GUJARAT TECHNOLOGICAL UNIVERSITY
BACHELOR OF SCIENCE - HONOURS/ HONOURS WITH RESEARCH - SEMESTER - I
EXAMINATION - WINTER 2025

Subject Code: BS01001061 **Date: 30-12-2025**
Subject Name: Computer Fundamentals
Time: 10:30 AM TO 12:00 PM **Total Marks: 50**

Instructions:
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Draw neat and clean diagrams as required.

Q.1 **Write a note on following.** **(Marks- 5X2=10)**

1. The role of flyer in digital marketing campaigns.
2. The different types of brochures.
3. The key principles of designing a professional power point presentation.
4. The structure of a typical project report.
5. The importance of layers in Adobe Photoshop

Q.2 **Answer the following (Any 2 out of 3)** **(Marks- 2X10=20)**

1. Describe following Linux commands with their syntax and example:
   grep, gzip, awk, clear, rm
2. List and explain at least three different methods of shutting down or rebooting a Linux system.
3. Describe the steps involved in partitioning a disk using the fdisk command. Discuss the difference between primary and extended partitions.

Q.3 **Answer the following (Any 4 out of 6)** **(Marks- 4X5=20)**

1. Define computer network. Briefly explain its types.
2. Write a short note on DNS.
3. Compare and contrast TCP and UDP.
4. Explain the structure and organization of the UNIX file system.
5. Give the use of following UNIX commands.
   ls, cp, mv, mkdir, cd
6. Explain different permissions for files and directories in UNIX with example.

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