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Roll No .....

**IT-505 (GS)**  
**B.E. V Semester**  
Examination, June 2020  
**Grading System (GS)**  
**Java Programming**  
*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. What are the Basic functions of Java Application Programming Interface (API)?
2. Design a GUI application that accepts two numbers in two different text boxes and displays addition of them in a label when add button is clicked. Give buttons to clear and exit also.
3. a) Explain the following terms with respect to exception handling
  - i) Try
  - ii) Catch
  - iii) Throw
  - iv) Finallyb) Distinguish between Input stream and reader class.
4. Write an applet program that accepts two input string using <param> tag and concatenate the strings and display it in status window.

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5. a) What is collection in Java? Differentiate between Vector and Array List.  
b) Justify statement.
  - i) JVM is platform dependent
  - ii) There is no destructor in Java
  
6. Write a program in Java to create a text file and perform write operation on the text file.  

OR

  - i) Distinguish between break and continue statement in Java.
  - ii) Explain concept of user defined package in brief.
  
7. Discuss about the following:
  - i) Abstract
  - ii) Final
  
8. Write short notes:(Any two)
  - a) AWT classes
  - b) Thread scheduling
  - c) Garbage collection
  - d) Interface

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