

SVKM'S NMIMS
SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING, NAVI-MUMBAI

Academic Year: 2022-2023

Program: BTech

Stream: CSBS

Year: BE Semester: VII

Subject: Usability Design for Software Applications

Time: 1 hour (9 am to 10 am)

Date: 20 / 08 / 2022





No. of Pages: 01

Marks: 20

Mid-Term Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

- 1) Question No. 1 is compulsory.
- 2) Each question carries equal marks.
- 3) Answer to each new question to be started on a new page.
- 4) Figures in brackets on the right-hand side indicate full marks.
- 5) Assume Suitable data if necessary.
- 6) Attempt any two question from questions 2 to 3.

Q.No.	Statement of the question	CO/SO/ BL	Marks																								
Q.1 (a)	<div></div> <p>The above icons are best examples of which design heuristic principle and why?</p>	CO2/BL2	(2)																								
Q.1 (b)	What is the difference between a slip and a mistake in interface design ?	CO2/BL1	(2)																								
Q.1 (c)	<div><div>(a) phones, remote controls</div><div>(b) calculators, computer keypads</div><div><table><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr><tr><td></td><td>0</td><td></td></tr></table><table><tr><td>7</td><td>8</td><td>9</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>0</td><td></td><td></td></tr></table></div></div> <p>Above is a Keypad number layout for different products.Can you explain what is the problem with the design.</p>	1	2	3	4	5	6	7	8	9		0		7	8	9	4	5	6	1	2	3	0			CO1/BL2	(2)
1	2	3																									
4	5	6																									
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	0																										
7	8	9																									
4	5	6																									
1	2	3																									
0																											
Q.1 (d)	Describe the User centered design process in brief.	CO1/BL1	(2)																								
Q.2	Design homepage of an ecommerce website that shows affordance,signifier,mapping and feedback.	CO1/BL3	(6)																								
Q.3	Evaluate an ecommerce website Amazon using heuristic principles of Help,error prevention and recognition .	CO2/BL3	(6)																								
Q.4.	What is importance of ergonomics in interface design.Describe the human factors to be considered in soft ergonomics while designing a virtual interface.	CO1/BL1	(6)																								