

Government College of Engineering, Amravati

(An Autonomous Institution of Government of Maharashtra)

Programme Name: B.Tech. Information Technology

Class Test- I

Course Code – CSU301

Course Name: Prog.Methodology

Duration-1Hr

Academic Year-2016-17

Max. Marks-15

✓ Q.1) Explain features of java – i) robust ii) object oriented

[5M]

✓ Q.2) List and describe operator precedence in java.

[3M]

✓ Q.3) Describe multidimensional array in java.

[2M]

Q.3) Write a program to find sum of the series.

$$1 + X^3/3! + X^5/5! + X^7/7! + \dots \text{ n terms}$$

[5M]

OR

✓ Q.4) Write a program using switch case to check in which division student has passed the

examⁿ [exple mark

distⁿ ≤ 75

~~2nd~~ ≥ 60

1st class > 75

GOVT. COLLEGE OF ENGINEERING, AMRAVATI

Department of Computer Science and Engineering

CLASS TEST-I (Winter 2015) B. Tech. Second Year

Course: Programming Methodology Code: CSU301 Time: 1 hrs. Marks: 15

Note: Solve any three questions

- Q1. Explain any five features of Java in detail.
- Q2. Write a program to generate 5 Random nos. between 1 to 100, and it should not follow with decimal point. (Use Math class)
- Q3. Explain constructor with its all type and example.
- Q4. Why Java is platform independent? Explain and justify.



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Q.1) Explain java compilation cycle in details.

[5M]

Q.2) Differentiate between Applet and Appliation.

[3M] 2M

Q.3) What is type casting?

[2M] 3

Q.3) Write a program to calculate:

[5M]

$$1 - 1/2! + 1/3! - 1/4! + 1/5! - \dots$$

and derive the necess