


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Program Name : BCA Course Name : Computer Fundamentals Course Code : CSBC1001		Semester : I Time : 3 hr Max. Marks : 100	
Instructions: This paper contains two pages with 11 questions divided among three sections. Section A contains five short answer type questions. Section B contains 4 medium duration answer type questions with an internal choice for Q9. Section C contains 2 long answer type questions with an internal choice for Q11.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Briefly explain the 1 st and 2 nd generations of the computers with examples?	4	CO1
Q 2	Explain selection and loop (any 1) statements with pseudo-code/flowchart.	4	CO1
Q 3	What is an optical disk? Describe various types of optical disk with examples?	4	CO2
Q 4	Describe compiler, assembler and interpreter with examples?	4	CO3
Q 5	Describe any four Unix commands out of the following five Unix commands: <i>mv, cat, ls, wc, rm</i>	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain the memory hierarchy with the help of a diagram? Describe the difference between SRAM and DRAM?	10	CO2
Q 7	What is an operating system? Explain the following terms in details with suitable examples a) Communication software b) Performance monitoring software c) Application software	10	CO3
Q 8	Explain the following terms: a) Process b) Grep c) Cmp d) diff e) find	10	CO4

