

Total No. of Questions : 10]

SEAT No. :

P3387

[5353] - 590

[Total No. of Pages : 3

T.E. (Computer)

WEB TECHNOLOGY

(2019 Pattern)

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

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data, if necessary.*

Q1) a) What are the DTDs? Explain how do they work? [5]

b) Explain how to create and read array elements in java script. [5]

OR

Q2) a) List and discuss any three HTTP commands. [5]

b) Write a program of your choice that demonstrate use of properties of DOM. [5]

Q3) a) What is use of ThreadSafe in JSP? Also Explain Single Thread Model in JSP. [5]

b) List and elaborate any five JSP implicit objects with examples. [5]

OR

Q4) a) Explain the different Data Types available in JavaScript. [5]

b) What is use of JSP action tags? Discuss in details jsp:useBean action tag. [5]

P.T.O.

- Q5)** a) Draw and explain how AJAX works with the help of suitable example. [6]
- b) What is use of XMLHttpRequest Object? Explain its use with the help of simple javascript code. [6]
- c) Classify data type of PHP and describe various data types in each type. [4]

OR

- Q6)** a) What is an associate arrays in PHP? Explain it with the help of simple PHP code. [6]
- b) Identify and explain steps involved in connecting to MySQL with PHP. [6]
- c) Write different applications without AJAX and with AJAX. [4]
- Q7)** a) Does Angular JS supports Single Page Application via multiple views on a single page? Justify your answer. [6]
- b) Draw and explain neat diagram which depicts MVC to the struts architecture. [6]
- c) List and explain events supported by AngularJS to enrich form filling and validation. [4]

OR

- Q8)** a) How to use interceptors in struts 2? List and describe important interceptors provided by struts 2 framework. [6]
- b) What are different ways to create service in AngularJS? Explain Separation of concern in AngularJS. [6]
- c) Write short note on NodeJS. [4]

- Q9)** a) What is Enterprise Java Bean? Draw and explain main components of EJB architecture. [8]
- b) Identify and justify the benefits of using web services. [6]
- c) Write a short note on Spring [4]

OR

- Q10)** a) Decide and explain various aspects while deciding between local and remote interface can be considered. [8]
- b) Draw and explain the role of EJB container in Enterprise applications. [6]
- c) Write a short note on Bootstrap. [4]

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