

AU-206

B.C.A. Part-III (Semester-V) Examination

CORE JAVA

Paper—5ST1

Time : Three Hours]

[Maximum Marks : 60

N.B. :— (1) All questions are compulsory.

(2) All questions carry equal marks.

1. (a) Explain different literals in Java. 6
- (b) Explain the concept of command-line arguments with suitable example. 6

OR

2. (a) Explain the types of operators in Java with example. 6
- (b) Write a program to display the following pattern using string class.

```
C
C O
C O R
C O R E
C O R E J
C O R E J A
C O R E J A V
C O R E J A V A.
```

3. (a) What is Inheritance ? Explain the use of super and sub keyword in inheritance. 6
- (b) What is constructor ? Explain constructor overloading with example. 6

OR

4. (a) Explain class and object. How can they be created ? Explain with suitable example. 6
- (b) Explain :
 - (i) Abstract class
 - (ii) This keyword. 6
5. (a) What is Interface ? How it is different from class ? Explain. 6
- (b) Explain :
 - (i) Import statement
 - (ii) Implement keyword. 6

OR

6. (a) What is packages ? Explain predefined package with suitable example. 6
- (b) Explain interface definition and its implementation with example. 6
7. (a) What is an exception ? What happens when an exception is not handled in Java ? Explain. 6
- (b) Explain any six methods of thread class. 6

OR

8. (a) Explain :
 - (i) Throw
 - (ii) Throws
 - (iii) Finally. 6
- (b) Explain multiple catch block with suitable example. 6
9. (a) Explain the procedure to create menus in Java. 6
- (b) Explain the various GUI components in Java. 6

OR

10. (a) Create an applet to display the message "Core Java" on the applet area. 6
- (b) What is event ? Explain different types of events. 6