


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Web Programming	Course Code:	CS-406
	Program:	BS(Computer Science)	Semester:	Fall 2016
	Duration:	180 Minutes	Total Marks:	100
	Paper Date:	20-Dec-17	Weight	40%
	Section:	ALL	Page(s):	2
	Exam Type:	Final		

Student : Name: _____ **Roll No.** _____ **Section:** _____

Instruction/Notes: 1. Please answer all the questions (including multiple choice) on the answer book provided.

1- Parameters cannot be sent via a GET request?

a-true

b-false

Marks 2

2- Which of the following does the Container do?

a- Calls the service() method.

b- Adds HTML to the response object.

c-Has a reference to the response object.

Marks 2

3-The container calls the following method on the servlet instance after the servlet instance is created but before the servlet can service any client request:

a-doGet()

b- doPost()

c- service()

d-init()

Marks 2

4-If an HTML form does not explicitly say "method=POST"

a- GET

b-POST

c-TRACE

Marks 2

5- If an HTML form does not explicitly say "method=POST", the request is still sent as a POST.

a-True

b-False

Marks 2

6- You have been given a project to create a Hotel Booking System. You need to manage the following in the web application:

- User\Guest Profile.
- Room Booking functionality.
- Following types of rooms should be available
 - Single
 - Double
 - Queen
- Admin Should be able to set room features and price.
- User should be able to search and book a room.
- User should be able to view the room booking.
- User should be able to update the room booking.

The web application should be able to manage booking and price of the rooms.

- Draw a high level architecture diagram of how you would implement such a system.
- Draw a class diagram of related classes needed for this project.
- Briefly describe each component of your proposed architecture.

Marks 30

7- Write Ajax code to display a video in a webpage to the client. When the client is waiting for the video to load it should show an a message "Please wait while the video loads".

Marks 20

9-What are web services? In a SOAP message packet what are the different parts, explain in detail each part?

Marks 20

10- Explain in detail how you can implement Authentication and Authorization in your web application through declaration?

Marks 20