Register No.: ....   Name: ....

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

FIFTH SEMESTER INTEGRATED M.C.A DEGREE EXAMINATION (R), DECEMBER 2022
(2020 SCHEME)

Course Code: **20IMCAT303**

Course Name: **User Interface Design**

Max. Marks: **60**   **Duration: 3 Hours**

PART A
(Answer all questions. Each question carries 3 marks)

1. Write short note on usability of interactive systems.
2. Explain the stages of LUCID.
3. Write short note on teleoperation.
4. Outline the data entry with menu in user interfaces.
5. How comments are added to PHP code?
6. Write short note on ternary operator.
7. Differentiate while loop and do-while loop in PHP.
8. Explain implode and explode functions with suitable examples.
9. Differentiate GET and POST methods.
10. How password controls are handled in PHP?

PART B
(Answer one full question from each module, each question carries 6 marks)

MODULE I

11. Explain the goals of requirements analysis.   (6)

OR

12. Elaborate on the four pillars of design.   (6)

MODULE II

13. With an example, explain direct manipulation.   (6)

OR

14. Write short note on any four elements of form fill-in design.   (6)

MODULE III

15. Which are the operators used in PHP? What are it's uses? Explain.   (6)

OR

16. Explain the internal data types in PHP with examples.   (6)

MODULE IV

17. Explain any two conditional statements in PHP. (6)

OR

18. Elaborate on functions in PHP with passing arrays to functions and returning arrays from functions. (6)

MODULE V

19. What are sessions in PHP? Write a program to store and retrieve data in sessions. (6)

OR

20. Write a PHP program that connects to database server, update the database by adding new data and displays the data from the updated table. (6)

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