



**PAQ-003-004502**

Seat No. \_\_\_\_\_

**B. Sc. (I.T.) (Sem. V) (CBCS) Examination**

**October / November - 2018**

**CS - 26 : Advance Java Programming**

**Faculty Code : 003**

**Subject Code : 004502**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1 (a) Answer the following : 4
- (1) JDK stands for \_\_\_\_\_ ?
  - (2) What is the use of Class.forName() method ?
  - (3) RMI stands for \_\_\_\_\_ ?
  - (4) Which of the method is member of remote class?
- (b) Answer any **one** out of two : (answers in brief) 2
- (1) Explain Stub and Skeleton.
  - (2) Explain JDBC Driver Types.
- (c) Answer any **one** out of two : (answers in detail) 3
- (1) Explain DatabaseMetaData interface.
  - (2) Explain difference between RMI registry and OS agent.
- (d) Answer any **one** out of two : (write notes on) 5
- (1) Explain RMI architecture.
  - (2) Explain Connection interface.
- 2 (a) Answer the following : 4
- (1) MIME stands for \_\_\_\_\_ ?
  - (2) Which interface contains life cycle method in servlet?
  - (3) JMS stands for \_\_\_\_\_ ?
  - (4) Which of the method is start servlet?

- (b) Answer any **one** out of two : (answers in brief) **2**
- (1) Explain Servlet Exception.
  - (2) Explain URL Rewriting.
- (c) Answer any **one** out of two : (answers in detail) **3**
- (1) Explain Servlet Life cycle.
  - (2) Explain Web.xml file.
- (d) Answer any **one** out of two : (write notes on) **5**
- (1) Explain Cookie with Servlet API.
  - (2) Write a servlet to check Factorial number in range 1-100.
- 3** (a) Answer the following : **4**
- (1) What is filter?
  - (2) Which package is used for http Session Activation listener?
  - (3) Explain attribute Added() method.
  - (4) Write down syntax of servlet context Attribute Listener.
- (b) Answer any **one** out of two : (answers in brief) **2**
- (1) Write down Servlet listener configuration file.
  - (2) Give the common task of filter.
- (c) Answer any **one** out of two : (answers in detail) **3**
- (1) Explain servlet Request listener.
  - (2) Explain Life Cycle of filter.
- (d) Answer any **one** out of two : (write notes on) **5**
- (1) Give the Example of Authentication filter.
  - (2) Explain Event of Listener.

- 4 (a) Answer the following : 4
- (1) What is use of taglib directive ?
  - (2) Which Tag is used as sub attribute of <jsp:plugin> tag?
  - (3) Which method is used to print message in jsp?
  - (4) Which of the method is member of out class?
- (b) Answer any **one** out of two : (answers in brief) 2
- (1) Explain Page directive.
  - (2) Explain <jsp:param>.
- (c) Answer any **one** out of two : (answers in detail) 3
- (1) Explain any five implicit object of JSP.
  - (2) Explain Scope of the jsp object.
- (d) Answer any **one** out of two : (write notes on) 5
- (1) Explain JSP scriptlet.
  - (2) Write a jsp page to print Armstrong number in range 101-999
- (ex. Armstrong number  $(1)^3 + (3)^3 + (5)^3 = 153$ )
- 5 (a) Answer the following : 4
- (1) MVC stands for \_\_\_\_\_ ?
  - (2) What is Model?
  - (3) JSTL stands for \_\_\_\_\_ ?
  - (4) Which tag is store value of variable?
- (b) Answer any **one** out of two : (answers in brief) 2
- (1) Explain advantages of MVC.
  - (2) Explain c:out.

- (c) Answer any **one** out of two : (answers in detail) **3**
- (1) Explain MVC Responsibilities.
  - (2) Explain `c:import` in brief.
- (d) Answer any **one** out of two (write notes on) **5**
- (1) Explain MVC architecture.
  - (2) List out JSTL Tag library and give appropriate example.
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