



## UNIVERSITY COLLEGE TATI (UCTATI)

## FINAL EXAMINATION QUESTION BOOKLET

COURSE CODE	: BCS1313
COURSE	: INFORMATION TECHNOLOGY AND SYSTEM
SEMESTER/SESSION	: 1 2022/2023
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 up your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

THIS BOOKLET CONTAINS 5 PRINTED PAGES INCLUDING COVER PAGE

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**QUESTION 1**

- a) A Website is a collection of web pages (documents that are accessed through the Internet). List **THREE (4)** types of website. (4 marks)
- b) Describe an Internet Protocol (IP) address. (2 marks)
- c) Your company has proposed to have homepage for the company. You have been appointed as an analyst programmer and needs to determine the method in implementing the homepage. Explain **FIVE (5)** the steps for developing home page. (10 marks)
- d) Distinguish between Bandwidth and Broadband. (4 marks)

**QUESTION 2**

- a) Client are becomes important component in the network. Describe Client. (2 marks)
- b) Video conferencing becomes an important medium among people nowadays. Describe **ONE (1)** of Video Conferencing. (2 marks)
- c) Describe **FOUR (4)** types of wired media. (8 marks)
- d) An Operating System (OS) is system software that manages computer hardware and software resources and provides common services for computer programs. State **FOUR (4)** functions of an OS. (4 marks)

**QUESTION 3**

- a) System software is a type of computer program that is designed to run a computer's hardware and application programs. List **FOUR (4)** types of programs in system software. (4 marks)
- b) A utility is a program that performs a certain single function or a set of functions in a sense is a supporting program. Describe **FOUR (4)** functions of utility programs. (8 marks)
- c) Using **Microsoft Word**, Type and edit the given document in **ATTACHMENT1** and apply the formatting as given below:
- i) Set the paper size to "A4". (1 mark)
  - ii) Set the margins to "1 cm" for top, bottom, left and right. (1 mark)
  - iii) Set the line spacing to "1.5 lines". (1 mark)
  - iv) Change the font to "Arial", size "12-point". (1 mark)
  - v) Align the text to "Justify". (1 mark)
  - vi) Arrange the "Forty years of the internet: how the world changed for ever" with Bold format font "Arial", size "18- point" and Align the text to "center". (2 marks)
  - vii) Insert **ONE (1)** computer picture the top first paragraph. (2 marks)
  - viii) Rearrange the document into two columns with line in the middle of columns. (2 marks)
  - ix) Insert the page number and line at footer. (1 mark)
  - x) Insert the Table with two columns for heading and five rows for contents that contain the list of five generation of computers using bullet. (2 marks)
  - xi) Save the document as "<Your-Matric-Number>\_FINALWORD.docx" in your selected drive. (2 marks)

**QUESTION 4**

- a) State **FIVE (5)** types of Information System (IS). (5 Marks)
- b) Describe **SIX (6)** phases of the system development life cycle (SDLC). (11 marks)
- c) List **EIGHT (8)** functional units in the organization. (8 marks)

**QUESTION 5**

- a) The trends of Information Technology (IT) involved Machine Learning, Internet of Thing (IOT) and Artificial Intelligence (AI). Discuss this **THREE (3)** of trends. (6 marks)
- b) Explain about office information system. (2 marks)
- c) Describe about Customer Interaction Management (CIM). (2 marks)
- d) Describe about transaction processing systems. (2 marks)

## ATTACHMENT1

# Forty years of the internet: how the world changed for ever

Towards the end of the summer of 1969 – a few weeks after the moon landings, a few days after Woodstock, and a month before the first broadcast of Monty Python's Flying Circus – a large grey metal box was delivered to the office of Leonard Kleinrock, a professor at the University of California in Los Angeles. It was the same size and shape as a household refrigerator, and outwardly, at least, it had about as much charm. But Kleinrock was thrilled: a photograph from the time shows him standing beside it, in requisite late-60s brown tie and brown trousers, beaming like a proud father.

Had he tried to explain his excitement to anyone but his closest colleagues, they probably wouldn't have understood. The few outsiders who knew of the box's existence couldn't even get its name right: it was an IMP, or "interface message processor", but the year before, when a Boston company had won the contract to build it, its local senator, Ted Kennedy, sent a telegram praising its ecumenical spirit in creating the first "interfaith message processor". Needless to say, though, the box that arrived outside Kleinrock's office wasn't a machine capable of fostering understanding among the great religions of the world. It was much more important than that.

There are five generations of computer:

- **First generation–1946 -1958**
- **Second generation–1959 -1964**
- **Third generation–1965 -1970**
- **Fourth generation–1971 -today**
- **Fifth generation–Today to future**

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

