UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.TECH(CSE)+LLB(HONS)   Semester – VII
Subject (Course): Human Computer Interaction   Max. Marks   : 100
Course Code   : CSEG 421   Duration: 3 Hrs
No. of page/s:2

Note: All questions are compulsory.
       Assume appropriate data as and where necessary.

SECTION A   5*4=20 Marks

1. Write few advantages and disadvantages of graphical system?

2. Explain four golden rules of design?

3. What is meant by appropriate appearance? Write two techniques used for the same?

4. Write a program using C language with 10 hard coded names and print the same?

5. How does culture plays major role in the UI design?

SECTION B   4*10=40 Marks

6. Write in details about the concepts of direct and indirect manipulations?

7. List out all the Novel devises that are used for interaction? Explain any two pointing devices?

8. Write about any one UI tool that you worked? How graphics play important role in User experience?

9. What is a device driver? How are they integrated with the operating system?

OR

Write an openGL program for drawing a line using GLUT functions?

SECTION C   **2*20=40Marks**

10. **Explain in details about the Characteristics of graphical user interfaces?**

11. **Explain in details about the current cyber security measures that are implemented around?**

OR

Explain in details about the general principles of design and implementation of User Interfaces including GUI and Web technologies?

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SECTION A   **5*4=20 Marks**

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1. **Explain five interactive styles of the Graphical user interface?**

2. **Explain four indirect pointing devices?**

3. **What is Discuss about one interface software tool and why is it good?**

4. **Color plays a major role in the design? Explain different colors used in real life?**

5. **Explain few scenarios need to be taken care while doing the screen design?**

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SECTION B   **4*10=40 Marks**

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6. **Describe the human computer model of 3D Configuration software?**

7. **Explain the interactive tasks that are applicable to the pointing devices?**

8. **Write Explain in detail about the user document types with diagram?**

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Or

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   Explain interactive design basics? What are few human errors that occurs during stress?

9. **Write an openGL program for drawing a line using GLUT functions?**

SECTION C   2*20=40Marks

10. Explain all the display technologies? How speech and auditory interface help in UI?

11. Explain in details about the current cyber security measures that are implemented around?

OR

Explain in details about the cybercrimes "Computer as a target" and "Computer as a weapon"?