UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
PROGRESSIVE ASSESSMENT EXAMINATIONS
ACADEMIC YEAR 2025/2026

PROGRAMME(S): DIPLOMA IN INFORMATION TECHNOLOGY FOR BUSINESS (DITB)

YEAR OF STUDY: ONE SEMESTER TWO

COURSE: PRINCIPLES OF E-BUSINESS AND WEB DESIGN

COURSE CODE : ICT2203

DATE: WEDNESDAY 24TH, JUNE 2026

TIME: 2:00PM – 5:00 PM

DURATION: 3 HOURS

VENUE: ELECTRONICS LAB, ITU, SEMINAR ROOM, SMART IDEAS LAB (HUB), LAB 1, LAB 2, LAB 3

INSTRUCTIONS:

This paper consists of two sections A and B.

Attempt ALL questions in section A and any ONE question in section B

SECTION A.

Attempt all the questions in this section.

1. What is the primary difference between e-business and e-commerce?
A. E-commerce is broader than e-business
B. E-business includes all business activities conducted electronically, while e-commerce focuses mainly on buying and selling online
C. They are exactly the same
D. E-business only applies to banks

2. Which of the following is an example of e-commerce?
A. Employee payroll processing
B. Online purchase of a laptop
C. Internal company communication
D. Human resource management

3. Which type of e-commerce involves transactions between businesses?
A. B2C
B. C2C
C. B2B
D. C2B

4. A group of coffee farmers in Gomba decided to launch a digital platform. On this platform, individual smallholder farmers can list their personal, excess organic fertilizers and locally made bypass pruners to sell directly to other smallholder farmers in neighboring villages. The platform handles the communication, but the payments and deliveries are arranged directly between the individual farmers themselves.

Which type of e-commerce business model is this platform operating under?

A. Business-to-Consumer (B2C)

B. Consumer-to-Consumer (C2C)

C. Business-to-Business (B2B)

D. Government-to-Citizen (G2C)

5. Which of the following is a unique feature of e-commerce?
A. Physical interaction is required
B. Global reach
C. Limited operating hours
D. Paper-based transactions

6. E-commerce has impacted businesses by:
A. Increasing geographical barriers
B. Reducing market access
C. Expanding customer reach globally
D. Eliminating competition

7. Which type of e-commerce allows individuals to offer products or services to businesses?
A. B2C
B. C2B
C. B2B
D. C2C

8. An online store selling products directly to customers is an example of:
A. B2B
B. B2C
C. C2C
D. P2P

9. The first stage in developing an e-commerce website is:
A. Testing
B. Maintenance
C. System Conceptualization
D. Implementation

10. System analysis involves:
A. Identifying user requirements
B. Advertising the website
C. Hosting the website
D. Creating payment methods only

11. Which phase focuses on creating the structure and appearance of the website?
A. Testing
B. Design
C. Maintenance
D. Evaluation

12. The process of checking whether a website functions correctly is called:
A. Planning
B. Implementation
C. Maintenance
D. Testing

13. Installing and launching the completed website is known as:
A. Conceptualization
B. Analysis
C. Implementation
D. Evaluation

14. Correcting errors after deployment is part of:
A. Testing
B. Maintenance
C. Analysis
D. Planning

15. Which activity belongs to system planning?
A. Determining project objectives
B. Selling products

C. Processing payments
D. Encrypting data

16. User acceptance testing is carried out to:
A. Generate website traffic
B. Ensure users are satisfied with the system
C. Increase profits
D. Improve internet speed

17. Inter-organizational transactions occur between:
A. Two or more organizations
B. A company and a customer
C. Consumers only
D. Government agencies only

18. Which business model is used when a wholesaler sells goods to a retailer online?
A. B2C
B. C2C
C. B2B
D. P2P

19. Which of the following is an example of a C2C platform?
A. Online supermarket
B. Government website
C. Consumer marketplace website
D. Corporate intranet

20. P2P stands for:
A. Product-to-Person
B. Peer-to-Peer
C. Purchase-to-Purchase
D. Personal-to-Product

21. Electronic Data Interchange (EDI) is used for:
A. Sending handwritten letters
B. Exchanging business documents electronically
C. Creating social media accounts
D. Designing websites

22. EFT stands for:
A. Electronic Fund Transfer
B. Electronic File Testing
C. External Fund Technology
D. Electronic Finance Tracking

23. Which document is commonly exchanged through EDI?
A. Invoice
B. Passport
C. Birth Certificate
D. Driving Permit

24. Which business model allows freelancers to offer services to companies?
A. B2B

B. C2B
C. B2C
D. G2G

25. Electronic payment refers to:
A. Paying with cash only
B. Digital transfer of money for goods and services
C. Barter trade
D. Credit sales only

26. Which of the following is an electronic payment method?
A. Cash
B. Cheque only
C. Mobile money
D. Barter system

27. A student is developing a multi-section layout for a business website. They want a three-column layout where a sidebar nav container (<nav>) sits on the left, the main article (<main>) sits in the middle, and an announcement section (<aside>) sits on the right. After writing the HTML, they apply float: left; and a explicit width of 33.3% to all three elements in CSS.

During testing, they notice that the <aside> element breaks out of alignment and drops completely below the other two columns. Which of the following is the most likely structural cause of this layout failure?

