



**NBW-003-008204** Seat No. \_\_\_\_\_

**M. Sc. (IT & CA) (Sem. II) (CBCS) Examination**

**April / May - 2017**

**EMY - 2023 : Core Java**

*(Old Course)*

**Faculty Code : 003**

**Subject Code : 008204**

Time : 3 Hours]

[Total Marks : 70

**1** Attempt any ten of the following : **30**

- (1) Define : encapsulation, inheritance
- (2) Explain in brief java.lang
- (3) What is string in java ? List at least five methods of string. Explain any one of them,
- (4) Define : class, object and method
- (5) Briefly explain "this".
- (6) What is constructor ? Explain in brief.
- (7) Which kinds of inheritance are supported by Java ? Explain with suitable example.
- (8) Explain final key word with suitable example.
- (9) Differentiate: Overloading **Vs** Overriding.
- (10) Explain: public static void main(String s)
- (11) What is wrapper class ? List the different wrapper classes supported in java. Explain any one of them.

**2** Attempt any three of the following : **15**

- (1) What is access specifier in Java ? List and explain different access specifiers supported by java.
- (2) What is abstract method ? Explain in detail.
- (3) What is inner class ? Explain the utility of inner class.
- (4) What is exception ? Explain built in exception in java.

- 3** Attempt any two of the following : **15**
- (1) Explain access specifier with respect to package in detail.
  - (2) What is layout manager ? List different layout manager. Explain any one of them.
  - (3) Explain the life cycle of Applet. Explain it with suitable example.
- 4** Attempt any one of the following : **10**
- (1) What is event handling ? List the different interfaces of event handling model in java. Explain any two of them with suitable examples.
  - (2) Explain JTree with suitable example.
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