

PRACTICE EXAM 10: TRAIN OPERATOR SIMULATION

(100 QUESTIONS)

This independently written 100-question practice exam is modeled on the ability areas listed in the MTA New York City Transit Train Operator Notice of Examination: written comprehension, written expression, problem sensitivity, deductive reasoning, information ordering, spatial orientation, number facility, visualization, and customer service. Choose the single best answer for each question. The MTA notice requires at least 70% to pass but does not publish official domain percentages, a fixed question count, or a fixed test time for this notice. Operational rules inside questions are fictional practice rules unless stated otherwise.

1. Bulletin: 'The equipment room opens at 5:50 a.m. Badge check ends at 6:10 a.m. Employees arriving after 6:10 a.m. must report to the supervisor before entering.' Which statement is supported?

- A. Badge check continues until 6:14 a.m.
- B. The equipment room opens at 6:10 a.m.
- C. Late employees may enter without contacting anyone.
- D. A 6:14 a.m. arrival requires supervisor reporting before entry.

2. Which sentence is the clearest and most appropriate way to report that a door-status light remained illuminated after the close command at 7:18 a.m.?

- A. The door light was acting strange around 7:18 a.m.
- B. At 7:18 a.m., the broken door light proved the door could not close.
- C. At 7:18 a.m., the door-status light remained illuminated after the close command.
- D. Door-status light on after close command, probably because somebody damaged it.

3. Which observation most clearly signals a problem that should be recognized before normal operation continues?

- A. A required cab indicator remains inconsistent after the normal reset check.

- B. A printed schedule has a small crease in one corner.
- C. A passenger is reading while seated away from the platform edge.
- D. The cab clock differs from a wristwatch by one minute.

4. Use these fictional rules only: a work item is PRIORITY when status is ACTIVE and severity is at least 3. Which item is PRIORITY?

- A. Status ACTIVE; severity 2
- B. Status ACTIVE; severity 3
- C. Status HOLD; severity 4
- D. Status HOLD; severity 2

5. A fictional procedure has these steps: 1 inspect, 2 record, 3 notify, 4 close. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-2-3-4
- C. 1-3-2-4
- D. 1-2-4-3

6. On a coordinate grid, east increases x and north increases y. Starting at (2, 1), move 2 units east, then 1 units north, then 2 units west. At what coordinate do you finish?

- A. (2, 2)
- B. (3, 2)
- C. (2, 3)
- D. (1, 1)

7. A train passes marker 115 and later marker 153. How many marker units did it travel?

- A. 28

- B. 48
- C. 38
- D. 268

8. Imagine an arrow initially pointing north. Rotate the arrow 90 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. South.
- C. West.
- D. East.

9. A passenger asks which platform is currently being used, but you are not certain because a service change was just announced. Which response is best?

- A. Explain that the platform must be verified and direct the passenger to the current official information source.
- B. Guess the most likely platform so the passenger can move immediately.
- C. State the usual platform confidently even though the change may affect it.
- D. Tell the passenger that platform information is not your responsibility.

10. Notice: 'Track 1 is closed between Markers 44 and 50 until 9:30 a.m. Track 2 remains open. The closure does not apply after Marker 50.' Which statement is supported?

- A. Both tracks are closed until 9:30 a.m.
- B. Track 1 is closed beyond Marker 50 all morning.
- C. Track 2 remains available while Track 1 is closed between the stated markers.
- D. Track 2 reopens only after 9:30 a.m.

11. Which sentence is the clearest and most appropriate way to report that a passenger reported that the rear-car announcement was difficult to hear at 9:06 a.m.?

- A. A passenger complained that the announcements were terrible.
- B. At 9:06 a.m., the bad speaker system made the rear-car announcement impossible to hear.
- C. Rear car announcement hard to hear, passenger said, and it was annoying.
- D. At 9:06 a.m., a passenger reported that the rear-car announcement was difficult to hear.

12. Which condition most strongly suggests a possible track-area hazard?

- A. A wall poster has a faded corner.
- B. A loose object protrudes into the track area.
- C. A passenger carries a folded newspaper.
- D. A station bench has a scratched surface.

13. Use these fictional rules only: movement is permitted when authorization is YES and the blocking code equals 0. Which movement is permitted?

