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Printed Pages: 3

Roll No.

B.Sc. Honours (Com. Sci.)-IV Sem.

NS-3302

B.Sc. Honours (Com. Sci.)-IV Sem. Examination,

June-2022

JAVA PROGRAMMING AND PHP

BHCS-401

Time: 3 Hours]

[Maximum Marks: 75

Note: Attempt all the sections as per instructions.

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Section-A

(Very Short Answer Questions)

Note: Attempt all the five questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words.

5×3=15

- 1. Java is platform independent Justify.
- 2. What is final variable? Give example also.
- 3. What is Applet viewer? Explain.
- 4. What is a package?
- 5. Define Inheritance.

Section-B

(Short Answer Questions)

Note: Attempt any **two** questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

2×7½=15

6. Explain the following:

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- (a) Super and Final
- (b) Exception
- 7. Explain the life cycle of the Thread?
- 8. What is clipping explain with an example?

Section-C

(Detailed Answer Questions)

Note: Attempt any three questions out of the following five questions. Each question carries 15 marks.

Answer is required in detail. 3×15=45

- 9. (a) Explain Applet life cycle. Write all the methods used to create applet with example.
 - (b) What is an array? What are the uses of array?
- 10. (a) Write a program to check whether given string is palindrome or not.
 - (b) Write a program that inputs three names and print them in their alphabetical order.

- 11. (a) Explain exception handling in Java. What is the method of handling exception in Java?
 - (b) What are the differences between an applet and an application?
 - 12. (a) What is the difference between overriding and overloading a method?
 - (b) Explain Abstract class with an example
 - 13. Write short notes on:
 - (a) Constructors acedca.in
 - (b) Garbage Collection
 - (c) JVM