

Tribhuvan University
Institute of Science and Technology

2070

Internet Technology

Full Marks : 60

Pass Marks : 24

Time : 3 hours

New Course

Candidates are required to give their answers in their own words as far as practicable.

- 1.) How does satellite link work? What are the advantages using satellite as communications ?
- 2.) What do you mean by internet protocol suite ? Discuss about the IP heads.
- 3.) What are the main services provided by PGP protocol? How those consume in mail application?
- 4.) What is VPN tunnel? Illustrate the principle of VPN client-server interaction with an example.
- 5.) Describe the XML usage in web. What an XML element can contain, show with an example.
- 6.) What do you mean by universal naming conventions? Given a URL string
"http:mail.google.com/?shva=index#inbox". Now identify schema name hierarchical part, query
& fragment in the string.
- 7.) How an AJAX program gets executed? Discuss the steps of AJAX operations. Show with eg. How
can we create XML http report object?
- 8.) What are the proxy servers? Differentiate each of open, forward and reverse proxy servers.
- 9.) Define working mechanism of VOIP ? How undefined message benefits the communication
systems?
- 10.) Why load balancing is needed in servers? How WRR allocation for load balancing differs from
dynamic round robin allocation?