



# UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Sixth Semester – 2019

Paper: Information Systems (IT)

Course Code: IT-311 Part – I (Compulsory)

Time: 15 Min. Marks: 10

Roll No. in Fig. ....

Roll No. in Words. ....

Signature of Supdt.: .....

**ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.**

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the correct choice.

(1x10=10)

1. Term software refers to \_\_\_\_\_.
  - a. computer manuals
  - b. computer programs
  - c. machinery
  - d. both computer programs and manuals
2. In order to produce a computer-based information system, we must together \_\_\_\_\_.
  - a. 5 parts
  - b. 3 parts
  - c. 2 parts
  - d. 4 parts
3. Term hardware refers to \_\_\_\_\_.
  - a. computer manuals
  - b. computer programs
  - c. machinery
  - d. both computer programs and manuals
4. Facts and figures that are used by programs to produce useful information are called \_\_\_\_\_.
  - a. Software
  - b. Data
  - c. Hardware
  - d. Procedures
5. Set of instructions and rules to design and use information system are called \_\_\_\_\_.
  - a. Software
  - b. Data
  - c. Hardware
  - d. Procedures
6. An \_\_\_\_\_ is a set of processes and procedures that transform data into information and knowledge.
  - a. information system
  - b. Knowledge system
  - c. Database system
  - d. Computer system

P.T.O.

7. A system is called \_\_\_\_\_ when the inputs, process and the outputs are known with certainty.
- a. Probabilistics
  - b. Deterministic
  - c. Open
  - d. Close
8. Which of the following is included in the Office automation systems?
- i). Word processing
  - ii). Electronic mail
  - iii). Voice mail
  - iv). Electronic calendaring
  - v). Audio conferencing
- a. i, ii, iii and v only
  - b. i, ii, iii and iv only
  - c. i, ii, iv and v only
  - d. All i, ii, iii, iv and v
9. In a typical \_\_\_\_\_ network, application processing is shared between clients and one more servers.
- a. client server computing
  - b. cloud computing
  - c. mobile computing
  - d. data computing
10. The \_\_\_\_\_ is defined as a set of activities performed across the organization creating as output of value to the customer.
- a. development process
  - b. business process
  - c. quality process
  - d. customer focus



**ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED**

**Question # 2.**

**[2 x 10 = 20 Marks]**

**Precisely write down the answers of the following questions.**

1. What are the five components that make up an information system?
2. What are three examples of information system hardware?
3. Microsoft Windows is an example of which component of information systems?
4. What is application software?
5. What roles do people play in information systems?
6. List the following in increasing order (slowest to fastest): megahertz, kilohertz, gigahertz.
7. What is the bus of a computer?
8. Name two differences between RAM and a hard disk.
9. What are the advantages of solid-state drives over hard disks?
10. How heavy was the first commercially successful portable computer?

**Question # 3.**

**[3 x 10 = 30 Marks]**

**Briefly write down the answers of the following questions.**

1. With reference to the type of decisions made, define the followings.  
a) Operational Management b) Strategic Management c) Tactical Management
2. Briefly discuss the advantages and disadvantages of choosing packaged software rather than developing customized software.
3. What are the main functions of a modern database management system?