



CS302

FINAL TERM

VU SPARKY



Version (1.1)

VU LMS HANDLING

LMS SERVICES

ONLINE ASSIGNMENTS

ONLINE QUIZ'S

PROJECTS HANDLING

LECTURES ATTENDANCE

INTERNSHIP REPORTS

VU SPARKY

CONTACT US: +923147094561



FOR PAID SOLUTIONS CONTACT 03147094561



Click Join Now & Subscribe Button



SUBSCRIBE

WHATSAPP GROUP 1

Join NOW

WHATSAPP GROUP 2

Join NOW

WHATSAPP GROUP 3

Join NOW

Join WHATSAPP CHANNEL

JOIN NOW

@studywithhamza25

UPDATE

PAID SOLUTIONS CONTACT 03147094561

فائل کو پڑھنے سے پہلے اپڈیٹ والے
لفظ پر کلک کر کے اپڈیٹ کر لے کچھ نئے
سوالات اپڈیٹ کیے جاتے ہیں۔

JOIN GROUP

<https://chat.whatsapp.com/lpD5cfNalJXluIMF5mHQC6>

FOR PAID SOLUTIONS CONTACT 03147094561

JOIN GROUP#3

<https://chat.whatsapp.com/lpD5cfNalJXlu1MF5mHQc6>

1. _____ Counters as the name indicates are not triggered simultaneously

- a. **Asynchronous** ✓*SPARKY*
- b. Positive-Edge triggered
- c. Negative-Edge triggered
- d. Synchronous

2. _____ occurs when the same clock signal arrives at different times at different clock inputs due to propagation delay.

- a. None of given options
- b. Race condition
- c. Ripple Effect

d. Clock Skew ✓*SPARKY*

3. RCO stands for _____

- a. Ripple Clock Output
- b. Ripple Counter Output** ✓*SPARKY*
- c. Reconfiguration Clock Output
- d. Reconfiguration Counter Output

FOR PAID SOLUTIONS CONTACT 03147094561

4. An Asynchronous Down-counter is implemented (Using J-K flip-flop) by connecting _____
- a. Q output of all flip-flops to clock input of next flip-flops
 - b. Q output of all flip-flops to J input of next flip-flops
 - c. Q' output of all flip-flops to clock input of next flip-flops ✓ SPARKY
 - d. Q' output of all flip-flops to K input of next flip-flops
5. The glitches due to "Race Condition" can be avoided by using a _____
- a. Negative-Edge triggered flip-flops
 - b. Positive-Edge triggered flip-flops
 - c. Gated flip-flops
 - d. Pulse triggered flip-flops ✓ SPARKY
6. In mealy machine the output depends on
- a. None of the above
 - b. current state and the inputs ✓ SPARKY
 - c. the inputs
 - d. the current state
7. State of flip-flop can be switched by changing its _____.
- a. Output Signal
 - b. Contemporary Signal
 - c. Momentary Signal

FOR PAID SOLUTIONS CONTACT 03147094561

d. Input Signal ✓ *SPARKY*

8. Number of states in an 8-bit Johnson counter sequence are:

a. 14

b. 16 ✓ *SPARKY*

c. 8

d. 12

9. When an eight bit serial in/out shift register is used for a 24 micro seconds time delay, the clock frequency must be

a. 333 KHz ✓ *SPARKY*

b. 125 KHz

c. 8 MHz

d. 41.67 KHz

10. An Astable multivibrator is known as a(n) _____

a. One-shot

b. Booster

c. Dual-shot @studywithhamza25

d. Oscillator ✓ *SPARKY*

FOR PAID SOLUTIONS CONTACT 03147094561

1. The ___ enable input of the decoder when set to 1 disables the decoder and the multiplexers.
 - a. A
 - b. B
 - c. **G** ✓ *SPARKY*
 - d. S

2. 2-Input, 8-bit Multiplexer, by setting the S input to logic ___ the ___ inputs of both the multiplexers are selected.
 - a. **Low, B** ✓ *SPARKY*
 - b. High, B
 - c. Low, C
 - d. Low, C

3. Which of the following 4-bit ALU has five function select inputs?
 - a. 74XX381
 - b. **74XX181** ✓ *SPARKY*
 - c. 74XX182
 - d. 74XX382

4. A NOR based S-R latch is implemented using _____ gates instead of _____ gates.
 - a. **NOR,NAND** ✓ *SPARKY*
 - b. NOR,XOR
 - c. OR,XOR
 - d. XOR,NAND

5. In Cascading Priority Encoders, the EO output is connected to the EI input of the encoder which handles _____.
 - a. Higher priority inputs
 - b. Lower priority outputs
 - c. Higher priority outputs
 - d. **Lower priority inputs** ✓ *SPARKY*

FOR PAID SOLUTIONS CONTACT 03147094561

6. A-stable multi-vibrator continuously changes from one unstable state to the other without any_____.

- a. Variable
- b. External trigger ✓ SPARKY
- c. Flip flop
- d. Output

7. In the Iterative Circuit for $A > B$, the output of Module 0 is 1 when _____.

- a. $A_0 < B_0$
- b. $A_0 > B_0$ ✓ SPARKY
- c. $A_0 \geq B_0$
- d. $A_0 = B_0$

8. There are _____ possible combinations of the Simple Mode in which OLMC can be configured.

- a. four ✓ SPARKY
- b. five
- c. two
- d. three

9. Basic function of a Comparator is to _____ two binary quantities.

- a. Compare ✓ SPARKY
- b. Simplify
- c. Separate
- d. Evaluate

10. The _____ input selects/deselects both the decoders simultaneously.

- a. Active high
- b. Disable
- c. Active Low
- d. Enable ✓ SPARKY

FOR PAID SOLUTIONS CONTACT 03147094561