

Third Year B.C.A. (Semester - I) Examination
Paper - 15BCA301
Advanced Java

Time : Three hours]

[Full Marks - 60

- N.B. :**
- i) All questions carry equal marks
 - ii) Due credit will be given to neatness & adequate dimensions.
 - iii) Assume suitable data wherever necessary.
 - iv) Diagrams & Equations should be given wherever necessary.
 - v) Use Blue/Black ink/refill only for writing the answer book.

- Q.1 Select the correct alternative. 5
- a) Which of the following is advantage of using JDBC connection port.
 - i) Slow performance ii) Using less memory
 - iii) Using more memory iv) Better performance
 - b) Which of the following code is used to get attribute of http session object in servlet.
 - i) Session.showAttributes (string name)
 - ii) Session.getAttributes (string name)
 - iii) Session.updateAttributes (string name)
 - iv) Session.setAttributes (string name)
 - c) Which of the following do not support JSP directly.
 - i) Weblogic server ii) Web sphere server
 - iii) Apache HTTP server iv) Tomcat server
 - d) Which is the component of AWT that can contain another components like button, textfield label etc.
 - i) Window ii) Panel
 - iii) Frame iv) All of above

e) The following specifies advantages of _____

- 1) It is light weight
- 2) It supports pluggable look & feel
- 3) It follows MVC architecture

- i) Swing
- ii) AWT
- iii) Both (i) and (ii)
- iv) None

- Q.2 a) Write procedure to establish connection with database. 5
- b) Write JDBC code for inserting a record in database. 6

OR

- Q.3 a) Explain Driver Manager Class. 5
- b) Write JDBC code for updating data in database. 6
- Q.4 a) What is RMI ? Explain in detail. 5
- b) Explain the following. 6
- i) Frame
 - ii) Panel

OR

- Q.5 a) Explain event delegation model in detail. 5
- b) Explain following. 6
- i) Stub
 - ii) Skeleton
- Q.6 a) What are Servlets ? Explain in detail. 5
- b) What is Session tracking ? Explain in detail. 6

OR

- Q.7 a) What are Cookies ? Explain advantages and disadvantages of cookies. 5
- b) Explain following. 6
- i) HTTP Request
 - ii) HTTP Response

- Q.8 a) Explain the architecture of JSP in detail. 5
- b) Write JSP code to display following pattern. 6

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OR

- Q.9 a) How exceptions are handled in JSP ? Explain in detail. 5
- b) How validations are done in JSP ? Explain in detail. 6
- Q.10 a) What are Swing ? Explain in detail. 5
- b) What is JFC ? State and explain its advantages. 6

OR

- Q.11 a) Explain architecture of swing in detail. 6
- b) Explain following. 5
- i) Swing component
 - ii) Swing Container
