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SEAT No. _____

Total No. of Pages: 02

Sardar Patel University
Master in Information Technology (IT)
3rd Semester Examination-2018
PS03CINT22 – Data Communication & Networking
Thursday, 25-October-2018

Time: 2:00 p.m. to 5:00 pm

Total Marks:70

Q-1 Give answers of following multiple choice questions:

[8]

1. A _____ is a set of device connected by communication links.
(a) Network (c) Node
(b) Router (d) Bridge
2. FTP uses _____ TCP port no for Data connection.
(a) 21 (c) 19
(b) 20 (d) 18
3. In which generation of cellular telecom network, digital signals were introduced?
(a) 1G (c) 3G
(b) 2G (d) 4G
4. The extension of WAP image files is _____.
(a) .wbm (c) .jpg
(b) .wbpm (d) None of these
5. Full form of GPRS is _____.
(a) General Package Radio Service (c) General Package Radio System
(b) General Packet Radio Server (d) General Packet Radio System
6. WSP is binary version of _____.
(a) HTML (c) WML
(b) XML (d) HTTP
7. In IPV6 address is _____ bits long.
(a) 16 (c) 32
(b) 128 (d) None of these
8. A repeater regenerates signals but it does not have _____ facility.
(a) Travelling (c) Generating
(b) Securing (d) Filtering

Q-2 Do as Directed (Any seven)

[14]

1. What is the function of Gateway?
2. Give the differences between UDP and TCP.
3. What is WML script?
4. What is SMS? Give the steps for working of SMS.
5. What is purpose of MIME?
6. Write a short note on Accounting Management.
7. Define: COM & DCOM
8. Explain Piconet in brief.
9. Give the purpose of the following commands.
,
, , <p>.

Q-3

[A] What is OSI model? Explain Data link layer and Network layer with its responsibilities.

[6]

[B] Write short note on: (1) Bridge (2) Repeater

[6]

OR

[B] Explain HTTP in detail.

[6]

①

(PTO)

Q-4

- [A] Explain internet protocol structure of IPv4 in detail. [6]
[B] Explain TCP segment header. [6]

OR

- [B] Explain subnet addressing and subnet mask. [6]

Q-5

- [A] What is Satellite? Explain various categories of satellite network in brief. [6]
[B] Explain Bluetooth Protocol Stack with diagram and its explanation. [6]

OR

- [B] What is WAP? Explain WAP architecture. [6]

Q-6

- [A] What do you mean by distributed computing? Explain in detail COM. [6]
[B] Explain DCOM architecture. [6]

OR

- [B] What are the network management categories? Explain the fault Management. [6]

— X —

(2)