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BP—27—2016

FACULTY OF COMPUTER SCIENCE

B.Sc. (S.E.) (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Old Course)

SOFTWARE ENGINEERING

Paper S2.3

(Programming in 'C' Language)

(Saturday, 26-11-2016)

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

Time— Three Hours

Maximum Marks—80

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt the following : 20

(a) Identifiers and keywords

(b) Input/output statements in C

(c) goto statement

(d) Explain structure of 'C' program.

2. (a) Explain different storage class in 'C'. 8

(b) Explain switch-case statement with example. 7

Or

(c) Explain any five string library functions. 8

(d) W.A.P. that reads a number between 1 to 7 and display the day name. 7

3. (a) Explain for loop and while loop with an example. 8

(b) W.A.P. to display the following structure : 7

```
*
*
* *
* * *
* * * *
* * * * *
```

P.T.O.

Or

- (c) Explain data type in C programming. 8
- (d) W.A.P. to display odd number between 1 to 20 number. 7
4. (a) What is pointer ? Explain declaration and initialization of pointer with example. 8
- (b) W.A.P. for *two* matrix addition. 7
- Or
- (c) Explain any *five* string library functions. 8
- (d) Explain call by value and call by reference with example. 7
5. Write short notes on (any *three*) : 15
- (a) Logical operators
- (b) For Loop
- (c) Passing array to function
- (d) Recursion
- (e) Bound Checking.