
 www.kluniversity.in E-mail: moodle@kluniversity.in[↑ Back to 'ALM - CO3'](#)**Question 1**

Not yet answered

Marked out of 1.00

Pipes in RTOS are _____ oriented

Select one:

- ☐ a. Bit
- ☐ b. Double Word
- ☐ c. Byte
- ☐ d. Word

Question 2

Not yet answered

Marked out of 1.00

Which of the following is an ideal interface for LCD controllers?

Select one:

- ☐ a. SPI
- ☐ b. parallel port
- ☐ c. M-Bus
- ☐ d. Serial port



Question 3

Not yet answered

<https://moodle.kluniversity.in/mod/quiz/attempt...>
Marked out of 1.00

Bluetooth uses

Select one:

- ☐ a. orthogonal frequency division multiplexing
- ☐ b. time division multiplexing
- ☐ c. frequency hopping spread spectrum
- ☐ d. none of the mentioned

Question 4

Not yet answered

Marked out of 1.00

Which semaphore will automatically deal with priority inversion problem

Select one:

- ☐ a. Binary
- ☐ b. Resource
- ☐ c. Counting
- ☐ d. Mutex

Question 5

Not yet answered

Marked out of 1.00

The basic building block of software written under an RTOS is called

Select one:

- ☐ a. Semaphore
- ☐ b. Task
- ☐ c. State
- ☐ d. Scheduler

Question 6

Not yet answered

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Marked out of 1.00

_____ allows to send lot of information from one task to another

Select one:

- ☐ a. Queues
- ☐ b. Mailbox
- ☐ c. Semaphore
- ☐ d. Mutex

Question 7

Not yet answered

Marked out of 1.00

_____ can solve the shared data problem

Select one:

- ☐ a. Deadlock
- ☐ b. Mutex
- ☐ c. Task
- ☐ d. Semaphore

Question 8

Not yet answered

Marked out of 1.00

The _____ function reads the value at the head of the queue and returns it to the caller

Select one:

- ☐ a. WriteToQueue
- ☐ b. SwitchToQueue
- ☐ c. ReadFromQueue
- ☐ d. AddToQueue

Question 9

Not yet answered

Marked out of 1.00

Which company developed I2C?

Select one:

- ☐ a. Intel
- ☐ b. Phillips
- ☐ c. Motorola
- ☐ d. IBM

Question 10

Not yet answered

Marked out of 1.00

Which is the fastest and simplest method for inter task communication

Select one:

- ☐ a. Semaphore
- ☐ b. Mutex
- ☐ c. Task
- ☐ d. Pipe

Question 11

Not yet answered

Marked out of 1.00

Which function in VX Works takes the number of system ticks as its parameter

Select one:

- ☐ a. vTask delay
- ☐ b. Processor delay
- ☐ c. Timer delay
- ☐ d. Task delay

Question 12

Not yet answered

Marked out of 1.00

The _____ parameter points to the block of memory to use as the pool

Select one:

- ☐ a. ubuf size
- ☐ b. p_v memory
- ☐ c. upoolld
- ☐ d. ubuf count

Question 13

Not yet answered

Marked out of 1.00

If a task tries to take the semaphore when the integer is equal to zero then the task will block, these type of semaphores are called

Select one:

- ☐ a. Binary
- ☐ b. Resource
- ☐ c. Counting
- ☐ d. Mutex

Question 14

Not yet answered

Marked out of 1.00

Bluetooth is the wireless technology for

Select one:

- ☐ a. personal area network
- ☐ b. local area network
- ☐ c. both local area network and personal area network
- ☐ d. none of the mentioned

Question 15

Not yet answered

Marked out of 1.00

The functions used in RTOS to read and write to pipes

Select one:

- ☐ a. wread and wwrite
- ☐ b. mread and mwrite
- ☐ c. uread and uwrite
- ☐ d. fread and fwrite

Question 16

Not yet answered

Marked out of 1.00

The interval between heartbeat timer interrupts is called

Select one:

- ☐ a. Processor Tick
- ☐ b. RTOS Tick
- ☐ c. System Tick
- ☐ d. Priority Tick

Question 17

Not yet answered

Marked out of 1.00

A part of the RTOS called as _____ keeps track of the state of each task and decides which task should go into the running state

Select one:

- ☐ a. State
- ☐ b. Semaphore
- ☐ c. Scheduler
- ☐ d. Task

Question 18

Not yet answered

<https://moodle.kluniversity.in/mod/quiz/attempt...>
Marked out of 1.00

The most important objective of the USB is to provide _____

Select one:

- ☐ a. Plug and play
- ☐ b. All of the mentioned
- ☐ c. Easy device connection
- ☐ d. Isochronous transmission

Question 19

Not yet answered

Marked out of 1.00

Which of the following are handshake signal?

Select one:

- ☐ a. START and STOP
- ☐ b. STOP
- ☐ c. START
- ☐ d. ACKNOWLEDGE

Question 20

Not yet answered

Marked out of 1.00

Which of the following is not a serial protocol?

Select one:

- ☐ a. SPI
- ☐ b. I2C
- ☐ c. Serial port
- ☐ d. RS232

Question 21

Not yet answered

Marked out of 1.00

_____ are one bit flags with which tasks signal one another

Select one:

- ☐ a. Semaphore
- ☐ b. Event
- ☐ c. Task
- ☐ d. Queue

Question 22

Not yet answered

Marked out of 1.00

The transmission over the USB is divided into ____

Select one:

- ☐ a. Frames
- ☐ b. Tokens
- ☐ c. Pages
- ☐ d. Packets

Question 23

Not yet answered

Marked out of 1.00

Which of the following can be used for long distance communication?

Select one:

- ☐ a. SPI
- ☐ b. Parallel port
- ☐ c. I2C
- ☐ d. RS232

Question 24

Not yet answered

<https://moodle.kluniversity.in/mod/quiz/attempt...>
Marked out of 1.00

A function that works properly even if it is called by more than one task is called

Select one:

- ☐ a. Priority Inversion
- ☐ b. Mutex
- ☐ c. Re-entrant
- ☐ d. Binary Semaphore

Question 25

Not yet answered

Marked out of 1.00

How is data detected in a UART?

Select one:

- ☐ a. clock
- ☐ b. counter
- ☐ c. first bit
- ☐ d. timer