

This question paper contains **2** printed pages]

**BP—18—2016**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (S.E.) (Second Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**SOFTWARE ENGINEERING**

Paper S2.8

(Advanced C Programming)

**(Wednesday, 23-11-2016)**

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

*Time—3 Hours*

*Maximum Marks—80*

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

(ii) From question 2 to 4 solve either (a) and (b) or (c) and (d).

(iii) Figures to the right indicate full marks.

(iv) Assume suitable data if necessary.

- |    |   |    |
|----|---|----|
| 1. | Attempt the following :   | 20 |
|    | (a) WAP to send one byte to printer   |    |
|    | (b) int 86( )   |    |
|    | (c) Union   |    |
|    | (d) Pointer to pointer.   |    |
| 2. | (a) Explain input/output operation on file.                                   | 8  |
|    | (b) WAP to find out CAPS lock key is on or off.                               | 7  |
|    | <i>Or</i>   |    |
|    | (c) Explain IVT table in detail.  | 8  |
|    | (d) WAP to change size of cursor on screens.                                  | 7  |
| 3. | (a) What is structure ? Explain structure width in structure in detail.       | 8  |
|    | (b) WAP to display blinking character on screen.                              | 7  |
|    | <i>Or</i>   |    |
|    | (c) Explain the types of adapter in detail.                                   | 8  |
|    | (d) WAP to create structure of student and store the record of five students. | 7  |

P.T.O.

4. (a) Explain addressing mode of 8086. 8
- (b) WAP to display pixel on screen. 7
- Or*
- (c) Explain dynamic memory allocation. 8
- (d) WAP to show mouse pointer on screen. 7
5. Write short notes on (any *three*) : 15
- (a) Color in SVGA
- (b) Pin diagram of 8086
- (c) Fopen( ) and Fclose( ) function
- (d) Bitwise AND and OR operator
- (e) Explain operation of keyboard.