

Priyadarshini College of Engineering, Nagpur
Sessional Examination (2023-24) Odd Semester
B.E. Seventh Semester (Computer Technology) (C.B.C.S.)
Human Computer Interface

P. Pages : 2

PCE/KW/23/BTCT703T

Time : Three Hours

Max. Marks : 70

Notes: 1. All questions carry marks as indicated.

2. Solve Question 1 or Question 2.

3. Solve Question 3 or Question 4.

4. Solve Question 5 or Question 6.

5. Solve Question 7 or Question 8.

6. Solve Question 9 or Question 10.

7. Due credit will be given to neatness and adequate dimensions.

8. Assume suitable data wherever necessary.

9. Illustrate your answers whenever necessary with the help of neat sketches.

Q. No.	Question	CO	BT	Marks
1. a)	Explain in detail about human input and output channels	1	2	7
1. b)	What are the different types of memory in human brain?	1	1	7
OR				
2. a)	Define Problem Solving & list the theories involved in problem solving.	1	2	7
2. b)	Explain in detail about models of interaction.	1	2	7
3. a)	Explain the software life cycle model in HCI software process.	2	2	7
b)	Explain in detail the interaction design process.	2	2	7
OR				
4. a)	Enumerate Norman's seven principles for transferring difficult task to simple one in design?	2	2	7
b)	Explain about the various factors distinguishing evaluation techniques.	2	2	7
5. a)	Explain in detail about cognitive model and its techniques	3	2	7
b)	Explain in detail about the various socio-technical models?	3	2	7
OR				
6. a)	Explain in detail about communication and collaboration models	3	2	8
b)	Discuss about Linguistic Models.	3	2	6
7. a)	With neat diagram of mobile ecosystem, discuss its platforms and application frameworks.	4	2	7
b)	Describe the following a. Mobile EcoSystem b. Platforms	4	2	7

OR

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| 8. | a) | Explain the various mobile information architecture. | 4 | 2 | 7 |
| | b) | List and explain the elements of mobile design. | 4 | 2 | 7 |
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| 9. | a) | Discuss in detail the purpose of drag and drop. | 5 | 2 | 7 |
| | b) | Explain the steps involved in designing a web interface. | 5 | 2 | 7 |
| | | | | | |
| OR | | | | | |
| 10. | a) | Discuss in detail the various types of selection patterns. | 5 | 2 | 7 |
| | b) | Explain in detail the various ways to reveal contextual tools. | 5 | 2 | 7 |
