Name:		
Enrolment No:		

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Supplementary Examination, December 2023

Course: Computer Fundamentals **Semester: I**
Program: BCA **Time 03 hrs.**
Course Code: CSBC 1001 **Max. Marks: 100**

Instructions: Students are supposed to draw neat diagram and provide examples wherever applicable. Assume any missing data.

SECTION A [20 Marks]

S. No.		Marks	CO
Q1.	Illustrate various components of a Computer System.	4	CO1
Q2.	What is BIOS?	4	CO1
Q3.	Describe any one network Topology through a proper diagram.	4	CO2
Q4.	How compiler differs from interpreter?	4	CO2
Q5.	Explain impact printers.	4	CO3

SECTION B [40 Marks]
Note*: Attempt any one question of Q9

Q6.	Distinguish between volatile and non-volatile memory through suitable examples.	10	CO1
Q7.	Contrast between RAM and storage of your computer system. Write down the details of your Laptop's RAM.	10	CO2
Q8.	Describe the following Unix OS system commands: *mv, ls, mkdir, rm*	10	CO3
Q9	Discuss the significance of an Operating System. Describe any five features of your Operating System.	10	CO4
	OR		
	How OS helps in computer booting? Describe in detail the process of connecting your laptop with the Wi-Fi network connection.	10	CO4

SECTION-C [40 Marks]
Note*: Attempt any one question of Q11

Q10.	Demonstrate the various I/O devices of your laptop with diagram.	20	CO3
Q11.	Demonstrate the procedure to install the virtual machine on your laptop. Show any of the five basic commands of Linux Operating System that you have used.	20	CO4
	OR		
	Illustrate the term computer generation. Explain all types of computer generations with example.	20	CO4