Name: **Enrolment No:**	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2024

Program: BBA-DB **Semester: II**

Subject/Course: Business Computing **Max. Marks: 100**

Course Code: DSIT2013 **Duration: 3 Hours**

Instructions:

SECTION A
10Qx2M=20Marks

S. No.		Marks	CO
Q 1	Statement of question		
1)	What are the Characteristics of a Computer?		**CO1**
2)	What is an Algorithm?		**CO1**
3)	What is a Pseudo Code?		**CO1**
4)	What is Memory Hierarchy? Explain.		**CO1**
5)	What are Binary & Decimal Number Systems?		**CO1**
6)	What is the difference between Hardware & Software? Explain.		**CO1**
7)	What is the significance of drawing a Flowchart before making a program?		**CO1**
8)	Draw the basic block diagram of the computer.		**CO1**
9)	What is Internal & External Memories? Explain briefly.		**CO1**
10)	What is the significance of using a computer nowadays?		**CO1**
SECTION B **4Qx5M= 20 Marks**			
Q2	Statement of question		
1)	Define software and list its different categories. Offer an example to clarify each classification.		**CO3**
2)	What classifications do computers fall under? Describe each category, accompanied by a concrete example.		**CO3**
3)	Convert the following: - i. $(7425)_{10} = (?)_2$ ii. $(792)_7 = (?)_{10}$		**CO3**
4)	Can you explain the disparity between data and information, providing examples to support your explanation?		**CO3**

SECTION-C **3Qx10M=30 Marks**			
Q3	Statement of question		
1)	Define networking and outline the different types of networks in existence. Provide a detailed explanation of each type along with a relevant example.		**CO3**
2)	Elaborate on the steps involved in installing Windows 11.		**CO3**
3)	Could you elucidate the concept of programming and the transformation of a program into a format usable by a computer? Additionally, explain the roles of compiler and assembler in this process, and discuss the various types of errors encountered in programming.		**CO3**
SECTION-D **2Qx15M= 30 Marks**			
Q4	Statement of question		
1)	Write short notes for each of the following: - i. Microsoft Word 2007 ii. Microsoft Excel 2007 iii. Microsoft PowerPoint 2007 iv. Microsoft Access 2007		**CO2**
2)	Elaborate on the different types of network topologies, providing a detailed explanation for each alongside a relevant diagram and example.		**CO2**