

Hall Ticket Number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Code No. : 311

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
M.C.A. III Year I-Semester (Main) Examinations, Nov./Dec.-2016

Middleware Technologies

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

1. Define Web Server.
2. What is Database Driver?
3. Define Servlet.
4. What is Simple Tag?
5. What is Java Bean?
6. Mention the services of EJB container.
7. List out the Loops in C#.
8. What are the Preprocessor directives in C#?
9. Define StreamReader Class.
10. Write the syntax of FileStream class.

Part-B (5 × 10=50 Marks)
(All bits carry equal marks)

11. a) Discuss about different types of Servers.
b) Explain basic steps to create JDBC application.
12. a) Explain servlet configuration.
b) Discuss about JSP Design Strategies.
13. a) Write about the EJB Architecture.
b) Explain in detail about EJB Session Beans.
14. a) Write about the Layout of the C# Program with an example.
b) Discuss about the Class design in C#.
15. a) Discuss about File I/O in C#.
b) How to build Windows Forms Applications? Discuss.
16. a) Discuss about RPC with an example.
b) What are the Servlet Exceptions? Discuss.
17. Answer any *two* of the following:
 - a) Explain about EJB Entity Beans.
 - b) Describe briefly about CLR with the help of diagram.
 - c) Discuss about ADO.NET

0303030303