

“प्रश्न-पत्र पर क्रमांक (रोल नम्बर) के अतिरिक्त कुछ भी न लिखे, अन्यथा इसे अनुचित साधनों का प्रयोग माना जायेगा तथा नियमों के अनुसार कार्यवाही की जायेगी।”

"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 - 2020

Paper-I

BCA-301 : JAVA PROGRAMMING

Time - Three Hours

Maximum Marks - 80

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

(2) All questions carry equal marks .

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

(2) सभी प्रश्नों के अंक समान हैं।

1. Briefly answer the following :

8X2=16

- (a) What is JDK ?
 - (b) What is JVM ?
 - (c) Define Package .
 - (d) What is multithreading ?
 - (e) What is use of "SUPER" ?
 - (f) What is applet ?
 - (g) What is interface ?
 - (h) Define abstract class .
2. (a) Explain features of JAVA. 8
- (b) Explain constructor & it's types. 8
3. (a) Explain difference between abstract class & interface with example. 8
- (b) Explain the use of "Final" keyword in JAVA. 8
4. Write a program in JAVA to design a class employee with 5 data of employee record & find out employee details having highest salary by a method. 16
5. (a) Write a program in JAVA to reverse a string given by user without use of library functions. 8
- (b) Write a program in JAVA to implement multiple inheritance. 8
6. (a) What do you mean by applet in JAVA ? Explain life cycle of applet. 8
- (b) Write a program to show calling sequence of constructors. 8

7. What is string ? Explain string functions available in JAVA with example. 16

8. Write short note of following : 4X4=16

(a) Garbage collection

(b) Access specifier

(c) "this" keyword

(d) Exception handling