MAY 2016　　　　　　**P/ID 37480/PMANK**

Time : Three hours　　　　　　Maximum : 100 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Give the general form of assignment statement.

2. What is a token?

3. Give the general form of ?: operator.

4. Given $a = 18$ and $b = 4$, find the values of a/b and $a \% b$.

5. What is an array? Give an example.

6. Give the basic form of class definition.

7. Give the general form of finally statement.

8. What is multithreading?

9. What is a remote applet?

10. What is an URL?

SECTION B — (5 × 7 = 35 marks)

Answer any FIVE questions.

11. Explain command line arguments.

12. Discuss the different data types in Java.

13. What are relational operators? Explain each one of them with example.

14. Explain how to create, declare and initialize arrays.

15. Explain how to set thread priority.

16. Give the general form of try block.

17. Describe the various sections of a web page.

18. Explain how to provide interactive input to applet.

SECTION C — (3 × 15 = 45 marks)

Answer any THREE questions.

19. Write a program to determine the sum of the following harmonic series for a given value of n.

$$1 + \frac{1}{2} + \frac{1}{3} + \cdots + \frac{1}{n}.$$

The value of n should be given interactively through the keyboard.

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20. Give the general forms of while and do statements. Explain with examples.

21. Explain wrapper classes.

22. What is synchronization? When do we use it? Explain in detail.

23. Explain how to design a web page.

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