ROLL NO.

Code: DC70

Subject: NETWORK MANAGE

Diplete – CS (NEW SCHEME)

Time: 3 Hours

JUNE 2012

StudentBounty.com PLEASE WRITE YOUR ROLL NO. AT THE SPACE PROVIDED ON EACH PAGE IMMEDIATELY AFTER RECEIVING THE QUESTION PAPER.

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

Choose the correct or the best alternative in the following: 0.1

 (2×10)

a. E-mail exchange across the world is possible because most vendors have adopted the in their software.

(A) HTTP	(B) SMTP
(C) SNMP	(D) None of the above

b. Network connectivity and fault detection use the following:-

(A)	Telnet	(B)	View
(C)	Ping	(D)	SMTP

c. Tivoli is a product of

(A) CA	(B) IBM
(C) HP	(D) Dell

d. Relationship between control and data tables are used in

(A) RMON	(B) FTD
(C) DNS	(D) None

e. A traffic monitoring tool that reconstructs and interprets protocol messages that span several packets is

(A) Manager	(B) Analyzer
(C) Routing	(D) Alarm

f. _____ is a router that connects two networks and can perform protocol conversion

(A) Hub(C) Either of the above		(B) Switch(D) None of the above
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- StudentBounts.com g. LMDS is a wireless transmission system operating with a maximum range of
 - (A) 3 miles (C) 200 feet

(B) 1 km (**D**) None of the above

- h. ISDN stands for
 - (A) Indian Services Digital Network
 - (B) Integrated Services Digital Network
 - (C) International Services Digital Network
 - **(D)** None of the above
- i. The correlator use alarm events with the event model and determines the common problem that caused the alarm event. This is used in
 - (A) Case-Based reasoning (B) Model-Based reasoning (C) Rule-Based reasoning (D) Code Book correlation model

j. _____ layer controls flow of data in both directions.

(A) Session	(B) Network
(C) Transport	(D) Data link

Answer any FIVE Questions out of EIGHT Questions. Each question carries 16 marks.

Q.2	a.	Describe the analogy of Computer Networks management with Te Network management.	lephone (5)
	b.	Write short notes on TCP/IP.	(2)
	c.	Explain any <u>THREE</u> features for each of the following in management:- (i) Goals (ii) Organisation (iii) Functions.	network (9)
Q.3	a.	Describe the OSI Network Management Model.	(5)
	b.	Explain Network management functional model.	(5)
	c.	Explain how information model and communication are related.	(6)
Q.4	a.	Illustrate how an NMS could monitor a sub-network using a commercial	NMS. (8)
	b.	Specify in detail the SNMP data type format that would serve the b defining managed objects.	asis for (8)

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	Co	ROLL NO de: DC70 Subject: NETWORK MANAGEN	vith (8) (8)
Q.5	a.	Describe specifications of encapsulated SNMP message. Explain it v diagram.	vith (8)
	b.	Elaborate RMON1 groups and functions.	(8)
Q.6	a.	Describe the basic configuration of a protocol analyzer. What ar capabilities of the protocol analyzers that are available in the market?	
	b.	Write short note on Traffic load monitoring and Protocol Statistics.	(8)
Q.7	a.	Discuss the CASE Based Reasoning (CBR) and Model-Based Reasoning e correlation techniques.	vent (8)
	b.	Explain Packet Filtering. Describe the function of Packet Filtering router w diagram.	vith (8)
Q.8	a.	Explain report management function for a network management applic Mention various planning and management reports.	cation. (8)
	b.	Explain Service Level Management and Policy Based Management.	(8)
Q.9	a.	Explain WBEM architecture with a diagram. Give its features.	(8)
	b.	Write short note on NMS with Web Interface and Web based Management	.(8)

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