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BP—19—2016

FACULTY OF COMPUTER STUDIES

B.Sc. (S.E.) (Third Year) (Sixth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

SOFTWARE ENGINEERING

(Client Side Scripting Using JavaScript)

(Wednesday, 23-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— (i) Assume suitable data if necessary.

(ii) Figures to the right indicate full marks.

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| 1. | Attempt the following : | 20 |
| (a) | Explain the use of JavaScript. | |
| (b) | Explain JavaScript object fundamentals. | |
| (c) | Explain recursive function. | |
| (d) | Explain JavaScript statement with example. | |
| 2. | (a) What is Form ? Explain <FORM> tag in detail. | 8 |
| | (b) Explain the operators used in JavaScript. | 7 |
| | <i>Or</i> | |
| | (c) Write a JavaScript to demonstrate rollover button. | 8 |
| | (d) Explain event model issues. | 7 |
| 3. | (a) What is regular expression ? Explain it using string search. | 8 |
| | (b) Explain the use of array in JavaScript using example. | 7 |
| | <i>Or</i> | |
| | (c) Explain pull down menu with example. | 8 |
| | (d) Write a program for form validation using JavaScript. | 7 |

P.T.O.

4. (a) Explain the history of JavaScript. 8
- (b) Write a program using JavaScript to find factorial of a number. 7
- Or*
- (c) Explain the concept of Global and Local variables. 8
- (d) Explain the concept of DHTML. 7
5. Write short notes on (any *three*) : 15
- (a) Images
- (b) Number strings
- (c) DOM2
- (d) Composite types
- (e) Date.