

N.B.:

- a) Question No. 1 is compulsory.
- b) Answer any three questions from Q.2 to Q.6.
- c) Figures to the right indicate full marks.
- d) Assume suitable data if required.

Q.1.	a) Why to avoid using dynamic DNS with DHCP.	05
	b) What services you will prefer to monitor?	05
	c) How you will calculate power capacity of your data centre?	05
	d) How you will protect information?	05
Q.2.	a) Explain how you will enhance reliability and service ability of servers.	10
	b) As a System Administrator, how you will build reliable service?	10
Q.3.	a) How you will take care of power, cooling and humidity control of data centre?	10
	b) How you will provide console access for machines in data centre?	10
Q.4.	a) Explain how you will provide security for e-commerce website.	10
	b) Discuss, in brief, namespace policies.	10
Q.5.	a) Explain, in brief, how you will scale web services.	10
	b) Discuss, in brief, capacity and time planning for restores.	10
Q.6.	Write short note on	
	a) Shell scripting	05
	b) PHP scripting for web services	05
	c) Ethics of system administrator	05
	d) Remote access	05
