MCA – 64 C

VI Semester M.C.A. Examination, Feb./March 2010
NETWORK MANAGEMENT

Time: 3 Hours Max. Marks : 100

Instructions *: 1) Answer **all** questions in Part **A**, **5** out of **8** in Part **B**, and **4** out of **6** questions in Part **C**.*
*2) Part **A** : Questions from **1** to **8** carry **1** mark and **9** to **14** carry **2** marks **each**.*
*3) Part **B** : **Each** question carries **8** marks.*
*4) Part **C**: **Each** question carries **10** marks.*

PART – A

1. What is the role of Internet Activities Board (IAB) ?
2. Define BER.
3. What is the need of XER ?
4. What is the role of IETF ?
5. Define 'msgMaxSize' in SNMPV3.
6. What is the need of ASN.1 ?
7. What does the MIB do in SNMP ?
8. List out some of the features of network management ?
9. What is the need of SMI ?
10. Write some of the limitations of SNMPV1 ?
11. Explain three types of SMI information modules in SNMPV2
12. Define 'noAcesss' field in SNMPV2.
13. Define RMON2.
14. What is the need of the proxy agent and its functions ?

P.T.O.

PART – B

1. Write a short note on MOM model.
2. With a diagram, explain SNMPV3 message format.
3. Describe BNF and its needs.
4. Briefly discuss about SNMPV1.
5. Illustrate SNMPV1 protocol operations.
6. With a neat diagram, explain SNMPV2 GetBulkRequest PDU format.
7. Explain different SMI data types.
8. Write a short note on fault management.

PART – C

1. Explain basic functions of performance management.
2. Briefly discuss about various stages of management can be carried out.
3. Explain briefly network management architecture.
4. Briefly discuss four stages of developing ANS.1 application.
5. Explain some of the security threads in SNMPV3.
6. With a diagram, explain SNMP architecture.

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