

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Sc. HONORS/ HONORS WITH RESEARCH (BIOTECHNOLOGY) – SEMESTER - 1
EXAMINATION - WINTER - 2024

Subject Code:BS01001061

Date: 30 Dec 2024

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. Give the full form of cd command and enlist its variations.
2. Write the use of the 'clear' command. Mention the full form of cp command.
3. Write the full form of rm command. Mention the different variations of the command.
4. What are the commands used for displaying the contents of a file and for searching specific patterns in a file.
5. Write the commands used to create directories and files by giving examples.

Q.2 Answer the following (Any 2 out of 3)

**(Marks-
2X10=20)**

1. What is an operating system? Describe the architecture of an operating system.
2. Explain the role of an operating system and enlist its functions in detail.
3. Give the subheadings you can add using Canva in a resume. Explain how the collaboration feature of canva helps in team projects.

Q.3 Answer the following (Any 4 out of 6)

**(Marks-
4X5=20)**

1. Write a note on the differences in GUI based and command line based operating systems.
2. What do you mean by flavors of linux? Give examples and significance of two linux flavors.
3. Write a note on Vi as text editor.
4. Write a note on TCP and UDP.
5. Explain the different file permission options offered in the Linux operating system.
6. Write the salient features of the Linux operating system.