- A. Authorization YES; blocking code 1
- B. Authorization YES; blocking code 0
- C. Authorization NO; blocking code 0
- D. Authorization NO; blocking code 2

14. A fictional procedure has these steps: 1 secure, 2 copy, 3 file, 4 archive. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-3-2-4
- C. 1-2-3-4
- D. 1-2-4-3

15. On a coordinate grid, east increases x and north increases y. Starting at (5, 6), move 3 units west, then 3 units south, then 3 units east. At what coordinate do you finish?

- A. (5, 3)
- B. (6, 3)
- C. (5, 4)
- D. (4, 2)

16. A train completes 4 trips with 10 scheduled stops on each trip. How many scheduled stops are counted in all?

- A. 14
- B. 30
- C. 44
- D. 40

17. Imagine an arrow initially pointing east. Rotate the arrow 180 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. East.
- C. West.
- D. South.

18. A rider is upset about a delay and speaks sharply while asking what is known. Which response is best?

- A. Argue that the rider should not be upset because delays happen.
- B. Acknowledge the concern, provide the confirmed delay information, and explain the next available option if known.
- C. Promise an exact arrival time even though none has been confirmed.
- D. Ignore the rider until the rider becomes calmer.

19. Bulletin: 'A revised schedule takes effect at noon. Trips departing before noon use the old schedule. Trips departing at or after noon use the revised schedule.' Which schedule applies to a 12:05 p.m. departure?

- A. The revised schedule applies.
- B. The old schedule applies.
- C. Either schedule may be chosen.
- D. No schedule applies until 12:30 p.m.

20. Which sentence is the clearest and most appropriate way to report that a checklist was completed at 6:42 a.m. and submitted at 6:47 a.m.?

- A. The checklist was done and sent in a few minutes later.
- B. At 6:42 a.m. the checklist completed, it submitted at 6:47 a.m.
- C. The checklist was finally completed at 6:42 a.m., proving the earlier shift was late.
- D. The checklist was completed at 6:42 a.m. and submitted at 6:47 a.m.

21. Which observation most clearly indicates a communication problem?

- A. A passenger speaks quietly to a companion.
- B. Repeated radio messages are received with missing words and broken audio.
- C. A station sign uses smaller letters than another sign.
- D. A paper timetable lists several departure times.

22. Use these fictional rules only: a route is LIMITED when it has no more than 4 stops and includes Terminal T. Which route is LIMITED?

- A. 5 stops; Terminal T included
- B. 3 stops; Terminal T not included
- C. 4 stops; Terminal T included
- D. 6 stops; Terminal T not included

23. A fictional procedure has these steps: 1 receive, 2 repeat, 3 act, 4 confirm. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 1-2-3-4
- B. 2-1-3-4
- C. 1-3-2-4
- D. 1-2-4-3

24. On a coordinate grid, east increases x and north increases y . Starting at $(8, 2)$, move 4 units east, then 5 units north, then 1 units west. At what coordinate do you finish?

- A. $(12, 7)$
- B. $(11, 8)$
- C. $(10, 6)$
- D. $(11, 7)$

25. A log contains 104 entries. If 35 have already been reviewed, how many remain?

- A. 35
- B. 139
- C. 69
- D. 79

26. Imagine an arrow initially pointing south. Rotate the arrow 270 degrees clockwise without flipping it. Which direction does it point afterward?

- A. East.
- B. North.
- C. South.
- D. West.

27. A passenger with limited English appears confused by a service change. Which response is best?

- A. Speak much louder while repeating the same complicated explanation.
- B. Tell the passenger to find someone else who speaks better English.
- C. Avoid helping because the explanation may take additional time.
- D. Use simple respectful language, point to clear service information, and confirm the passenger understands the needed direction.

28. Notice: 'The north entrance is closed for repairs. The south entrance and elevator entrance remain open. Deliveries must use the south entrance only.' Which entrance must a delivery use?

- A. The north entrance.
- B. The south entrance.
- C. Either the south or elevator entrance.
- D. Any entrance except the north entrance.

29. Which sentence is the clearest and most appropriate way to report that water was observed near the base of a cabinet at 1:13 p.m. and supervision was notified.?

