

36. For the activity-on-node (AON) network diagram
- a. the arrows represent activities and the nodes represent events
 - b. the nodes represent activities and the arrows indicate precedence relationships**
 - c. the arrows represent events and the nodes indicate precedence relationships
 - d. the nodes indicate precedence relationships and the length of the arrows indicates how much time the activity requires

(Medium)

37. The longest path through the network, in terms of time, is referred to as the
- a. activity-on-node path
 - b. path of greatest slack
 - c. critical path**
 - d. scheduling path

(Easy)

38. In general, the earliest finish time for an activity is equal to
- a. the earliest start time + the activity time estimate**
 - b. the earliest start time – the activity time estimate
 - c. the earliest start time – the slack time
 - d. the earliest start time + the slack time

(Medium)

39. In general, the latest finish time for an activity is equal to
- a. the latest finish time – the activity time estimate
 - b. the minimum of the latest start times for immediate following activities**
 - c. the maximum of the latest start times for immediate following activities
 - d. the average of the latest start times for immediate following activities

(Hard)

40. For activities on the critical path
- a. earliest start time (ES) = latest start time (LS)**
 - b. earliest start time (ES) > latest start time (LS)
 - c. earliest start time (ES) < latest start time (LS)
 - d. earliest start time (ES) = latest finish time (LF)

(Medium)

41. The slack time for an activity can be computed as
- a. latest start time (LS) – latest finish time (LF)
 - b. earliest start time (ES) + earliest finish time (EF)
 - c. latest start time (LS) – earliest start time (ES)**
 - d. latest finish time (LF) + earliest finish time (EF)

(Medium)

62. Using Table 9.2, the probability that the project will take longer than 33 weeks to complete is approximately
- a. **0.19**
 - b. 0.32
 - c. 0.68
 - d. 0.81

(Hard)

A project consists of the following four activities with activity times in days:

Activity	Predecessor	Time
A		6
B	A	5
C	A	4
D	B,C	8

Table 9.3

63. Using Table 9.3, the earliest finish (EF) for activity C is
- a. 4
 - b. 6
 - c. **10**
 - d. 11

(Medium)

64. Using Table 9.3, the earliest start for activity B is

- a. 5
- b. **6**
- c. 11
- d. 14

(Medium)

65. Using Table 9.3, the latest start (LS) for activity D is

- a. 8
- b. **11**
- c. 19
- d. 12

(Medium)

66. Using Table 9.3, the critical path for this project is

- a. A-B-C
- b. A-C-D
- c. **A-B-D**
- d. A-B-C-D

(Medium)