

Total No. of Questions : 10]

SEAT No. :

P2472

[Total No. of Pages : 2

[5253] - 195
T.E. (Information Technology)
WEB ENGINEERING & TECHNOLOGY
(2012 Pattern) (Semester - I)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) Define Web Engineering and Web Application. [5]
b) What are the components of generic web application? Explain with suitable example. [5]

OR

- Q2)** a) What are the restrictions in Integrated web design? [5]
b) Explain functional design for web applications. [5]

- Q3)** a) Write HTML code which include table, hyperlink, character formatting and ordered, unordered list. [5]
b) List various client side and server side technologies. [5]

OR

- Q4)** a) What do you mean by internal and external style sheet? [5]
b) Explain 2 Tier and 3 Tier Architecture for web application. [5]

- Q5)** a) What are the advantages of PHP over other scripting languages? [8]
b) Write a PHP script to store data in the database. [8]

OR

- Q6)** a) How is MySQL database connected to PHP? Discuss PHP ODBC in detail. [8]
b) Briefly explain the basic structure of PHP program with an example. [8]

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- Q7)** a) Explain XML Schema, DTD and XSL with example. [8]
b) How do servlets work? Explain in brief. [8]

OR

- Q8)** a) What is Java Servlet and Java Server Page? Explain the life cycle of Servlet. Name the method of Servlet Request Class. [8]
b) What is JSP? Enlist advantages of JSP over CGI? [8]

- Q9)** a) Write a short note on - WordPress. [9]
b) What do Content Management Systems do? How do CMS work? [9]

OR

- Q10)** a) What are the needs and benefits of a web CMS? Discuss in brief. [9]
b) What are the essential functionalities and services that any web CMS should provide? [9]

