

ABUAKWA M/A JUNIOR HIGH SCHOOL "B"

END OF SECOND TERM EXAMINATION

CLASS: **J.H.S 1** SUBJECT: **COMPUTING** YEAR: **APRIL 2025**

MARKING SCHEME

OBJECTIVES

(40 marks)

1. B	11. C	21. C	31. B
2. C	12. A	22. B	32. C
3. B	13. B	23. D	33. D
4. A	14. C	24. D	34. D
5. D	15. C	25. D	35. A
6. C	16. D	26. B	36. C
7. B	17. C	27. B	37. B
8. A	18. B	28. D	38. B
9. D	19. C	29. A	39. A
10. A	20. A	30. A	40. B

SECTION B

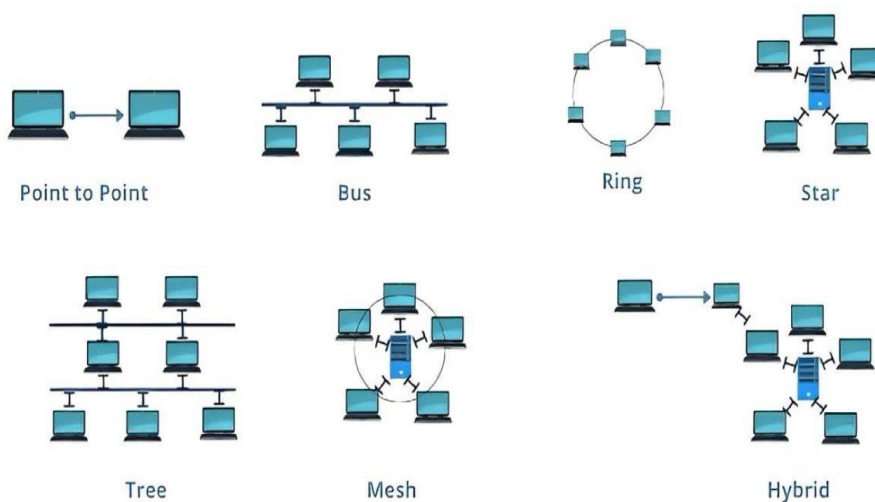
Answer question 1 and any other 3 questions

COMPULSORY (24 marks)

Q1. a) In diagrams name and explain four types of network topologies.

(16 marks)

TYPES OF NETWORK TOPOLOGIES



b). Write three advantages of networking your school computers (6marks).

Expected Answers (Any three for full marks):

- 1. Sharing of Resources –**
Computers in the school can share devices like printers, scanners, and internet access. (2marks)
- 2. Easy Communication –**
Students and teachers can easily exchange messages, files, and assignments over the network. (2marks)
- 3. Centralized Data Storage –**
Files and important data can be saved in one place (like a server), making it easy to access and manage. (2marks)

Marking Guide:

- Award **2 marks** for each valid point with a clear explanation.
- If a point is mentioned without explanation, award **1 mark**.

C). Write two hardware devices used in computer network. (2 marks)

Expected Answers (Any two for full marks):

1. **Router** – A device that connects different networks and directs data between them.
(1 mark)
2. **Switch** – A device that connects computers within a network and allows them to communicate.
(1 mark)

Other acceptable answers:

- Network Interface Card (NIC)
- Hub
- Modem

Marking Guide:

- Award **1 mark** for each correct device mentioned.
- No explanation required.

Q2. a) Explain the following terms and give an example to support your answers:
(6marks)

i. Presentation Software

- A type of software used to create slideshows for displaying information to an audience.
- It allows the use of text, pictures, animations, and sound.
- Example: **Microsoft PowerPoint**
(3 marks: 2 marks for explanation, 1 mark for correct example)

ii. Microsoft Excel

- A spreadsheet software used for calculations, data organization, and creating charts.
- It allows users to enter data in rows and columns and perform mathematical functions.
- Example: Used to prepare a **class score sheet** or **budget planning**.
(3 marks: 2 marks for explanation, 1 mark for correct example)

Marking Guide:

- Award **2 marks** for a correct and clear explanation.
- Award **1 mark** for a correct and relevant example.
- Total: **6 marks**

Q2. b) Write the full sentence for each of the following acronyms: (6 marks)

I. **LAN** – Local Area Network
(2 marks)

II. **MAN** – Metropolitan Area Network
(2 marks)

III. **PAN** – Personal Area Network
(2 marks)

Marking Guide:

- Award **2 marks** for each correctly written full form.
- No mark for partial or incorrect spelling.
- Total: **6 marks**

Q3. a) State three differences between manual and electronic spreadsheet in a table form. (6 marks)

Point	Manual Spreadsheet (1 mark each)	Electronic Spreadsheet (1 mark each)
1	Data is entered and calculated by hand.	Data is entered and calculated automatically using formulas.
2	Changes are made by erasing or rewriting by hand.	Changes are made quickly by editing on the computer.
3	Difficult to store and share; done on paper.	Easy to store and share; done on a computer or device.

