b) The WWW is a physical network of cables and routers, while the internet is a
        software application used to access information on the WWW
   c) There is no difference; they are the same thing
   d) The internet is a social media platform, while the WWW is a way to connect to
        email

4. Which of the following ICT applications is most commonly used for creating and
   editing professional presentations.
   a) Web browser
   b) Spreadsheet software (e.g., Microsoft Excel)
   c) Presentation software (e.g., Microsoft PowerPoint).
   d) Word processing software (e.g., Microsoft Word)

5. Social media platforms like Facebook and Twitter are primarily used for.
   a) Sending and receiving professional emails
   b) Sharing information and connecting with others online in a social context.
   c) Securely storing and sharing confidential documents
   d) Creating and editing professional reports

6. Video conferencing tools like Zoom and Google Meet are most beneficial for.

a) Editing and storing digital photos

b) Conducting real-time meetings and communication with geographically dispersed individuals or groups.

c) Managing and organizing customer relationship data

d) Designing and developing websites

7. Cloud storage services like Dropbox and Google Drive offer.
   a) Free online virus scanning for your computer
   b) Secure and remote storage of data accessible from various. devices
   c) Real-time language translation services
   d) Free online courses on various topics

8. Customer Relationship Management (CRM) software (e.g., Salesforce) is used for:
   a) Creating and editing marketing materials.
   b) Managing and storing customer data and interactions
   c) Designing and developing custom software applications
   d) Performing financial transactions and managing accounts

9. Geographic Information Systems (GIS) software is used for
   a) Creating and editing video content
   b) Analyzing and visualizing geographic data (e.g., maps)
   c) Composing and editing blog posts and articles.
   d) Securely encrypting and decrypting confidential information

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10. When researching online, it's important to consider the:
    a) Popularity of the website.
    b) Credibility and source of the information.
    c) How visually appealing the website is
    d) All of the above

11. Which of the following is NOT a reliable source for academic research?
    a) Peer-reviewed academic journals
    b) Government websites (.gov)
    c) Reputable news organizations with established editorial boards
    d) Blogs with personal opinions and experiences.

12. A good search engine for academic research should allow you to:
    a) Limit your search by publication date
    b) Search for specific keywords within the content of websites
    c) Filter results by source type (e.g., scholarly articles)
    d) All of the above.

13. When evaluating a website as a source, it's important to identify them.
    a) Website design and layout
    b) Author's qualifications and expertise on the topic
    c) Date the information was last updated
    d) Both b & c.

14. A Boolean operator like "AND" in a search query can be used to:
    a) Find websites with similar content
    b) Narrow down your search results by requiring both keywords to be present.
    c) Broaden your search results by including synonyms
    d) Exclude specific terms from your search

15. A good research paper should:
    a) Rely heavily on information found on social media platforms
    b) Properly cite and reference all sources used
    c) Present information without critical analysis or evaluation
    d) Both a & c.

16. Plagiarism involves:
    a) Quoting information from a source without proper citation.
    b) Summarizing information from a source in your own words with proper citation
    c) Accidentally misspelling the name of an author in your reference list
    d) Both a & c

17. Cyberbullying is a form of harassment that occurs.
    a) In person only
    b) Online and through electronic communication.
    c) Through physical violence
    d) Solely in video games

18. A common challenge associated with social media is.
    a) Limited access to information and resources
    b) Potential for misinformation and fake news to spread.
    c) Lack of interactivity and communication
    d) Difficulty in finding specific content online

19. Digital addiction refers to.
    a) The excessive and problematic use of digital devices and online platforms
    b) The fear of being without access to technology
    c) The inability to complete daily tasks due to constant online distractions
    d) All of the above.

20. A responsible digital citizen.
    a) Shares misinformation and fake news online
    b) Uses the internet for illegal activities
    c) Practices safe and responsible online behaviour.
    d) Disregards the privacy of others online

SECTION II: SHORT ANSWER QUESTIONS   (30 MARKS)

1. Match the items on the right to make the statements correct- (9 Marks

Column A	Column B
Hardware	a) Software application used for creating presentations
Software	b) Physical components of a computer system (e.g., monitor, keyboard)
Network	c) A collection of interconnected devices that can communicate with each other
Internet	d) A global network of interconnected computer networks
World Wide Web (WWW)	e) A system of interconnected websites and documents accessible through the internet
Email	f) A method of sending and receiving electronic messages over a network
Cloud storage	g) Storing data on remote servers accessed over the internet
Website	h) A collection of web pages related to a particular domain name
Firewall	i) A security system that controls incoming and outgoing network traffic
Spam	j) Unsolicited commercial email messages

2. Outline the three main components of ICT (3marks)
3. Distinguish between hardware and software (5 Marks)
4. Highlight the purpose of a search engine (2 Marks)
5. Outline four benefits using cloud storage (4 Marks)
6. State two key considerations for online safety (2 Marks)
7. Differentiate between a website and a web page(4Marks)
8. State the meaning of the term "bandwidth" refer to in ICT(2Marks)

SECTION III: LONG ANSWER QUESTION –   (20 MARKS)

1. You are a community health nurse who relies heavily on your laptop to manage your client's data and social media presence while traveling the world. Unfortunately, your laptop has just crashed, and you're stuck in a remote location with limited internet access. All your travel photos, blog posts, data sets and social media content are on the laptop's hard drive.
    Challenge:
    a) Identify the potential problems you face in this situation(5Marks)
    b) Discuss the various computer applications to access and potentially recover your data, or at least continue managing your blog, data sets and social media while your laptop is out of commission (15 Marks)