

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Programme Name: B.Tech CSE LLB	Semester : VII
Course Name : Human Computer Interaction	Time : 03 hrs
Course Code : CSEG421	Max. Marks : 100
Nos. of page(s) :	
Instructions: Attempt all questions	

SECTION A **[20 marks]**


S. No.		Marks	CO
Q1	Bring out the importance of HCI.	4	CO1
Q2	List the advantages and disadvantages of a touch sensitive screen.	4	CO1
Q3	Explain the term anti-aliasing.	4	CO3
Q4	Comment on health hazards of CRT.	4	CO3
Q5	Give a brief on optical character recognition.	4	CO2

SECTION B **[40 marks]**

Q6	Give brief on HCI and its related sciences.	10	CO4
Q7	Explain the systems perspective of HCI.	10	CO4
Q8	Differentiate between Knowledge and Execution.	10	CO5
Q9	Explain usage of figurative language in HCI. OR Briefly explain the impact of multimedia in HCI	10	CO6

SECTION-C **[40 marks]**

Q10	Derive and apply Lens Model equations highlighting the importance of Burnswik's Model.	20	CO6
Q11	Compare and analyze by making use of an illustration on people, activities, contexts and technologies framework for HCI. OR "Information retrieval is much easier through associations rather than through indexing." Analyze	20	CO7

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SECTION A **[20 marks]**

S. No.	Question	Marks	CO
Q1	Explain the term Human Computer Interaction.	4	CO1
Q2	Give a brief on Liquid Crystal Displays.	4	CO1
Q3	Bring out the importance of touch sensitive screens in HCI	4	CO3
Q4	Briefly explain jaggies and how can it be removed.	4	CO3
Q5	Explain the different design needs from the perspective of the user.	4	CO2

SECTION B **[40 marks]**

Q6	Elaborate on the importance pointing and positioning in HCI	10	CO4
Q7	Explain the functional perspective of HCI.	10	CO4
Q8	Compare and contrast Knowledge and Execution.	10	CO5
Q9	Explain the linear regression equations of Lens Model. OR Highlight the principles for integration and its importance in HCI.	10	CO6

SECTION-C **[40 marks]**

Q10	Derive and discuss the importance of Burnswik's fundamental theory and associated equations.	20	CO6
Q11	Interpret the depth and width of cognitive walkthrough model. OR Discuss and apply Hypertext in HCI using examples.	20	CO7