Marking Guide:

- Award **1 mark** for each correct point under **Manual Spreadsheet**.
- Award **1 mark** for each correct corresponding point under **Electronic Spreadsheet**.
- Total: **6 marks**.

Q3. b) State three advantages of using spreadsheet application (6marks)

1. **Performs automatic calculations** – A spreadsheet can quickly calculate sums, averages, and other functions using built-in formulas.
Award 2 marks
2. **Easy to edit and correct data** – Users can easily make changes to numbers or formulas without having to redo the entire work.
Award 2 marks

3. **Data organization and storage** – Information can be arranged neatly in rows and columns, making it easier to read and understand.
Award 2 marks

Total: 6 marks

- Award 2 marks for each correct and well-explained point.
- Award 1 mark for partially correct or vague answers.
- Do not award marks for repeated or unrelated points.

Q4. a) State two challenges of networking (4marks)

1. **Security threats** – Networks can be attacked by hackers or affected by viruses, leading to data loss or theft.
Award 2 marks
2. **High setup and maintenance cost** – It can be expensive to install and maintain a network, especially for large organizations.
Award 2 marks

- Award **2 marks** for each correct and clearly explained challenge.
- Award **1 mark** for a partially correct or vague explanation.
- Maximum: **4 marks**

b) State two disadvantages of social media. (4marks)

1. **Cyberbullying** – People can use social media to harass or bully others online.
Award 2 marks
2. **Addiction and time wasting** – Spending too much time on social media can reduce productivity and affect studies or work.
Award 2 marks

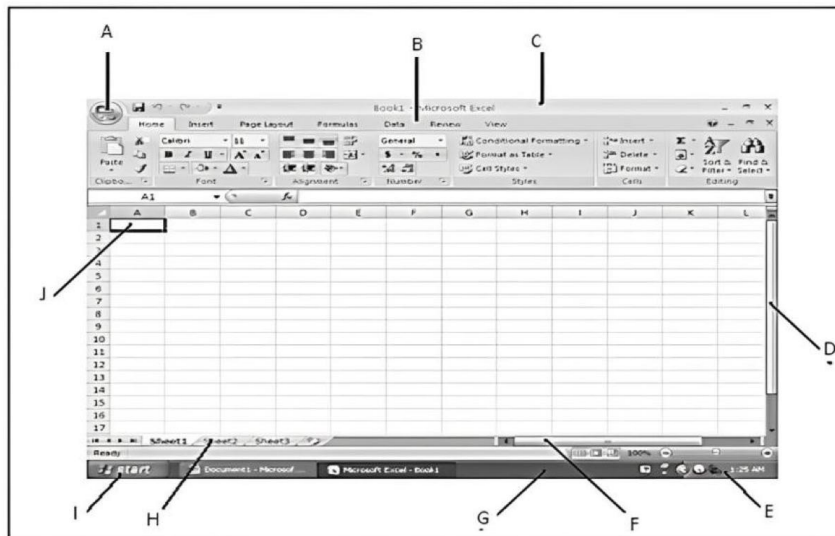
- Award **2 marks** for each well-stated and explained point.
- Award **1 mark** for partially correct or unclear responses.
- Maximum: **4 marks**
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c) Explain the term intranet. (4 marks)

An intranet is a **private network** used inside a school, business, or company. It helps people in the same place to **share information**, **send messages**, and **work together**. Only people inside the organization can use it, **not the public**.

1. States that it is a private/internal network – 2 marks
 2. Mentions its use (e.g., sharing information, communication, teamwork) – 2 marks
- Full explanation = 4 marks
 - Partial or basic explanation = 2–3 marks
 - Vague or unclear response = 1 mark
 - Incorrect answer = 0 mark

Q5. Use the diagram below to answer questions a – c



5a). Microsoft Excel (1mark)

b) Name the part labelled A,B,C,D,E,F,G,H,I,J (10marks)

- | | |
|------------------------|--------------------------|
| A. Office Button | F. Horizontal Scroll bar |
| B. Ribbon | G. View Shortcuts |
| C. Title bar | H. Sheets Tab |
| D. Vertical Scroll bar | I. Status bar |
| E. Zoom Control | J. Cell |

c). The letters in the application represents the different elements of the Microsoft Excel Interface. (1mark)