- A. There was water by a cabinet, so somebody was called.
- B. At 1:13 p.m., a leaking pipe flooded the cabinet area and supervision was notified.
- C. Water near cabinet at 1:13, obviously a maintenance failure, supervision notified.
- D. At 1:13 p.m., water was observed near the base of a cabinet and supervision was notified.

30. Which condition most strongly signals a possible electrical concern?

- A. A dry paper cup is in a trash container.
- B. Water is collecting beside energized control equipment.
- C. A light fixture has a dusty cover.
- D. A closed umbrella is leaning against a wall.

31. Use these fictional rules only: an inspection is DUE if operating hours are at least 500 or the alert flag is ON. Which unit is DUE?

- A. Operating hours 420; alert ON
- B. Operating hours 420; alert OFF
- C. Operating hours 480; alert OFF
- D. Operating hours 310; alert OFF

32. A fictional procedure has these steps: 1 check, 2 mark, 3 notify, 4 archive. Rules: step 1 must occur before step 2; step 2 must occur before step 4; step 3 must occur before step 4; step 2 must occur before step 3. Which sequence is valid?

- A. 2-1-3-4
- B. 1-3-2-4
- C. 1-2-3-4
- D. 1-2-4-3

33. On a coordinate grid, east increases x and north increases y. Starting at (3, 7), move 5 units west, then 2 units south, then 2 units east. At what coordinate do you finish?

- A. (1, 5)
- B. (0, 5)
- C. (0, 6)
- D. (-1, 4)

34. A set of 60 inspection points is divided evenly among 4 teams. How many points does each team receive?

- A. 56
- B. 64
- C. 19
- D. 15

35. Imagine an arrow initially pointing west. Rotate the arrow 90 degrees clockwise without flipping it. Which direction does it point afterward?

- A. East.
- B. South.
- C. North.
- D. West.

36. A rider asks whether a delayed train will arrive in exactly four minutes, but only an estimated arrival is available. Which response is best?

- A. Give the available estimate as an estimate and avoid promising an exact arrival time.
- B. Promise that the train will arrive in exactly four minutes.
- C. State a shorter time to make the rider feel better.
- D. Refuse to give any information because the estimate is not exact.

37. Bulletin: 'Radio checks are performed every 30 minutes beginning at 7:00 a.m. The 8:00 a.m. check is omitted today. All other checks remain scheduled.' Which check is omitted?

- A. The 7:00 a.m. radio check.
- B. The 7:30 a.m. radio check.
- C. The 8:00 a.m. radio check.
- D. Every check after 8:00 a.m.

38. Which sentence is the clearest and most appropriate way to report that the radio transmission became unreadable for about eight seconds at 3:22 p.m.?

- A. At 3:22 p.m., the radio transmission became unreadable for approximately eight seconds.
- B. The radio sounded terrible for a little while.
- C. At 3:22 p.m., the radio definitely failed because its battery was weak.

D. Radio unreadable around 3:22 and it was kind of a problem.

39. Which observation most strongly suggests a door-area problem?

- A. A passenger is seated near the center of the car.
- B. A strap is caught between the closing door edges.
- C. A route map has a small wrinkle.
- D. A window has a fingerprint near one corner.

40. Use these fictional rules only: a file is ARCHIVED when it is at least 12 months old and its status is CLOSED. Which file is ARCHIVED?

- A. Age 11 months; status CLOSED
- B. Age 14 months; status OPEN
- C. Age 8 months; status OPEN
- D. Age 12 months; status CLOSED

41. A fictional procedure has these steps: 1 assess, 2 contact, 3 record, 4 review. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-3-2-4
- C. 1-2-3-4
- D. 1-2-4-3

42. On a coordinate grid, east increases x and north increases y. Starting at (6, 3), move 2 units east, then 4 units north, then 3 units west. At what coordinate do you finish?

- A. (5, 7)
- B. (6, 7)

- C. (5, 8)
- D. (4, 6)

43. Each of 5 equal route segments is 18 units long. What is the combined length?

- A. 23
- B. 90
- C. 72
- D. 108

44. Imagine an arrow initially pointing north. Rotate the arrow 180 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. East.
- C. South.
- D. West.

45. A passenger says a station announcement was difficult to hear and asks what it said. Which response is best?

- A. Tell the passenger that announcements are always clear enough.
- B. Guess what the announcement probably said based on the usual schedule.
- C. Tell the passenger to ask another rider instead.
- D. Repeat the confirmed message clearly and, if needed, point to the matching posted or electronic information.

