



الكلية العالمية للهندسة والتكنولوجيا
Global College of Engineering and Technology

GENERAL FOUNDATION PROGRAMME

SAMPLE PLACEMENT TEST

ACADEMIC YEAR 2019 – 2020

FURTHER ICT

Introductory remarks:

- Please answer all questions within the allocated time period of 90 minutes.
- Mark your correct answers on the extra sheet which is provided with the questions. No marks will be given for rough work, remarks or other contributions.
- Please leave all items on the desk at the end of the test.

Instructions for students.

Attempt all questions. Each question carries equal marks

Question # 1: Multiple choice questions

20 Marks

- 1- A keyboard is this kind of device:
 - a. Output
 - b. Input
 - c. Word processor
 - d. None of the above

- 2- The process of a computer receiving information from a server on the Internet is known as
 - a. Pulling
 - b. Uploading
 - c. Downloading
 - d. Transferring

- 3- WAN stands for
 - a. Wap Area Network
 - b. Wide Area Network
 - c. Wide Array Net
 - d. Wireless Area Network

- 4- The physical parts of a computer
 - a. Hardware
 - b. Hard Drive
 - c. Disk Drive
 - d. Software

- 5- A part of the computer that all other parts are connected to. It allows all of the parts to communicate so they work together
 - a. Operating System
 - b. Disk Drive
 - c. Output Device
 - d. Motherboard

- 6- Which of the following is a storage device?
 - a. Tape
 - b. Hard Disk

- c. Floppy Disk
- d. All of the above

7- Data stored on computer is in the form of

- a. Text
- b. Image
- c. Number
- d. Audio

8- Where are data and programme stored when the processor uses them

- a. Main memory
- b. Secondary memory
- c. Disk memory
- d. Programme memory

9- ALU stand for

- a. Array Logic Unit
- b. Application Logic Unit
- c. Arithmetic Logic Unit
- d. None of the above

10- Parallelogram symbol in flow chart represents

- a. Start
- b. Input
- c. Processing
- d. Decision

Question # 2: Briefly define the following terms

- 1- Pseudocode
- 2- System Software
- 3- Float Data Type
- 4- Wide Area Network
- 5- Router

20 Marks

Question # 3: Car Shine is a car cleaning service organisation, which provides car cleaning services. The charges of car cleaning are based on the type of the vehicle. Details of charges are as follow:

- | | |
|--------------------------|-------|
| 2 Wheeler vehicle: | 2 OMR |
| 4 Wheeler Small vehicle: | 3 OMR |
| 4 Wheeler Big vehicle: | 4 OMR |
| Bus/ Lorry/ Truck: | 5 OMR |

You are required to draw a flow chart diagram or write an algorithm for a computer program that takes customer name, plate number of car and type of car (mentioned above). The program outputs a receipt with all the entered information plus cleaning charges on the basis of the type of vehicle. 20 Marks

Question # 4: Problem solving is easier if we employ a problem solving framework and an appropriate problem solving strategy, Explain the 6 different steps of How to think like a programmer framework? 20 Marks

Question # 5: What is a topology? Explain following network topologies with the help of diagrams.

- Bus
- Star
- Ring

20 Marks

End of Exam