

B.TECH.**THEORY EXAMINATION (SEM–VI) 2016-17****WEB TECHNOLOGY****Time : 3 Hours****Max. Marks : 100****Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.****SECTION – A****1. Explain the following:****10 x 2 = 20**

- (a) What is VBScript? Write a “Hello World” program in VBScript.
- (b) What is HTTPS? How HTTPS is different from HTTP.
- (c) What is client side validation? How JavaScript is used for client side validation?
- (d) What are the features of a Java servlets?
- (e) What is a Form? Explain method and action attribute of a Form.
- (f) Write a brief note on ASP.NET.
- (g) What do you understand by hyperlinks in HTML? Write mark-up for an image hyperlink.
- (h) Write a program with external style sheet with CSS.
- (i) What are entity beans?
- (j) What is the use of SMTP? Where is it used?

SECTION – B**2. Attempt any five of the following questions:****5 x 10 = 50**

- (a) Explain Java Applets. What are the applications of Applets?
- (b) What are JAR and Manifest files? What is the use of these files? How these files are accessed?
- (c) What are Java Server Pages? Explain life cycle of a JSP page? How JSP are better than Servlets?
- (d) Differentiate between SAX and DOM parsers in detail.
- (e) Write an example of XML DTD. What are rules for writing DTD? Explain with the help of an example of a book catalog details.
- (f) What is client server relationship? How it is implemented? How client server paradigm is different from peer to peer paradigm?
- (g) Differentiate between Internet and WWW? What are the different services provided by Internet?
- (h) What do you mean by Introspection of a bean? Explain with suitable example? How persistence is important for a Java Bean?

SECTION – C**Attempt any two of the following questions:****2 x 15 = 30**

- 3. Write a note on Struts Framework.
- 4. What do you mean by JDBC driver in Java? Explain web database. How do you manage a database through web? Explain with the help of example.
- 5. Why do we need client side scripting languages like Java Script? How AJAX like technologies is so useful these days? How AJAX is used for single page processing?