A. The browser does not support semantic tags like <nav>, <main>, or <aside> simultaneously.

B. Floating elements automatically clear themselves if they are not wrapped inside a standard tag.

C. Margin, padding, or borders added to the elements pushed the total calculated width of the columns beyond 100%.

D. The float: left; property should only be applied to the middle column, while the others should use float: right;.

28. Which technology is widely used for mobile money transfer services in Uganda?
A. SMS and mobile networks
B. Fax machines
C. Typewriters
D. Postal services

29. A key advantage of mobile payments is:
A. Increased transaction time
B. Convenience and accessibility
C. Need for physical cash
D. Limited reach

30. One challenge facing mobile payments is:
A. Fast transactions
B. Wide accessibility

C. Security concerns and fraud
D. Customer convenience

31. Which of the following is NOT an electronic payment method?
A. Debit card
B. Credit card
C. Mobile wallet
D. Paper currency exchange

32. Mobile commerce is best described as:
A. Buying and selling through mobile devices
B. Selling only mobile phones
C. Manufacturing mobile devices
D. Repairing mobile phones

33. The main purpose of encryption is to:
A. Speed up websites
B. Protect information from unauthorized access
C. Increase sales
D. Design web pages

34. Authentication is used to:
A. Verify a user's identity
B. Increase internet speed
C. Reduce storage space
D. Create advertisements

35. Which of the following is a threat to e-commerce transactions?
A. Secure passwords
B. Data theft
C. Firewalls
D. Encryption

36. SSL/TLS protocols are used to:
A. Create databases
B. Secure communication channels
C. Design websites
D. Compress files

37. Privacy policies are important because they:
A. Explain how customer data is collected and used
B. Increase product prices
C. Reduce internet access
D. Eliminate online transactions

38. Which security measure helps protect customer accounts?
A. Weak passwords
B. Multi-factor authentication
C. Shared passwords
D. Public login credentials

39. A website goal should be established during:
A. Site planning

B. Website maintenance
C. Marketing only
D. Data entry

40. Which website design principle improves user experience?
A. Complex navigation structure
B. Consistent layout and easy navigation
C. Excessive animations
D. Random page organization

SECTION B

Use either **VS CODE or Dreamweaver tool** to **DO** this section**.**

Greater Masaka Farmers Cooperative Union (GMFCU) is an organization in Greater Masaka sub-region that supports farmers by providing agricultural training, market information, and access to farming resources. The organization wants to develop a simple website to promote its activities and connect with farmers.

You have been assigned the task of designing the website named **"Greater Masaka Farmers Cooperative Union"**.

Requirements:

a) Create a folder with your details
b) Generate a structure for **GMFCU** web page with a file name – Your name and registration number. **(05 Marks)**

i) <!DOCTYPE html>
ii) <html>, <head>, and <body> tags.
iii) A suitable page title.
iv) Proper opening and closing of HTML tags.

(b) Structure the page created using the following tags; **(8 Marks 2 for @)**

(i) nav – all links should be in there
(ii) header – a suitable **header** for GMFCU
(iii) 3 sections – with an id selector attached to each section
(iv) footer – the footer should include your details and date of creation

c) Add the following content to the page created: **(9 Marks 1 for @)**

(i) A main heading: **"Welcome to Greater Masaka Farmers Cooperative Union"**
(ii) Generate a brief introduction about the cooperatives. Create 2 paragraphs and 2 headings.
(iii) Information about farming activities in Uganda. It should hold at least two paragraphs.
(iv) Apply the following text formatting to some of the content in the created page:

- Bold text
- Italic text
- Underlined text
- Different font sizes
- Different font colours
- Centre alignment for selected headings.

d) (i) Create a list of services provided by the cooperative using either ordered or unordered lists:

(**05 Marks**)

- Farmer training
- Seed distribution
- Market linkage
- Agricultural advisory services

(ii) Insert the information below using the appropriate tags about farmer training sessions

(**04 Marks**)

Date	**Topic**	**Venue**
10/07/2026	Modern Farming	Kyotera
15/07/2026	Poultry Keeping	Lyantonde
20/07/2026	Crop Management	Sembabule

(iii) Apply borders and align headings to the right of each cell. (**02 Marks**)

e) Adding the following to the web page created: (**07 Marks 1 @**)
(i) Insert an image showing a farming activity.
(ii) Resize the image.
(iii) Add alternative text to the image.
(iv) Insert horizontal rules to separate sections.
(v) Create hyperlinks to:

- A contact page (contact.html)
- A farming resource website.

(vi) Apply a background colour or background image to the webpage.

f) Add the following:
(i) A scrolling message: (**02 Marks**)
"Empowering Ugandan Farmers Through Technology"
(ii) Create a Registration form containing: (**12 Marks**)

- Farmer Name

- Telephone number
- Email address
- Gender
- Comments/feedback area
- Submit button

g) Create a simple multi-section webpage layout using columns containing: (4 Marks)

(i) A top section displaying the cooperative name.
(ii) A navigation section containing links.
(iii) A main content section displaying information.

h) Briefly state why you chose your specific column layout strategy for the GMFCU website, and identify one accessibility issue a rural farmer might face when interacting with it (2 marks)

END