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BP—07—2016

FACULTY OF COMPUTER STUDIES

B.Sc. (SE) (Second Year) (Fourth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

SOFTWARE ENGINEERING

(Java Programming)

(Friday, 18-11-2016)

Time : 2.00 p.m. to 5.00 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) What is vector ? Explain with example.

(b) Explain try catch block with example.

(c) What is use of static members ?

(d) Explain passing parameters to an applet.

2. (a) Explain string methods with example. 8

(b) Write a program for creating threads. 7

Or

(c) What is interface ? Explain with example. 8

(d) Write a program to demonstrate static members. 7

3. (a) What is package ? Explain API packages with example. 8

(b) What is constructor ? Explain with example. 7

Or

(c) Write a program for demonstration of exception handling. 8

(d) What is multithreading ? Explain life cycle of thread. 7

P.T.O.

4. (a) What is applet ? Explain life cycle of an applet. 8
- (b) Explain features of Java language in detail. 7
- Or*
- (c) What is method overriding ? Explain with example. 8
- (d) Write a program to demonstrate method overloading. 7
5. Write short notes on (any *three*) : 15
- (a) Arrays
- (b) JVM
- (c) Constant variables in Java
- (d) Blocking and stopping thread
- (e) If statement in Java.