Reg. No. :

Question Paper Code: 34203

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

Fourth Semester

Computer Science and Engineering

01UCS403 – JAVA PROGRAMMING

(Common to Information Technology)

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. State any two salient features of Java.

2. What are the uses of SUPER keyword?

3. List out the built-in packages available in Java.

4. How an interface is differing from class?

5. What is use of finally block in exception handling?

6. Write the two kinds of exception.

7. Give an example for composite pattern.

8. Mention name of a button component.

9. Define marshaling and un-marshaling.

10. What is the job of filter and pipe streams in java?

PART - B (5 x 16 = 80 Marks)

11. (a) Write a java program to find factorial of a given number using default and parameterized constructors. (16)

Or

(b) (i) Discuss about the usage of constructors with an example. (8)

(ii) Explain any four string operations in java with suitable examples. (8)

12. (a) Write a Java program using classes to sort an array of '*N*' numbers in ascending order. Give and explain the comments for your program. (16)

Or

(b) What did you mean by polymorphism? Explain how run-time polymorphism is achieved in java with example. (16)

13. (a) With the illustration explain multi threading, thread life cycle and thread properties. (16)

Or

(b) Explain various exception handling mechanisms available in Java with neat example. (16)

14. (a) Construct a Java program to create a calculator with the four basic arithmetic operations(/, *, -, +). (16)

Or

(b) Explain various controls for layout management in detail. (16)

15. (a) Describe about the different input and output streams and their classes. (16)

Or

(b) List out the steps to be followed to connect java with database. Explain that with an example. (16)

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