X

Unit 2 - Week 1 :

Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment. **Due on 2018-08-15, 23:59 IST.**

1) TCP/IP based computer Network is a ***1 point***

- Packet-switched network
- Circuit-switched network
- Both
- None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Packet-switched network

2) Network architecture has a stack of layers. Which of the following is not true for this architecture? ***1 point***

- Different layers can be developed separately
- Layers internals are independent
- Network protocols cannot work with multiple layers
- A device can handle one or more layers as per requirement

No, the answer is incorrect.
Score: 0

Accepted Answers:
Network protocols cannot work with multiple layers

3) Fill in the blanks: OSI model have ___ layers, and TCP/IP model have ___ layers. ***0 points***

- 7, 4

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4) How many headers and trailers are added by transport layer in TCP/IP protocol suit? ***1 point***

- 1 header and 2-3 trailers
- 1 header and no trailer
- 2-3 headers and no trailers
- Undefined

No, the answer is incorrect.
Score: 0

Accepted Answers:
1 header and no trailer

5) What are the end network devices? ***1 point***

- Servers, smartphones and computers
- Transceivers, NICs
- Routers and servers
- Smartphones, cell towers

No, the answer is incorrect.
Score: 0

Accepted Answers:
Servers, smartphones and computers

6) What is the basic difference between LAN and WAN ***1 point***

- LAN works with a small area while WAN covers a large geographic area
- LAN connection need to be set up by an organisation while WAN connection need to be rented from a service provider
- Both
- None

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both

7) Match the followings between column A and column B. ***0 points***

Column A	Column B
i) TCP ii) NIC iii) Repeaters iv) Router v) SMTP	M) Physical Layer N) Data Link layer O) Network Layer P) Transport Layer Q) Application

- i,M; ii,N; iii,O; iv,P; v,Q
- i,P; ii,N; iii,Q; iv,O; v,Q
- i,N; ii,Q; iii,M; iv,O, v,P
- i,O; ii,Q; iii,M; iv,N; v,P

No, the answer is incorrect.

Score: 0

Accepted Answers:
i,P; ii,N; iii,Q; iv,O; v,Q

8) Which of the followings state correct differences between a switch and a hub? ***1 point***

I. Switch transmit a signal to all the devices connected to it, hub transmit a signal only to the intended port
II. Switch works in physical layer, hub works at data-link layer
III. Switch works at layer 2 while hub works at layer 1
IV. Switch is a smart device, whereas hub is a dumb device

- I & II
- II & III
- III & IV
- IV & I

No, the answer is incorrect.
Score: 0

Accepted Answers:
III & IV

9) Who defines the Internet architecture? ***1 point***

- IETF
- IEEE
- ACM
- None

No, the answer is incorrect.
Score: 0

Accepted Answers:
IETF

10) Match following properties with the corresponding protocol layers: ***1 point***

I. It provides end-to-end data delivery system.
II. It does not provide reliability, but deliver packets to a remote destination.
III. This layer provides device-to-device communication.
IV. Sometimes, it is considered as address of a host.
V. End users uses this layer directly.
VI. It can use almost any network interface available.

- Application layer-> I; Transport layer-> II, VI; Network Layer-> IV; Data link layer-> III
- Application layer-> V; Transport layer-> I; Network Layer-> II, IV; Data link layer-> VI, III
- Application layer-> III; Transport layer-> I, II; Network Layer-> V; Data link layer-> III, IV
- Application layer-> V; Transport layer-> I, II; Network Layer-> VI; Data link layer-> III, IV

No, the answer is incorrect.
Score: 0

Accepted Answers:
Application layer-> V; Transport layer-> I; Network Layer-> II, IV; Data link layer-> VI, III

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