UNIVERSITY COLLEGE
TATI

UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET	
COURSE CODE	: BCS1313
COURSE	: INFORMATION TECHNOLOGY AND SYSTEM
SEMESTER/SESSION	: II-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 4 PRINTED PAGES INCLUDING COVER PAGE

QUESTION 1

a) Identify **FIVE (5)** uses of the computer in everyday life.   (5 Marks)

b) Describe the purpose of below devices with **TWO (2)** examples.   (6 Marks)

    i.   Storage devices

    ii.   Communications devices

c) Give **FOUR (4)** basic categories of computers.   (4 Marks)

d) Compare the following terms below: (4 Marks)
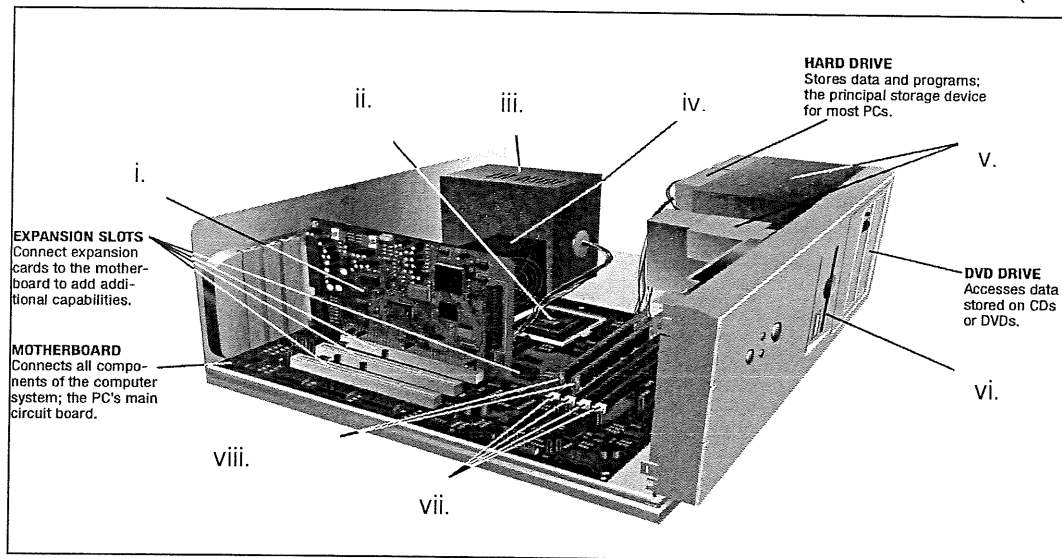
    i.   Data

    ii.   Information

QUESTION 2

a) Define the terms below: (2 Marks)

    i.   Bandwidth

    ii.   Broadband

b) Compare between Modulation and Demodulation.   (4 Marks)

c) List **FIVE (5)** examples of Wireless Media.   (5 Marks)

d) Draw the differentiation between Analog and Digital Data.   (6 Marks)

e) Define about Nanotechnology.   (2 Marks)

QUESTION 3
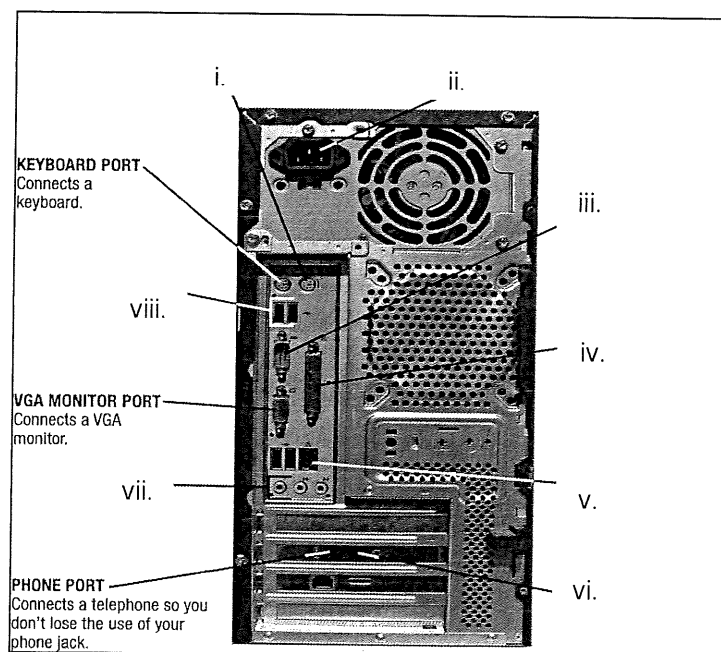
a) List **SIX (6)** phases of System Development Life Cycle (SDLC).   (6 Marks)

b) Sketch a Desktop and System Unit with **THREE (3)** input devices and **TWO (2)** output devices.   (7 Marks)

c) Explain **TWO (2)** purposes of SDLC.   (4 Marks)

QUESTION 4

a) Describe about Binary System. (3 Marks)

b) Explain about ASCII and EBCDIC coding system. (4 Marks)

c) Label the name for (i to ix) in Figure 1 below: (8 Marks)

Figure 1: Components of System Unit

d) Name the label (i to x) in Figure 2 below: (8 marks)

Figure 2: Ports

e) Identify **FIVE (5)** strategies for faster and better computers. (5 Marks)

QUESTION 5

a)   Explain the terms below: (6 Marks)

    i.   Enterprise

    ii.   Enterprise Computing

    iii.   Information System

b)   Identify **FOUR (4)** management activities in Enterprise Computing.   (4 Marks)

c)   Define the terms below: (4 Marks)

    i.   Distribution systems

    ii.   Management Information System (MIS)

d)   Identify **THREE (3)** strategies that can be used to manage the interaction with customers.   (3 Marks)

---**End of question**-------------------------------------