46. Notice: 'Forms may be submitted electronically until 4:00 p.m. After 4:00 p.m., completed forms must be placed in Drop Box B. Drop Box A is for supply requests only.' Where should a completed form go at 4:25 p.m.?

- A. Drop Box A.
- B. Drop Box B.
- C. The electronic portal only.
- D. Either drop box.

47. Which sentence is the clearest and most appropriate way to report that the scheduled equipment check was moved from 10:00 a.m. to 10:25 a.m.?

- A. The equipment check got pushed back a bit.
- B. The check was moved because the scheduler forgot about it.
- C. The scheduled equipment check, it moved from 10:00 to 10:25.
- D. The scheduled equipment check was moved from 10:00 a.m. to 10:25 a.m.

48. Which observation most clearly suggests a developing mechanical issue?

- A. A new vibration repeats at the same operating condition.
- B. Passenger volume increases during the evening rush.
- C. A station announcement is repeated twice.
- D. The exterior temperature drops several degrees.

49. Use these fictional rules only: Track 4 is assigned to a northbound train whose identifier is even. Which train is assigned to Track 4?

- A. Northbound; identifier 28
- B. Northbound; identifier 27
- C. Southbound; identifier 28
- D. Southbound; identifier 31

50. A fictional procedure has these steps: 1 identify, 2 isolate, 3 report, 4 document. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-2-3-4
- C. 1-3-2-4
- D. 1-2-4-3

51. On a coordinate grid, east increases x and north increases y . Starting at $(9, 8)$, move 3 units west, then 1 units south, then 1 units east. At what coordinate do you finish?

- A. $(8, 7)$
- B. $(7, 8)$
- C. $(7, 7)$
- D. $(6, 6)$

52. A train passes marker 150 and later marker 198. How many marker units did it travel?

- A. 38
- B. 58
- C. 348
- D. 48

53. Imagine an arrow initially pointing east. Rotate the arrow 270 degrees clockwise without flipping it. Which direction does it point afterward?

- A. East.
- B. North.
- C. South.
- D. West.

54. A rider asks for the accessible route to an exit, and you know the elevator serving the usual path is temporarily unavailable. Which response is best?

- A. Explain the outage and provide the verified accessible alternative route or direct the rider to the current accessibility information.
- B. Send the rider toward the unavailable elevator because it is the normal route.
- C. Say there is no accessible route without checking any current alternative.
- D. Tell the rider to use stairs because they are faster.

55. Bulletin: 'The 2:20 p.m. briefing remains in Room 4, but its start time has changed to 2:45 p.m. The 3:15 p.m. briefing is unchanged.' What changed?

- A. The room of the 2:20 p.m. briefing.
- B. The start time of the 3:15 p.m. briefing.
- C. The start time of the 2:20 p.m. briefing.
- D. Both briefings were canceled.

56. Which sentence is the clearest and most appropriate way to report that two passengers exited at Harbor Station before one passenger boarded.?

- A. Some people got off and then somebody got on at Harbor.
- B. Two passengers exited at Harbor Station because they were in a hurry, then one boarded.
- C. Harbor Station two out one in before doors and everything was fine.
- D. At Harbor Station, two passengers exited before one passenger boarded.

57. Which condition most strongly indicates a walking-surface hazard?

- A. A nearby wall tile is a slightly different shade.
- B. A floor panel in the walkway has lifted above the surrounding surface.
- C. A posted notice uses an older typeface.
- D. A ceiling light is brighter than the one beside it.

58. Use these fictional rules only: entry to Zone M requires a valid permit and a Zone M assignment. Which employee may enter?

- A. Permit expired; assigned Zone M
- B. Permit valid; assigned Zone N
- C. Permit expired; assigned Zone N
- D. Permit valid; assigned Zone M

59. A fictional procedure has these steps: 1 read, 2 compare, 3 select, 4 record. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 1-2-3-4
- B. 2-1-3-4
- C. 1-3-2-4
- D. 1-2-4-3

60. On a coordinate grid, east increases x and north increases y . Starting at $(4, 4)$, move 4 units east, then 3 units north, then 2 units west. At what coordinate do you finish?

