Internet Technology Lab (IT-7005)

Course Code	IT-7005	Credits-2	L –0, T-0, P-2	
Name of the Course	Internet Technology Lab			
Lectures to be Delivered	26 hours of lab work (2hrs per week)			
Semester End Examination	*Max. Marks:* 50		*Min. Pass Marks:* 20	Maximum Time:3hrs
Continuous Assessment	Lab work 30%, Lab Record 25%, Viva/ Hands on 25%, Attendance 20%)		*Max. Marks:* 50	*Min. Pass Marks:* 25

Instructions for paper setter/ Candidates

Laboratory examination will consist of three parts:

(i) Performing a practical examination assigned by the examiner (25 marks)
(ii) Viva-voce examination (25 marks)

Viva-voce examination will be related to the practicals performed / projects executed by the candidate related to the paper during the course of the semester.

Programming in JavaScript, ASP and Java/Swings/JDBC/Servlets/Beans
*To be done in consultation with the faculty incharge for the course and should lead to the projects in groups of two.

1. Write an application that demonstrates some static method of character class.

2. Create a string buffer object to illustrate how to –
   (a) Display capacity and length of string buffer,
   (b) Insert character at the beginning,
   (c) Append &reverse the string.

3. Write a program that display all the factors of a number entered by user;
e.g. If user entered 8 it would response with 2&4.

4. Write an application that defines sphere class with three constructors first from accepts no arguments . It assume that sphere is centred at origin & has radius of one unit . The record from accept one double value and represents radius and centred at origin . third from accepts four double arguments and specify radius and origin.

5 Write down a programme to implement polymorphism using
   a) Overloading
   b) Overriding
   c)

5. Write down a programme to implement interface and packages in java.

6. Write a programme that illustrate how to use throw statement .create a class that has static method main(),a() ,b(), c(), and d(). Mmain invokes a(),a() invokes b(),b() invokes c() and so on. Method d() declares an array with ten lements and then attempts to access 20^{th} element . Therefore array index out of bond exception is generated.

7. Write an application that execute two threads one after another .Create threads by implementing
   a) Thread Class
   b) Runnable Interface

8. Write a Multithreaded programme that simulate a set of grasshoppers jumping around in a bod. Each grasshopper jumps to a different location
Every 2 to 12 seconds. Display the new location of grasshopper after each of these jumps.

9. Write down programme in java to implement following in java.
a) Linked List
b) Vector Class
c) Hashtable
d) Enumeration

10. Write a programme to implement Applet that displays a different Images based on the days of week.The applet should accept seven parameters thatIdentfy the image file.
11. Write a programme that shows a solid circle that moves from left to right.Across the applet display area .The flicker effect should be noticeable.

12. Write a programme to event handling in java.

13. Write a programme to implement frame, panels through different layout managers in applets and swings.

14. Write a programme to access data from database using JDBC and modify data in the database .

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