

(100 & A-33) Seat No.:

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY

M.Sc. IT (Semester-3)

Subject : PS03CINT02

Data Communication & Networking

Date: 21-October-2016, Friday

Total Marks: 70

Time : 2.00pm -5.00pm

Q.1 Give answers of following Multiple Choice Questions. [08]

- 1 A _____ network device regenerates signals and operates only in physical layer.
A. Bridge B. Router C. Gateway D. Repeater
- 2 _____ is called a simple, connectionless, unreliable transport protocol.
A. SMTP B. FTP C. UDP D. HTTP
- 3 Full form of GPRS is _____
A. General Package Radio Service
B. General Package Radio System
C. General Packate Radio Server
D. General Packate Radio System
- 4 WAP stands for ...
A. Wireless Application Protocol
B. Wireless Animation Protocol
C. Wireless Allegation Protocol
D. Wifi Application Protocol
- 5 WSP is the binary version of ...
A. HTML C. HTTP B. WML D. XML
- 6 ORB stands for
A. Object Request Broker B. Object Request Branch
C. Object Required Broker D. Object Required Branch
- 7 WSP is binary versions of _____
A. HTML B. XML C. WML D. HTTP
- 8 _____ category of management tries to prevent faults from occurring.
A. Secure fault B. Passive fault C. Active fault D. Proactive fault

Q.2 Answer the following Short Questions. (Attempt any Seven) [14]

- 1 List and explain any one function of Session Layer in OSI model.
- 2 Give the difference between IPV4 V/S IPV6.
- 3 What is SMS? Give the steps for working of SMS.
- 4 Give a brief on WML comments.
- 5 Explain in brief the concept of COM.
- 6 Write a short note on CORBA Services.
- 7 Write a short note on Jini technology.
- 8 Write a short note on Performance Management.
- 9 Give the purpose of the following commands

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Q.3[A] What is OSI Model? Explain Physical Layer and Network Layer with its responsibilities. [06]

[B] Explain IPV6 in detail. [06]

OR

[B] Explain HTTP. [06]

Q.4 [A] Write a short note on: A. Repeater B. Router [06]

[B] What is satellite network? Explain various categories of Satellite Network in brief. [06]

OR

[B] Explain subnet addressing and subnet mask. [06]

Q.5 [A] Explain Bluetooth Protocol Stack with diagram and its explanation. [06]

[B] Discuss in brief WML. [06]

OR

[B] Differentiate between COM and Client Server model. [06]

Q.6 [A] What do you mean by distributed computing? Explain in detail COM. [06]

[B] Explain CORBA architecture in detail. [06]

OR

[B] Write a short note on CORBA services. [06]

ALL THE BEST.....

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