- A. $(7, 7)$
- B. $(6, 8)$
- C. $(6, 7)$
- D. $(5, 6)$

61. A train completes 5 trips with 9 scheduled stops on each trip. How many scheduled stops are counted in all?

- A. 14
- B. 45
- C. 36
- D. 50

62. Imagine an arrow initially pointing south. Rotate the arrow 90 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. East.
- C. West.
- D. South.

63. A passenger asks a question you do not understand because the request is unclear. Which response is best?

- A. Politely ask a brief clarifying question so you can determine what information the passenger needs.
- B. Choose an answer at random to keep the interaction short.
- C. Tell the passenger to leave and return with a clearer question.
- D. Pretend to understand and give directions to the nearest exit.

64. Notice: 'During the test period, only employees with a green authorization card may enter Zone M. A yellow card permits entry to Zone N only. The test period ends at 11:00 a.m.' Who may enter Zone M at 10:30 a.m.?

- A. An employee with only a yellow authorization card.
- B. Any employee before 11:00 a.m.
- C. No employee during the test period.
- D. An employee with a green authorization card.

65. Which sentence is the clearest and most appropriate way to report that a supervisor requested a repeat inspection after a gauge reading changed unexpectedly.?

- A. After the gauge reading changed unexpectedly, the supervisor requested a repeat inspection.
- B. The supervisor made us inspect it again because the gauge was bad.
- C. The gauge changed, the supervisor requested another inspection.
- D. The supervisor knew the equipment was defective and ordered another inspection.

66. Which observation most strongly suggests that a problem is worsening over time?

- A. The same normal chime sounds at every station.
- B. An abnormal sound becomes louder and occurs more often on successive checks.
- C. A clean copy replaces a worn paper notice.
- D. Passenger volume rises during the usual rush period.

67. Use these fictional rules only: a report is URGENT when its category is SAFETY and the issue remains unresolved. Which report is URGENT?

- A. Category SAFETY; resolved
- B. Category SERVICE; unresolved
- C. Category SAFETY; unresolved
- D. Category SERVICE; resolved

68. A fictional procedure has these steps: 1 open, 2 inspect, 3 sign, 4 return. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-3-2-4
- C. 1-2-4-3
- D. 1-2-3-4

69. On a coordinate grid, east increases x and north increases y. Starting at (7, 9), move 5 units west, then 5 units south, then 3 units east. At what coordinate do you finish?

- A. (6, 4)
- B. (5, 5)
- C. (5, 4)
- D. (4, 3)

70. A log contains 124 entries. If 45 have already been reviewed, how many remain?

- A. 45
- B. 169
- C. 89
- D. 79

71. Imagine an arrow initially pointing west. Rotate the arrow 180 degrees clockwise without flipping it. Which direction does it point afterward?

- A. East.
- B. North.
- C. South.
- D. West.

72. A rider reports leaving an item on a train and asks whether it has already been found, but you cannot confirm that. Which response is best?

- A. Assure the rider that the item was probably found and will be returned.
- B. Explain what is known, avoid claiming the item was found, and direct the rider to the proper lost-property process.
- C. Say nothing can be done and end the conversation immediately.
- D. Tell the rider to search restricted areas personally.

73. Bulletin: 'Car 7 is available immediately. Car 8 requires a brake check before use. Car 9 is unavailable for the entire shift.' Which car is unavailable for the entire shift?

- A. Car 9.
- B. Car 7.
- C. Car 8.
- D. Both Cars 7 and 8.

74. Which sentence is the clearest and most appropriate way to report that a lost item was found under a seat at 5:31 p.m. and reported to the designated desk.?

- A. Some lost thing was under a seat, so the desk was told.
- B. At 5:31 p.m., a lost item found under a seat was reported to the designated desk.
- C. At 5:31 p.m., a suspicious item was intentionally left under a seat and reported.
- D. Lost item under seat 5:31, desk notified, probably abandoned on purpose.

75. Which condition most clearly signals inconsistent operational information?

- A. Two clocks show the same minute.
- B. A checklist and log both show the same status.
- C. A routing card directs east while the displayed route indicator directs west.
- D. Two signs use different font sizes but identical wording.

76. Use these fictional rules only: a train is READY when the checklist is complete and release status is YES. Which train is READY?

