

**University of Sargodha**

**BS 1<sup>st</sup> Term Examination 2019**

**Subject: CS/IT/SE**

**Paper: Introduction to ICT (ICT-2021)**

**Time Allowed: 2:30 Hours**

**Maximum Marks: 80**

**Note: Objective part is compulsory. Attempt any four questions from subjective part.**

**Objective Part (Compulsory)**

- Q.1. Write short answers of the following in 2-3 lines each on your answer sheet. (16\*2)**
- i. Define Information Technology?
  - ii. What does information mean?
  - iii. Define Sender-Receiver model for information transfer?
  - iv. Define Database Management Systems? Also provide an example?
  - v. Provide two important differences in human and machine processing of information?
  - vi. What are the *Buses* in computers?
  - vii. What do Bays mean in computers?
  - viii. What is the difference between touch screen and touch sensitive pads?
  - ix. Give the name of two popular presentation medias?
  - x. Discuss shortly an example of communication over the telephone network?
  - xi. What is network model?
  - xii. How the information is transferred from a human to a machine? Explain it with an example?
  - xiii. How the information can be organized via databases? Explain it shortly?
  - xiv. What does data model mean?
  - xv. Define information management systems along with an example?
  - xvi. Differentiate small and large scale information systems?

**Subjective Part (4\*12)**

- Q.2. Discuss the use of information technology in terms of store, retrieve, transmit and present information.**
- Q.3. How computers represent and process data? Discuss the representation and processing in detail with steps?**
- Q.4. How can you use a computer for communication if you are on a network. Also describe the various network communication standards?**
- Q.5. Explain the hierarchy of data and also discuss the difference between file processing and databases.**
- Q.6. Discuss the following three terms:**
  - a) Flash memory storage
  - b) Cloud storage
  - c) Optical discs
- Q.7. What are the possible challenging issues for today's information and communication technologies? Discuss it in detail?**