



UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET

COURSE CODE	: FCT 1053
COURSE	: COMPUTER ASSEMBLY & CONFIGURATION
SEMESTER/SESSION	: 2-2024/2025
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

COMPUTER ASSEMBLY & CONFIGURATION (FCT 1053)

QUESTION 1

- a) Describe about Electrostatic Discharge (ESD). (2 marks)
- b) How many volts of static electricity before a person can feel ESD? (1 mark)
- c) What is terms form factor is referred to? (2 marks)
- d) List **FOUR (4)** examples of desktop form factors. (4 marks)
- e) State **THREE (3)** most common voltage supplied by power supply. (3 marks)
- f) Describe **FOUR (4)** facts about Computer Processer Unit (CPU). (4 marks)
- g) List **THREE (3)** types of storage devices. (6 marks)

QUESTION 2

- a) State **FOUR (4)** benefits of regular preventive maintenance on PC. (4 marks)
- b) Identify **THREE (3)** components that always dust accumulation. (3 marks)
- c) Construct **SIX (6)** troubleshooting process in computer. (12 marks)
- d) Why it is crucial to gain logical approach while troubleshooting? (2 marks)

QUESTION 3

- a) The process to identify a problem, a process with customer or user is needed. Identify **TWO (2)** techniques in a question. (4 marks)
- b) In Step 4 of troubleshooting "Establish a plan of action to resolve the problem and implement the solution". Identify **FIVE (5)** sources can technician found to help troubleshooting process. (5 marks)
- c) There are some common hardware problems. Identify **FIVE (5)** related with CPU and memory. (5 marks)
- d) Describe the following reference tools.
 - i. Notes (2 marks)
 - ii. History of repairs (3 marks)
 - iii. Online forums (2 marks)

QUESTION 4

- a) Based on your knowledge in computer maintenance, where we can find the details about computer model and brand. State **TWO (2)** of the location. (2 marks)
- b) Draw operating system diagram. (6 marks)
- c) Explain **FOUR (4)** features between Windows 7 and Windows 10. (8 marks)
- d) State **THREE (3)** the most popular Operating System (OS) family (3 marks)

QUESTION 5

- a) Identify the hardware that can be upgraded in computer systems. (5 marks)
- b) Differentiate the processor architecture 32-bit with the 64-bit architecture. In terms of memory. (2 marks)
- c) List **TWO (2)** partition scheme standard in hard drive partitioning. (2 marks)

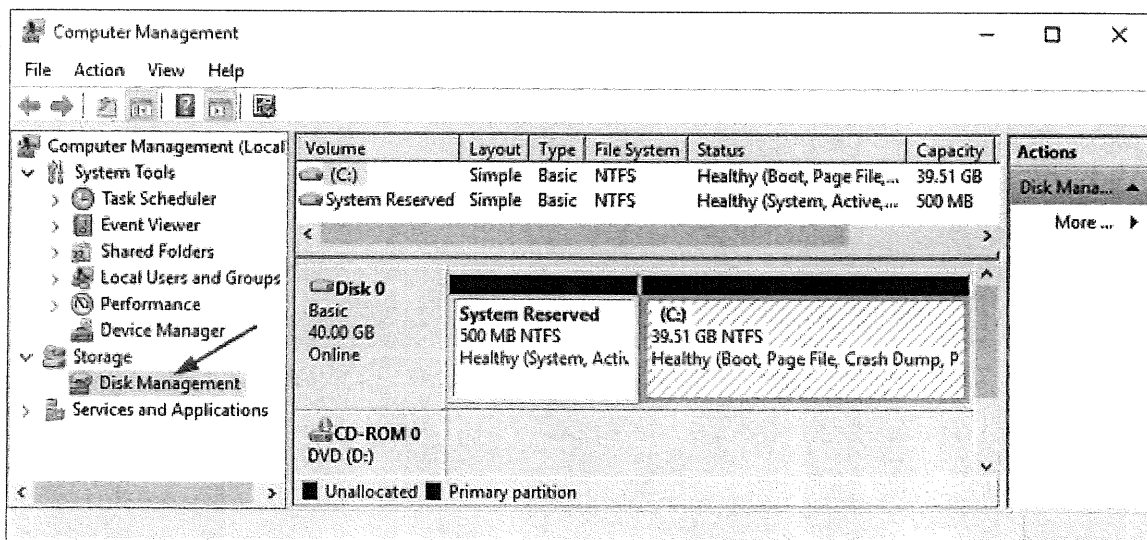


Figure 1: Disk management utility

- d) Carry out steps to make new partition from condition as figure 1. (6 marks)
- e) Explain about Windows update features in Windows operating systems. (2 marks)

..... End of Question.....

