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Computer Applications Technology

Paper 2: Theory (Memorandum)

Grade 10

Date: 3 March 2026

Time: 1 Hour

Marks: 50

Examiner: Ms. M. Hugo

Moderator: Mrs T. Themba

*Themba
27/02/26*

SECTION A

Question 1: Matching Columns (L1)

- 1.1 I (Spooling) ✓
- 1.2 G (Tooltip) ✓
- 1.3 J (Bluetooth) ✓
- 1.4 A (Mouse) ✓
- 1.5 H (C: Drive) ✓

SUBTOTAL (QUESTION 1) [5]

Question 2: True / False (L1)

- 2.1 False, hard ✓
- 2.2 True ✓
- 2.3 False, presentation ✓
- 2.4 False, GUI (Graphical User Interface) ✓
- 2.5 True ✓

SUBTOTAL (QUESTION 2) [5]

Question 3: Multiple Choice Question (L1)

- 3.1 B ✓
- 3.2 B ✓
- 3.3 A ✓
- 3.4 C ✓
- 3.5 D ✓

SUBTOTAL (QUESTION 3) [5]
TOTAL FOR SECTION A [15]

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SECTION B

Question 4: System Technology

4.1 Any ONE of: ✓

- Portable / easy to carry
- Can be used anywhere
- Built-in battery (can work during power outages for a limited time)
- Takes up less space
- All components built into one unit

(1) (L2)

4.2.1 The monitor / screen ✓

(1) (L1)

4.2.2 Any one of: ✓

- The screen resolution *resolution* ✓
- The number of pixels on the screen
- 1920 pixels horizontally and 1200 pixels vertically

quality ✓

(1) (L2)

4.2.3 It refers to the response time of the screen / The time it takes for a pixel to change from one colour to another ✓ *speed of which the screen shows things* ✓

Effect on gaming (any one explanation): ✓

- Lower response time reduces ghosting
- Reduces motion blur
- Reduces lagging / Provides smoother gameplay

(2) (L2&3)

4.3 Windows 11 Home ✓

(1) (L1)

4.4 Three functions: ✓✓✓

- Manages hardware and software
- Provides the user Interface
- Provides/Maintains basic security

(3) (L2)

4.5.1 16 GB ✓

(1) (L1)

4.5.2 Memory stores the programs and data that is currently in use. ✓

(1) (L2)

stores data and instructions while computer is working

4.5.3 Memory is volatile as it loses its contents when the power is switched off. ✓

(1) (L2)

4.5.4 Any TWO of the following differences: ✓✓

- SSD is electronic compared to HDD which is magnetic
- SSD transfers data faster than HDD
- SSD is more durable than HDD as it has no moving parts
- SSD is quieter than HDD as it has no moving parts
- SSD is more energy efficient than HDD
- SSD is not prone to electrical interference whereas an HDD is.
- SSD is more expensive per GB than HDD.
- SSD is physically smaller in size compared to HDD.

(2) (L4)

4.5 Has its own processor and memory which improves graphics capabilities for tasks such as gaming. ✓ *Handles the processing.*

(1) (L2)

SUBTOTAL (QUESTION 4) [15]

Section 1: Introduction

- The purpose of this document is to provide a comprehensive overview of the project's objectives and scope.
- This document is intended for the project team and stakeholders.
- The project is expected to be completed by the end of the year.
- The project will be managed using a agile methodology.
- The project budget is estimated to be \$1,000,000.

Section 2: Objectives

- The primary objective of the project is to develop a new software application that meets the needs of our customers.
- The secondary objectives of the project are to improve the user experience and reduce the time to market.
- The project will also aim to increase the company's revenue and market share.

Section 3: Scope

- The project will include the development of a new software application, including the design, development, testing, and deployment phases.
- The project will also include the implementation of a new database system and the integration of the new application with existing systems.
- The project will not include the development of a new website or the implementation of a new marketing campaign.

Section 4: Resources

- The project will require a team of software developers, testers, and project managers.
- The project will also require access to a development environment and a testing environment.
- The project will require a budget of \$1,000,000.

Section 5: Risks

- The project is at risk of being delayed due to the complexity of the software application.
- The project is at risk of exceeding the budget due to the high cost of development and testing.
- The project is at risk of not meeting the needs of our customers due to a lack of communication and collaboration.

Section 6: Conclusion

- The project is a high-priority initiative for the company and is expected to have a significant impact on our business.
- The project team is committed to delivering a high-quality software application that meets the needs of our customers.
- The project will be managed using a agile methodology and will be completed by the end of the year.

Section 7: Appendix

- Appendix A: Project Charter
- Appendix B: Project Plan
- Appendix C: Risk Register

Question 5: System Technology and Social Implications

- 5.1.1 Start menu / button ✓ *Windows icon / window.* (1) (L1)
- 5.1.2 Taskbar ✓ (1) (L1)
- 5.1.3 Shortcuts ✓ (1) (L1)

- 5.2.1 input ✓ (1) (L1)
- 5.2.2 communication ✓ (1) (L1)
- 5.2.3 output ✓ (1) (L1)

- 5.3.1 RSI ✓ (1) (L1)
- 5.3.2 Ergonomics ✓ (1) (L1)
- 5.3.3 HDMI ✓ (1) (L1)
- 5.3.4 Laser (1) (L1)

- 5.4 Data: Raw, unprocessed facts ✓
Information: Processed data that is meaningful and useful ✓ *Stores info on hard drive* (2) (L2)
- 5.5.1 Builds objects layer by layer ✓ / Print head melts filament and forms shape (1) (L2)
- 5.5.2 Filament ✓ (1) (L2)
- 5.5.3 Any ONE advantage: ✓
 - Can create custom objects
 - Rapid prototyping
 - Useful for models and spare parts
 - Encourages creativity*Things that is 3 dimensional and a real object.* (1) (L5)
- 5.5.4 Any ONE disadvantage. ✓
 - Slow printing time
 - Limited material types
 - Requires technical knowledge
 - Can produce fumes / smelly / noisy*Takes time, time consuming.* (1) (L5)
- 5.6.1 Any ONE of: ✓
 - Google Drive
 - Microsoft OneDrive
 - Dropbox
 - iCloud(1) (L1)

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5.6.2 Any TWO of: ✓✓

- Access files from any device with internet access
- Changes in one place – all devices always have latest version
- Automatic backup – data accessible even if computer crashes or is stolen
- Easy file sharing
- Saves space on local device
- Reduced risk of data loss

(2) (L2)

5.6.3 Any ONE of (no cost in answer): ✓~~pid~~

- Requires internet connection
- Security/privacy risks - No control over backup and security
- Slower access if internet is slow

(1) (L5)

viruses.
login details (✓)

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|------------------------------|-------------|
| SUBTOTAL (QUESTION 5) | [20] |
| TOTAL FOR SECTION B | [35] |
| GRAND TOTAL | [50] |

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