

Bachelor of Computer Applications (Semester-IV) Internal Examination - 2026
US04MABCA01 : Object Oriented Programming-I

Date: 07/03/2026, Saturday
Time: 02:45pm TO 04:15pm

Total marks :30

Q:1 Multiple Choice Questions:

[06]

- _____ is one of the inventors of Java.
A) Dannis Ritchie
B) James Gosling
C) BjarneStraustrup
D) Balagurusamy
- Java compiler translates source code into _____.
A)Bytecodes(VirtualMachine Code)
B) Bitcode
C) Machine Code
D) User code
- Range of short variable is _____.
A) -128 to 128
B) -128 to 127
C) -32768 to 32767
D) -32768 to 32768
- "Use of undeclared variables" is the _____ type of error.
A) Logical
B) Exception
C) Run-time
D) Compile-time
- _____ is caused when a conversion between string and number fails.
A) NullPointerException
B) NumberFormatException
C) IOException
D) SecurityException
- Which of following is/are the types of statements?
A) PreparedStatement
B) CallableStatement
C) Both
D) None



Q:2 What is Java? Explain the features of Java.

[06]

OR

Explain the data types available in Java.

Q:3 What is a constructor? What are its special properties?

[06]

OR

Write short note on method overloading and method overriding.

Q:4 Explain Arithmetic Exception with an example.

[06]

OR

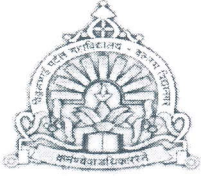
What is package? What are the benefits of package? Explain Java API packages.

Q:5 What is Java Database Connectivity? Explain component of JDBC.

[06]

OR

Explain JDBC architecture in detail.



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V.P. & R.P.T.P. SCIENCE COLLEGE
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Bachelor of Computer Applications (Semester IV) Quiz - 2026
US04MABCA01 : Object Oriented Programming-I

Date: 07/03/2026, Day: Saturday

Time: Maximum 20 minutes

Total marks :15

Q-1 Fill in the blanks with appropriate.

[08]

- (i) Java interpreter translates _____ into machine code.
- (ii) _____ is reserved keyword in java.
- (iii) _____ defines only abstract methods and final fields.
- (iv) _____ keyword is used in Java to define a constant.
- (v) Character streams can be used to read and write _____ Unicode characters.
- (vi) _____ package is used for creating and implementing applets.
- (vii) _____ package must import before use of JDBC in program.
- (viii) The automatic conversion from primitive data type to its corresponding wrapper class is known as _____.



Q-2 Whether the following statement is true or false. Write your answer in the box

[07]

- (i) Java is developed by Sun Microsystems of USA. []
- (ii) The process of converting one data type to another is called Translating. []
- (iii) Java supports interfaces. []
- (iv) Public methods must be override in the subclass. []
- (v) All syntax errors are known as Compile-time errors. []
- (vi) ArrayIndexOutOfBoundsException is caused by bad array indexes. []
- (vii) JDBC is a java API which enables the java programs to execute SQL statements. []