- A. Checklist complete; release NO
- B. Checklist incomplete; release YES
- C. Checklist incomplete; release NO
- D. Checklist complete; release YES

77. A fictional procedure has these steps: 1 verify, 2 authorize, 3 move, 4 log. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 1-2-3-4
- B. 2-1-3-4
- C. 1-3-2-4
- D. 1-2-4-3

78. On a coordinate grid, east increases x and north increases y. Starting at (2, 5), move 2 units east, then 2 units north, then 1 units west. At what coordinate do you finish?

- A. (4, 7)
- B. (3, 8)
- C. (3, 7)
- D. (2, 6)

79. A set of 80 inspection points is divided evenly among 4 teams. How many points does each team receive?

- A. 76
- B. 20
- C. 84
- D. 24

80. Imagine an arrow initially pointing north. Rotate the arrow 270 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. East.
- C. South.
- D. West.

81. A passenger is confused because two old signs appear inconsistent with a newly posted service notice. Which response is best?

- A. Choose whichever old sign is closer to the passenger.
- B. Say all posted information must be equally current.
- C. Tell the passenger to decide which sign seems more believable.
- D. Explain the current verified notice and identify which older information it replaces.

82. Notice: 'A temporary boarding change applies only to southbound trains from 1:00 p.m. to 3:00 p.m. Northbound boarding remains normal.' Which service is unaffected by the temporary change?

- A. Northbound boarding.
- B. Southbound boarding from 1:00 p.m. to 3:00 p.m.
- C. All boarding from 1:00 p.m. to 3:00 p.m.
- D. Southbound boarding only before 1:00 p.m. and after 3:00 p.m.

83. Which sentence is the clearest and most appropriate way to report that the cab temperature indicator rose from 72 degrees to 80 degrees in four minutes.?

- A. The cab suddenly got way too hot.
- B. The cab temperature indicator rose from 72 degrees to 80 degrees in four minutes.
- C. The indicator rose eight degrees, proving the cooling system had failed.
- D. The cab temperature indicator it went up from 72 to 80 degrees in four minutes.

84. Which observation most strongly suggests a possible overheating issue?

- A. A window feels cool to the touch.
- B. A paper timetable is warm from sunlight.
- C. A new burning odor is noticed near operating electrical equipment.
- D. A passenger is carrying hot coffee with a lid.

85. Use these fictional rules only: a notice must be reread if it was revised today or if its revision number is greater than 6. Which notice must be reread?

- A. Revision 6; revised today NO
- B. Revision 5; revised today NO
- C. Revision 4; revised today YES
- D. Revision 3; revised today NO

86. A fictional procedure has these steps: 1 collect, 2 count, 3 reconcile, 4 submit. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-2-3-4
- C. 1-3-2-4
- D. 1-2-4-3

87. On a coordinate grid, east increases x and north increases y . Starting at $(5, 1)$, move 3 units west, then 4 units south, then 2 units east. At what coordinate do you finish?

- A. $(5, -3)$
- B. $(4, -2)$
- C. $(3, -4)$
- D. $(4, -3)$

88. Each of 4 equal route segments is 18 units long. What is the combined length?

- A. 72
- B. 22
- C. 54
- D. 90

89. Imagine an arrow initially pointing east. Rotate the arrow 90 degrees clockwise without flipping it. Which direction does it point afterward?

- A. North.
- B. East.
- C. South.
- D. West.

90. A passenger becomes frustrated after missing a transfer and asks for the next available option. Which response is best?

- A. Criticize the passenger for missing the transfer.
- B. Remain calm, identify the next verified travel option, and explain the steps clearly.
- C. Give a route you have not verified so the passenger leaves quickly.
- D. Refuse assistance because the missed transfer already occurred.

91. Bulletin: 'A report is considered complete only when it includes the event time, exact location, and action taken. A witness name is optional.' Which item is optional?

- A. The event time.
- B. The exact location.
- C. The action taken.
- D. A witness name.

92. Which sentence is the clearest and most appropriate way to report that a passenger asked for directions to the accessible exit at 12:44 p.m.?

- A. At 12:44, a confused passenger wanted to know where to go.
- B. A passenger asked about the accessible exit because the signs were obviously bad.
- C. Passenger needed accessible exit directions 12:44 and seemed lost.
- D. At 12:44 p.m., a passenger asked for directions to the accessible exit.

