

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

May-June 2026		
B. Tech Program: Information Technology Scheme: III		
Regular Examination: TY Semester: VI		
Course Code: ITC601 and Course Name: WEB X.O		
Date of Exam: 18/05/2026	Duration: 02.5 Hours	Max. Marks: 60

Instructions:

- (1) All questions are compulsory.
(2) Draw neat diagrams wherever applicable.
(3) Assume suitable data, if necessary.

Q. No.	Question	Max. Marks	CO	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Define Semantic Web. Describe the components of Semantic web.		CO1	U
b)	Apply file uploading in Flask with example.		CO4	A
c)	What is Clickjacking? Explain how it works.		CO6	U
Q 2	Solve any two questions out of three: (05 marks each)	10		
a)	Describe Joomla, Drupal, and Django with features.		CO5	U
b)	Create an application to implement inheritance in Typescript.		CO2	A
c)	What is Single-Page Applications? Explain Angular and features of it.		CO3	U
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	Describe typescript module and namespaces and apply it with example.		CO2	A
b)	Create a simple Angular application to perform arithmetic operations. Draw UI of the output.		CO3	C
c)	Explain the importance of web security in modern applications and secure coding practices. Differentiate between OAuth2 and JSON Web Tokens (JWT).		CO6	An
Q.4	Solve any two questions out of three. (10 marks each)	20		
a)	Sketch AJAX Web Application Model and describe it. Describe onreadystatechange Property in AJAX.		CO5	U
b)	Create a feedback form and validate it using Angular.		CO3	C
c)	Describe secure API practices and compare different tools used for web security testing.		CO6	An