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| | Reg. No. : | |
|----------------|--|--|
| | Question Paper Code: 10844 | |
| | M.C.A. DEGREE EXAMINATIONS, APRIL/MAY 2023. | |
| | Second Semester | |
| | MC 4201 – FULL STACK WEB DEVELOPMENT | |
| | (Regulations 2021) | |
| Tir | ne: Three hours Maximum: 100 marks | |
| | Answer ALL questions. | |
| | PART A — $(10 \times 2 = 20 \text{ marks})$ | |
| 1. | Why would you use flex-wrap CSS property and what values can it have? | |
| 2. | State the difference between GET and POST. | |
| 3. 4. 5. | List out the uses of JSON. Compare client-side programming and Server-side programming. List out the advantages of MongoDB. | |
| 6. | How to Connect Node.js to a MongoDB Database? | |
| 7. | What is the use of react JS? | |
| 8. | Differentiate between composition and inheritances in JS. | |
| 9. | Compare kubernetes and docker. | |
| 10. | What is the meaning of virtual private cloud and write down its purpose. | |
| | PART B — $(5 \times 13 = 65 \text{ marks})$ | |
| 11. | (a) What are CSS selectors and what are the different types of selectors in CSS? Illustrate each one with suitable example. | |
| | Or . | |
| | (b) Explain different data types and variables in JavaScript. Also write JavaScript to display a given message and image for five seconds. | |
| | | |

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