



FOUNTAIN UNIVERSITY, OSOGBO, NIGERIA.

P.M.B.4491, OSOGBO, OSUN STATE.

COLLEGE OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF MATHEMATICAL AND COMPUTER SCIENCES

SECOND SEMESTER EXAMINATION 2021/2022 SESSION

CPS106 DATA PROCESSING

Credit Unit/Status:2 (C)

Time Allowed: 1 ½ hours

16/08/2022

Instruction: Answer Questions 1 and any other 2 Questions

1. a) Explain clearly what you understand by the concept of Data Processing by using a good example to illustrate your answer -4 Marks

b) Data Processing functions is comprised of the following:

i. Validation ii sorting iii summarization iv. Aggregation and v. Analysis

Discuss clearly each of these functions in relation to data processing activities - 10 Marks

c) Discuss the activities which are involved in Data Processing operations -10 Marks

2. a) What are computer input devices? -4 Marks

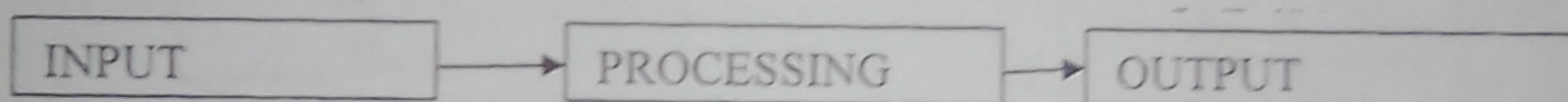
b) Explain the uses of the following input devices in data processing operation

i. Keyboard

ii. Computer mouse

iii. Microphone

c) Explain the below Flow Diagram - 9 Marks



-5 Marks

3. a) Differentiate between the following pairs of data processing files

i. Master files and Transaction files

ii. Audit files and Backup files

iii. History files and Transition files -4Marks x 3

b) of what significance is the backup files in Data processing operations -6 Marks

3. The following are the various types of data processing techniques. Explain clearly each of the following concepts illustrating your answer with good examples.

a. Batch processing -4 Marks

b. Time-sharing -4 Marks

c. Online Processing -4 Marks

d. Real-time Processing -4 Marks

e. Multiprogramming - 2 Marks

5. Of what significance are the following devices in data processing operations?

a) Digitizer -4 Marks

b) Printer -4 Marks

c) COM (Computer Output on Microfilm) -4 Marks

d) USB drive -4 Marks

e) Plotter - 2 Marks

(END)