

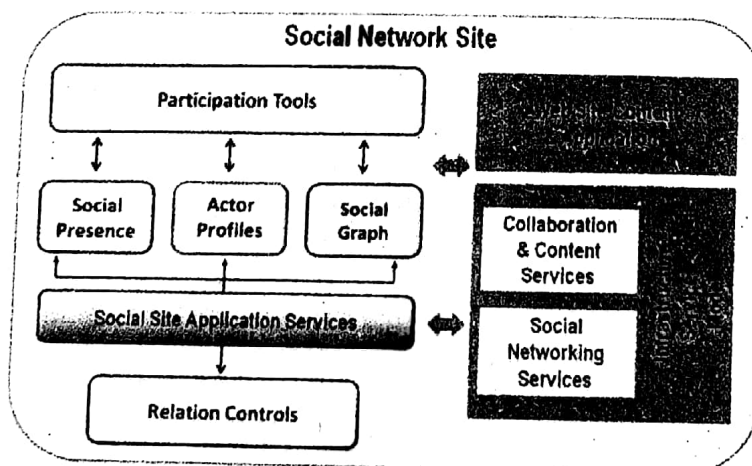
M.Sc. (Informatics) – IV Semester - 2017
IT-41- Network Application Development

Time: 3 Hrs.

Max. Marks: 75

Note: Answer five questions in all. All questions carry equal marks.

- Q 1 a What is HTTP protocol model? How HTTP request is executed? explain in detail. Identify the component parts of the following URL: http://www.google.com/cgi-bin/query?q=ilc+service+network 8
- b Write a php function to sort an associative array according to the value without using `asort()`. Write a PHP function to connect to the mysql Database. Query some data from one table and return the data in json and xml format. 7
- Q 2 Discuss the following in brief: 15
- Webserver
 - Mail Server
 - Network File System
 - Virtual Local Area Network (VLAN)
 - Simple Network Management Protocol
- Q 3 What is a network application? What is server side scripting? What are the similarities and differences between `$_GET` and `$_POST`. Write the use cases of `$_POST` and `$_GET` ?. Design a web page to show employee profile of an organization. The profile should contain all the necessary details about employee (e.g. Employee Name, Employee Code, Photo, Working department etc.) 15
- Q 4 Write a program in any language to fetch various (max. five) parameters of a remote machine. Your program should be supported by a detailed workflow. Store the parameters in a DB and display them on a web page with location and IP of the remote machine. 15
- Q 5 15



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The above diagram shows the block diagram of a social network site, describe each block in terms of the functions and workflows. Propose a technical solution of the above social network

- Q 6 a Draw a logical network diagram of your lab network. What all services it provides? Describe the functioning of your institute's website? Explain the concept with the help of any network service you have used. 7
- b What is a network operating system? How it is different from desktop operating system? Give examples of well-known network operating systems. Discuss any network operating system. 8

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