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gymk.tech@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Cloud Computing (course)**[Announcements \(announcements\)](#) **About the Course** (https://swayam.gov.in/nd1_noc19_cs64/preview) [Ask a Question \(forum\)](#)[Progress \(student/home\)](#) [Mentor \(student/mentor\)](#)

Unit 2 - Week 0 Assignment 0

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Course outline

How to access the
portal

Week 0 Assignment 0

- Quiz : Assignment 0
(assessment?
name=64)

Assignment 0

Your last recorded submission was on 2019-07-23, 20:23 IST

Due date: 2019-08-31, 23:59 IST.

- 1) 1 point
- In electronic mail, which of the following protocol(s) allow(s) the transfer of multimedia message?
- (a) MIME
 - (b) IMAP
 - (c) POP3
 - (d) SMTP
- ☒ (a)
- ☐ (b)

Week 1**Text Transcription**☐ (c)☐ (d)

2) The IP address _____ is/are used by hosts when they are being booted.

1 point

(a) 1.1.1.1

(b) 1.0.0.0

(c) 0.0.0.0

(d) 255.255.255.255

☐ (a)☒ (b)☐ (c)☐ (d)

3) Which of the following layer(s) of OSI Reference model is/are also called end-to-end layer?

1 point

(a) Physical layer

(b) Datalink layer

(c) Network layer

(d) Transport layer

☒ (a)☐ (b)☐ (c)☐ (d)

4) Atomic operation(s) permissible on Semaphores is/are -

1 point

(a) stop

(b) wait

(c) hold

(d) signal

☐ (a)☒ (b)☐ (c)☒ (d)

5)

1 point

Suppose we want to download text documents at the rate of 100 pages per second. Assume that a page consists of an average of 25 lines with 95 characters in each line. What is the required bit rate of the channel?

- (a) 237.5 Mbps
- (b) 237.5 Kbps
- (c) 1.9 Mbps
- (d) 1.9 Kbps

- ☐ (a)
- ☐ (b)
- ☒ (c)
- ☐ (d)

6)

1 point

Which of the following is/are correct statement?

- (a) In memory - mapped I/O, the CPU can manipulate I/O data residing in interface registers that are not used to manipulate memory words.
- (b) The isolated I/O method isolates memory and I/O addresses so that memory address range is not affected by interface address assignment.
- (c) In asynchronous serial transfer of data the two units share a common clock.
- (d) In synchronous serial transmission of data the two units have different clocks.

- ☐ (a)
- ☒ (b)
- ☐ (c)
- ☐ (d)

7)

1 point

Which of the following addressing mode is/are best suited to access elements of an array of contiguous memory locations ?

- (a) Indexed addressing mode
- (b) Base Register addressing mode
- (c) Relative address mode
- (d) Displacement mode

- ☒ (a)
- ☐ (b)
- ☐ (c)
- ☐ (d)

8) Match the following:

1 point

List – I

1. Data link layer
2. Network layer
3. Transport layer
4. Presentation layer

List – II

- i. Encryption
- ii. Connection control
- iii. Routing
- iv. Framing

- (a) 1. (iv), 2. (iii), 3. (i), 4. (ii)
- (b) 1. (iii), 2. (iv), 3. (ii), 4. (i)
- (c) 1. (iv), 2. (ii), 3. (iii), 4. (i)
- (d) 1. (iv), 2. (iii), 3. (ii), 4. (i)

- ☐ (a)
- ☐ (b)
- ☐ (c)
- ☒ (d)

9)

1 point

The address of a class B host is to be split into subnets with a 6 - bit subnet number. What is the maximum number of subnets and maximum number of hosts in each subnet?

- (a) 64 subnets and 1024 hosts
- (b) 64 subnets and 256 hosts
- (c) 62 subnets and 1022 hosts
- (d) 62 subnets and 254 hosts

☐ (a)☐ (b)☒ (c)☐ (d)

10) Which module gives control of the CPU to the process selected by the short-term scheduler? **1 point**

(a) Dispatcher

(b) Interrupt

(c) Scheduler

(d) Threading

☒ (a)☐ (b)☐ (c)☐ (d)

You may submit any number of times before the due date. The final submission will be considered for grading.

Check Answers

Submit Answers

