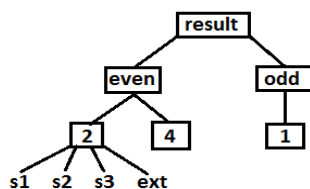|			
Examination	: B.Tech. Semester – I	**Seat No.**	:
Date	: 03/09/2014	**Day**	: Wednesday
Time	:03:45 PM to 05:00 PM	**Max. Marks**	: 36

INSTRUCTIONS:
1. Figures to the right indicate maximum marks for that question.
2. The symbols used carry their usual meanings.
3. Assume suitable data, if required & mention them clearly.
4. Draw neat sketches wherever necessary.

Q.1 Do as directed.
    (a) Specify the reason why UNIX commands are not interactive by default? **[2]**
    (b) Consider that your current pager is *less*. Write set of commands required to change pager to *more*. **[2]**
    (c) Consider file a.txt contains "**ab cd**". What is the output of *od –bc a.txt* **[2]**
    (d) Describe the impact of following : *cd / ; ls –R* **[2]**
    (e) Consider following command is fired twice, what is the impact in each execution. **[2]**
        cp -R abc def
    (f) Describe the difference between the execution of following commands **[1]**
      i)mv abc . /xyz   *ii) mv abc . xyz*
    (g) Specify the command which perform the same task performed by *man –k ls*. **[1]**

Q.2 Attempt *Any TWO* of the following questions. **[12]**
    (a) Consider **result** as current working directory in below figure and write the command to perform following tasks. **[6]**

      1) Copy files **s1, s2,s3** into directory **4**using relative path.
      2) Remove directory **odd** using *–p* option.
      3) Remove directory **2**(consider that **ext** is the write protected file).

    (b) i) What is the significance of *scale, ibase, obase* in *bc* command? **[6]**
      ii) Explain *script* and *pwd* commands with suitable example.

    (c) i) Explain following commands **[4]**
      1) id   2) cmp
      ii) Explain the output of following commands **[2]**
        1) type ls   2) ssty –echo

Q.3 (a) Explain in detail architecture of the UNIX operating system. **[6]**
    (b) Explain *chmod* command with relative and absolute permissions. Consider **x.txt** is the part of **abc** directory. Write the command to protect the removal of **x.txt**. **[6]**
OR
Q.3 (a) Explain all the features of the UNIX operating system. **[6]**
    (b) Consider following two files **a** and **b.** Describe the output of following commands. **[6]**
        i)diff b aii) comm -2 a b

Counter strike Condition zero	Candy Crush
NFS Mostwanted	NFS Mostwanted
Subway Surfers	Plants and Zombies
Temple Run	Subway Surfers
A	*b*

~:All the Best :~