

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: Computer Fundamentals
Program: BCA (IOT + BFSI)
Course Code: CSBC 1001

Semester: I
Time 03 hrs.
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.	Define computer system with a block diagram.	4	CO1
Q2.	What is DRAM?	4	CO1
Q3.	What is network Topology?	4	CO2
Q4.	What is the use of DBMS?	4	CO3
Q5.	Explain non-impact printer.	4	CO4

SECTION B [40 Marks]

Note*: Attempt any one question of Q9

Q6.	Differentiate between volatile and non-volatile memory. Write the details of your laptop's primary and secondary memory.	10	CO1
Q7.	Contrast between RAM and storage of your computer system. Write down the details of your Laptop's RAM, and ROM.	10	CO2
Q8.	How OS helps in computer booting? Describe in detail the process of connecting your laptop with the Wi-Fi network connection.	10	CO3
Q9	Discuss the significance of an Operating System. Describe any five features of your Operating System.	10	CO4

OR

	Describe various components of Database System. Give any two examples of DBMS.	10	CO4
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SECTION-C [40 Marks]

Note*: Attempt any one question of Q11

Q10.	Demonstrate the various I/O devices of your laptop with diagram.	20	CO2
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

	Demonstrate the procedure to connect your laptop with the available Wi-Fi connection within your range. Students can write down the procedure that they use to connect their Laptop with Campus/Hostel Wi-Fi. Which network device will you prefer to form a computer network hub or switch? Justify your answer.	20	CO4
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