

“Do not write anything on question-paper except Roll Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules.”

Roll No.

B.C.A. (III)
1731

Java Prog.

B.C.A. (Part-III) EXAMINATION, 2018
PAPER-I
BCA: 301- JAVA PROGRAMMING

Time Allowed - Three Hours
Maximum Marks - 80

नोट :- (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिये।

(2) सभी प्रश्नों के अंक समान है।

Note :- (1) Question No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.

1. Define following :-

- (a) Package in Java
- (b) JDK
- (c) Final Keyword
- (d) Access Specifier

- (e) Applets
 - (f) Super Keyword
 - (g) class & object
 - (h) Exception handling
2. What is inheritance ? Explain it's types with suitable example.
3. (a) What is string class ? Explain string functions with example.
- (b) Write a program in Java to find factorial of a given number.
4. Differentiate between the following :-
- (a) Class & Interface
- (b) Method Overloading & Overriding.
5. (a) What is a Package ? Write the steps involved in Creating user define Package.
- (b) Describe features of Java.
6. (a) What is a Thread ? Explain life cycle of thread ?
- (b) Explain Vectors in Java
7. (a) What is Applet ? Explain the steps involved in Creating an Applet.
- (b) What is Thread Synchronization ? Explain.
8. Write short note on following :-
- (a) Super keyword
- (b) Abstract class
- (c) Bit wise operators
- (d) Static member