

**UNIVERSITY COLLEGE TATI (UC TATI)****FINAL EXAMINATION QUESTION BOOKLET**

COURSE CODE : DCT 1053

COURSE : INTRODUCTION TO OPERATING  
SYSTEM

SEMESTER/SESSION : 2 – 2023/2024

DURATION : 3 HOURS

**Instructions:**

1. This booklet contains 5 questions. Answer **ALL** questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hands and ask the invigilator.

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO****THIS BOOKLET CONTAINS 3 PRINTED PAGES INCLUDING COVER PAGE**

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**QUESTION 1**

- a) Define operating system. (2 marks)
- b) Describe **FOUR (4)** components of operating system. (8 marks)
- c) Give **THREE (3)** categories of RAM. (3 marks)
- d) State **FOUR (4)** examples of secondary storage. (4 marks)
- e) List **THREE (3)** activities involved in process management. (3 marks)

**QUESTION 2**

- a) List **FOUR (4)** features of graphical user interface. (4 marks)
- b) Classify **TWO (2)** primary types of user interface. (4 marks)
- c) Device management is connecting with every available peripheral device. State **FOUR (4)** examples of their responsibilities. (4 marks)
- d) Give **FOUR (3)** file access responsibilities. (3 marks)
- e) Identify **FOUR (4)** importance of the file manager. (4 marks)
- f) State **TWO (2)** stages involves in booting process. (2 marks)

**QUESTION 3**

- a) Define MS-DOS. (2 marks)
- b) Give **THREE (3)** importance of MS-DOS. (3 marks)
- c) State the function of these DOS command:
  - (i) DIR (1 mark)
  - (ii) DEL (1 mark)
  - (iii) REN (1 mark)
  - (iv) TREE (1 mark)
- d) There are **THREE (3)** formats that create special areas on disk. Discover **THREE (3)** elements that reflects to the formats of special area. (6 marks)
- e) Explain **TWO (2)** examples of DOS error messages. (4 marks)

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**QUESTION 4**

- a) Explain **THREE (3)** Windows 8 features. (6 marks)
- b) List **FOUR (4)** examples of Windows 7 operating system editions. (4 marks)
- c) Give **THREE (3)** Windows 7 system requirements. (3 marks)
- d) Discuss **THREE (3)** upgrade paths of windows operation. (6 marks)
- e) Windows 11 has a modern design and some new features that make it stand out from its predecessor. State **FOUR (4)** advantages of upgrading to Windows 11. (4 marks)
- f) In your opinion, please justify does Windows 11 support for all older software. (3 marks)

**QUESTION 5**

- a) State **FOUR (4)** examples of Linux distributions. (4 marks)
- b) Describe **THREE (3)** advantages of Linux for users. (6 marks)
- c) Differentiate **TWO (2)** compatibility factors of Windows and Mac OS. (4 marks)

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