93. Which condition most clearly indicates that a routine check did not produce the expected state?

- A. The status display remains on HOLD after the completed release sequence.
- B. The seat fabric shows normal wear.
- C. The station clock advances one minute.
- D. A passenger changes seats before departure.

94. Use these fictional rules only: a train qualifies for SHORT consist status when it has no more than 8 cars and its route code is not R. Which train qualifies?

- A. 9 cars; route code Q
- B. 7 cars; route code R
- C. 8 cars; route code Q
- D. 10 cars; route code R

95. A fictional procedure has these steps: 1 review, 2 correct, 3 approve, 4 distribute. Rules: step 1 must occur before step 2; step 2 must occur before step 3; step 3 must occur before step 4. Which sequence is valid?

- A. 2-1-3-4
- B. 1-2-3-4
- C. 1-3-2-4
- D. 1-2-4-3

96. On a coordinate grid, east increases x and north increases y. Starting at (8, 6), move 4 units east, then 1 units north, then 3 units west. At what coordinate do you finish?

- A. (9, 7)
- B. (10, 7)
- C. (9, 8)
- D. (8, 6)

97. A train passes marker 185 and later marker 243. How many marker units did it travel?

- A. 58
- B. 48
- C. 68
- D. 428

98. Imagine an arrow initially pointing south. Rotate the arrow 180 degrees clockwise without flipping it. Which direction does it point afterward?

- A. East.
- B. South.
- C. North.
- D. West.

99. A rider asks for a complex transfer sequence and begins writing it down. Which response is best?

- A. Speak as quickly as possible so the full route is delivered at once.
- B. Give the directions in short ordered steps and pause as needed so the rider can confirm each part.
- C. Use unexplained technical abbreviations to shorten the directions.
- D. Change the route midway to make the conversation more interesting.

100. Notice: 'The west stairway will reopen at 6:00 p.m. Until then, use the center stairway. The east stairway remains closed all evening.' Which stairway should be used at 5:40 p.m.?

- A. The west stairway.
- B. The east stairway.
- C. Either the west or east stairway.
- D. The center stairway.

Practice Exam 10: Answer Key and Explanations

1. D — The bulletin says badge check ends at 6:10 a.m. and specifically directs employees arriving later to report to the supervisor before entering. An arrival at 6:14 a.m. falls after that cutoff, so the supervisor-reporting requirement applies. The passage controls the answer, so outside assumptions about transit practice should not be added.

2. C — The keyed sentence reports the exact time, observable indicator condition, and action that preceded it. It does not diagnose a broken door or assign a cause. The alternatives are vague or speculative and would make a formal record less reliable. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis.

- 3. A** — A required indicator that remains inconsistent after the normal reset check is a persistent abnormal condition directly related to equipment status. The other observations are minor or ordinary and do not show comparable interference with normal operation. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.
- 4. B** — Both conditions are mandatory: ACTIVE status and severity of at least 3. Only the keyed case satisfies both simultaneously. The other choices have insufficient severity, HOLD status, or both, so they do not meet the fictional PRIORITY definition. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.
- 5. B** — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.
- 6. A** — Start at (2, 1) and apply the three moves in order. The horizontal and vertical changes lead to (2, 2), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.
- 7. C** — Subtract the earlier marker from the later marker: 153 minus 115 equals 38 marker units. The keyed option matches that difference; the other values come from incorrect subtraction or adding the marker readings instead. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.
- 8. D** — The arrow starts pointing north and turns 90 degrees clockwise. Counting quarter-turns places it pointing east, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.
- 9. A** — The keyed response is helpful while acknowledging that the current platform is uncertain and needs verification. It avoids giving a confident guess that could send the passenger in the wrong direction and does not dismiss a reasonable service question. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.
- 10. C** — The notice closes only Track 1 between Markers 44 and 50 and expressly says Track 2 remains open. It also limits the closure geographically and by time, so the broader statements about both tracks or areas beyond Marker 50 are unsupported. The passage controls the answer, so outside assumptions about transit practice should not be added.
- 11. D** — The keyed sentence attributes the statement to the passenger, gives the time and location, and avoids converting a complaint into a technical diagnosis. The alternatives exaggerate, assign an unconfirmed cause, or use informal wording. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis. This preserves clarity.

