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21. ASM chart is very same to

- a. state diagram
- b. flowchart
- c. data box
- d. operation

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Answer: (a).
state diagram

22. To continue the count E must be

- a. enabled
- b. reset
- c. stopped
- d. cleared

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Answer: (d).
cleared

23. At E=1, register R will be

- a. enabled
- b. reset
- c. stopped
- d. cleared

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Answer: (d).
cleared

24. The rounded corners of conditional box differentiate it from

- a. state box
- b. decision box
- c. data box
- d. conditional box

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Answer: (a).
state box

25. For going to the next state flip-flop is set to

- a. 1
- b. 0
- c. y
- d. don't cares

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Answer: (a).

1

26. Control implementation method is

- a. practical
- b. impractical
- c. enabled
- d. cleared

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Answer: (b).

impractical

27. The timing for all flip-flops in digital system is controlled by

- a. Memory
- b. latches

- c. Master clock Generator
- d. None

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Answer: (b).
latches

28. Symbolic notation $R \leftarrow 0$ represents

- a. Clear Register
- b. Move register
- c. Add contents to Register
- d. None

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Answer: (d).
None

29. The first level of design with multiplexer determines the register's

- a. present state
- b. input
- c. next state
- d. output

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Answer: (c).
next state

30. The number of inputs and outputs in a state table are

- a. equal
- b. same
- c. unequal
- d. not present

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Answer: (a).
equal

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