Code: 1G485

IV B.Tech. II Semester Advanced Supplementary Examinations June 2017

Network Management Systems

(Information Technology)

Max. Marks: 70   Time: 3 Hours

Answer any *five* questions

All Questions carry equal marks (**14 Marks** each)

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1.	a)	Illustrate the usefulness of Network Management System (NMS)	7M
	b)	Draw the network management functional flow chart and elucidate it	7M
2.	a)	Details the SNMP proxy server organization model	4M
	b)	Explain the structure of an ASN.1 macro along with an example of object identity macro	10M
3.		Explain the following groups in MID-2 i. Object group ii. Interface group iii. ICMP group iv. System group	14M
4.	a)	Explain the SNMP PDU format with the support of sniffer management tool.	7M
	b)	Draw the message sequence diagram for get request & get next request PDU operation of SNMV.	7M
5.	a)	How to add Sparse Table to Base Table in ASN.1	4M
	b)	Explain the operation of creation of a row and deletion of a row in SMI v2.	10M
6.		How RMON is used to identify the different frame sizes of two identical token ring networks operated at different efficiencies with same number of stations? Explain the answer in detail.	14M
7.	a)	Draw eTOM business process framework for level-0	7M
	b)	Draw the TMN physical architecture.	7M
8.	a)	Compare the recent standards for web based Network Management.	7M
	b)	Draw the architecture of WBEM. (Web based Enterprise Management)	7M

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