

USN

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

16CS551

Fifth Semester B.E. Semester End Examination, Dec./Jan. 2019-20

ADVANCED WEB PROGRAMMING

Time: 3 Hours

Max. Marks: 100

- Instructions:**
1. Answer one full question from each unit.
 2. Draw the diagrams wherever necessary.

UNIT - I

L	CO	PO	M
(1)	(1)	(1)	(04)
(2)	(1)	(1)	(06)
(2)	(1)	(1)	(10)

- 1 a. List out difference between frames and hidden frames

- b. Explain HTTP responses along with status codes

- c. Write a short note on

i)Google Suggest ii)Gmail iii)Google Maps iv) Yahoo News v) Bitflux Blog

OR

- 2 a. List and Explain any six principles of Ajax.

- b. Describe with the diagram the advantages and disadvantages of XHR.

- c. Define Design patterns. Explain predictive fetch pattern and submission throttling pattern.

UNIT - II

L	CO	PO	M
(1)	(1)	(1)	(05)
(2)	(1)	(1)	(10)
(3)	(1)	(1)	(05)

- 3 a. List the benefits of full stack development.

- b. Explain with the diagram one-way data binding and two-way data binding.

- c. Write a short note on hardware architecture for MEAN stack development.

OR

- a. Compare relational databases and document databases.

- b. Explain with the diagram MEAN stack architecture. Also explain the purpose of each technology in MEAN stack.

- c. List and explain rapid prototype development stages of MEAN stack architecture.

UNIT - III

L	CO	PO	M
(2)	(1)	(1)	(05)
(5)	(2)	(3)	(10)

- 5 a. Explain request response flow of MVC architecture.

- b. The `add_review` page must contain a form with name, rating and review fields which the user will fill in and submit for a particular location. The appropriate error handling mechanism must be added for the submission of the form. Write the code for `add_review.jade` and design the appropriate desktop and mobile screen layouts for the same.

- c. Explain how you test routes and controllers.