

University of Mumbai

Examination 2020

Examinations Commencing from 7th January 2021 to 20th January 2021

Program: BE Information Technology Engineering

Curriculum Scheme: Rev 2016

Examination: T.E. Semester V

Course Code: ITC502 and Course Name: Internet Programming

Time: 2 hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
Q1.	The HTML and HTTP standard are defined by_____.
Option A:	a) Web client
Option B:	b) Internet association
Option C:	c) WWW consortium
Option D:	d) WWW
Q2.	A _____ is a small file that the server embeds on the user's computer.
Option A:	a) String
Option B:	b) cookie
Option C:	c) array
Option D:	d) validate
Q3.	What are the features available in Django web framework?
Option A:	a) Admin Interface (CRUD)
Option B:	b) Templating
Option C:	c) Form handling
Option D:	d) All of the above
Q4.	What are the requirements of URL to retrieve any file from the internet? i) Protocol ii) path Name iii) Retrieve Method iv) Top-level Domain Name
Option A:	a) i , ii
Option B:	b) i, iv
Option C:	c) i, iii
Option D:	d) ii, iii
Q5.	The main purpose of JavaScript in web browser is to _____
Option A:	a) Creating animations and other visual effects
Option B:	b) User Interface
Option C:	c) Visual effects
Option D:	d) User experience
Q6.	Which object is the main entry point to all client-side JavaScript features and APIs?
Option A:	a) Standard
Option B:	b) Location

Option C:	c) Window
Option D:	d) Position
Q7.	Which of the following CSS property is used to set the text formatting?
Option A:	a) font
Option B:	b) font-style
Option C:	c) text-decoration
Option D:	d) text
Q8.	What is the correct syntax of jQuery?
Option A:	a) action().\$(selector)
Option B:	b) \$(selector).action()
Option C:	c) (selector)\$.action()
Option D:	d) action().(selector)\$
Q9.	With the help of which tag, is a row defined in HTML?
Option A:	a) <row>
Option B:	b) <table-row>
Option C:	c) <tablerow>
Option D:	d) <tr>
Q10.	Which of the following CSS Property specifies whether the labels for an element's list items are positioned inside or outside the "box" defined by the listed item?
Option A:	a) list-style
Option B:	b) list-position
Option C:	c) list-style-position
Option D:	d) list-pos
Q11.	Which of the following @viewport Property locks the document in the specified orientation, portrait or landscape?
Option A:	a) orientation
Option B:	b) resolution
Option C:	c) landscape
Option D:	d) portrait
Q12.	_____ methods getCurrentPosition() and getPositionUsingMethodName() specify the callback method that retrieves the location information.
Option A:	a) pos
Option B:	b) type
Option C:	c) required
Option D:	d) Geolocation
Q13.	Which of the following sequence represents the correct sequence of applying CSS link properties for a hyperlink in an HTML document?
Option A:	a) link -> visited -> active -> hover
Option B:	b) link -> visited -> hover -> active
Option C:	c) active -> link -> visited -> hover
Option D:	d) active -> link

Q14.	What is the HTML tag under which one can write the JavaScript code?
Option A:	a) <javascript>
Option B:	b) <scripted>
Option C:	c) <script>
Option D:	d) <js>
Q15.	The _____ element is used to render simple graphics such as line art, graphs, and other custom graphical elements on the client side.
Option A:	a) metadata
Option B:	b) css
Option C:	c) canvas
Option D:	d) art
Q16.	Which property is used to control the duration of Ajax request.
Option A:	a) AsyncPostBckTimeout
Option B:	b) AsyncTimeout
Option C:	c) Timeout
Option D:	d) PostBackout
Q17.	JSON name/value pair is written as
Option A:	a) name' : 'value'
Option B:	b) name = 'value'
Option C:	c) name = "value"
Option D:	d) "name" : "value"
Q18.	The output from PHP is _____
Option A:	a) statically generated
Option B:	b) dynamically generated
Option C:	c) not generated
Option D:	d) no output
Q19.	Syntax for rounding floating point numbers
Option A:	a) random(void)
Option B:	b) round(float \$val, int \$precision)
Option C:	c) random(int \$min, int \$max)
Option D:	d) rnd()
Q20.	What is the Django command to start a new app named 'users' in an existing project?
Option A:	a) manage.py –newapp users
Option B:	b) manage.py newapp users
Option C:	c) manage.py –startapp users
Option D:	d) manage.py startapp users
Q2.	Solve any four Questions out of five 5 marks each
1)	Explain Geo-location and media query with an example in HTML5 and CSS3.
2)	What are the characteristics of Rich Internet Application?

3)	Explain the features and applications of Django.
4)	What are the benefits of using JSON over XML data.
5)	Write short note on: UDDI
Q3.	Solve any Two Questions out of three 10 marks each
1)	Create a HTML form to accept name (TextField), address (TextArea), gender (Radio), and Country (DropDown) fields from user, store it into the My SQL database using PHP Program.
2)	Write code to process online Alumni information for your college. Create forms to get name, address, date of birth, and email id. Use check boxes for taking hobbies and radio buttons for selecting branch. Write JavaScript code to validate the following: i. User has filled all the fields prior to form submission ii. Valid email-id (with '@' and '.') iii. Age validation using DOB (≥ 22 years).
3)	Create a XML page storing name, country, runs scored, balls faced for three batsmen. Represent same data as JSON object