## UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / First Semester – Spring 2023

Subject: Introduction to ICT

Paper: GE-161

Roll No. ..... Time: 3 Hrs. Marks: 60

## THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

- Q.1. Answer the following short questions. (6x5=30)
- a. What is operating system and also list down common desktop operating systems designed for personal computers.
- b. Differentiate between ASCII and EBCDIC coding systems
- c. Define software and understand how it is used to instruct the computer what to do.
- d. Differentiate between Client-Server Network and Peer-to-Peer Network.
- e. Discuss briefly use of mainframe computers.
- f. Differentiate between OCR and MICR scanners.
- Q.2. Answer the following questions. (3x10=30)
- a. Describe the characteristics of a display device and explain some of the technologies used to display images.
- b. Discuss the role of utility programs and outline several tasks that these programs perform.
- c. Discuss the Evolution of the Internet.