12. B — An object protruding into the track area can physically interfere with movement and therefore represents the clearest operational concern. The other observations are cosmetic or routine and do not indicate the same immediate interference. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.

13. B — The movement rule requires both YES authorization and a blocking code of 0. Only the keyed option has that exact combination. Every distractor fails the authorization requirement, the blocking-code requirement, or both, so none is permitted under the stated rule. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

14. C — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

15. A — Start at (5, 6) and apply the three moves in order. The horizontal and vertical changes lead to (5, 3), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

16. D — Multiply the 10 stops on each trip by 4 trips. The product is 40 scheduled stops, which is the keyed answer. Adding the two quantities or using only part of the multiplication produces the distractors. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

17. C — The arrow starts pointing east and turns 180 degrees clockwise. Counting quarter-turns places it pointing west, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

18. B — The keyed response recognizes the rider's concern and gives only confirmed information while offering a practical next step. Arguing, ignoring the rider, or promising an unconfirmed exact time can increase frustration or spread inaccurate information. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

19. A — The bulletin draws the dividing line at noon: departures before noon use the old schedule, while departures at or after noon use the revised schedule. A 12:05 p.m. departure is after noon, so the revised schedule applies. The passage controls the answer, so outside assumptions about transit practice should not be added.

20. D — The keyed sentence gives both events and their exact times in a complete, neutral sentence. It avoids vague timing, a comma splice, and an unsupported conclusion about another shift. Those qualities make the sequence clear for later review. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis.

21. B — Repeated messages with missing words show a continuing failure to receive complete communication. The other conditions do not demonstrate that the radio channel itself is carrying information unreliably. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy. The task is to notice the meaningful abnormality, not to diagnose its exact cause.

22. C — A LIMITED route must satisfy two requirements: at most four stops and inclusion of Terminal T. The keyed route meets both. One distractor has too many stops, another omits Terminal T, and the last fails both requirements. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

23. A — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

24. D — Start at (8, 2) and apply the three moves in order. The horizontal and vertical changes lead to (11, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

25. C — The remaining entries equal the total minus those already reviewed: 104 minus 35 equals 69. The keyed option gives that remainder; the alternatives confuse the reviewed count, addition, or a shifted difference. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question. This preserves clarity.

26. A — The arrow starts pointing south and turns 270 degrees clockwise. Counting quarter-turns places it pointing east, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

27. D — The keyed response makes the information easier to understand without being disrespectful or abandoning the passenger. Volume alone does not simplify language, and sending the rider away or refusing assistance does not address the travel need. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

28. B — The notice distinguishes general access from delivery access. Although the south and elevator entrances remain open, deliveries are expressly limited to the south entrance. Therefore the broader options that permit the elevator or any open entrance do not follow the notice. The passage controls the answer, so outside assumptions about transit practice should not be added.

29. D — The keyed sentence records the time, observed condition, location, and notification without claiming what caused the water. The alternatives are vague or convert an observation into an unsupported diagnosis or accusation. Operational writing should identify observable facts, timing,

location, and actions without blame or unsupported diagnosis. This preserves clarity. This supports accurate review.

30. B — Water beside energized control equipment creates a direct interaction between moisture and electrical equipment, making it the strongest concern listed. The alternatives are housekeeping or appearance issues without the same immediate operational significance. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.

31. A — The fictional rule uses OR: either 500 or more operating hours, or an ON alert flag, is enough to make the inspection due. The keyed unit qualifies because its alert is ON even though its hours are below 500. Every distractor has fewer than 500 hours and an OFF alert.

32. C — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

33. B — Start at (3, 7) and apply the three moves in order. The horizontal and vertical changes lead to (0, 5), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

34. D — Equal division means the 60 inspection points are split into 4 same-size groups. Dividing 60 by 4 gives 15 points per team. The other choices use subtraction, addition, or an incorrect quotient. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question. This preserves clarity.

35. C — The arrow starts pointing west and turns 90 degrees clockwise. Counting quarter-turns places it pointing north, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

36. A — The keyed response communicates useful information while clearly preserving its estimated status. An estimate should not be presented as a guarantee. Refusing all information is unnecessarily unhelpful, while inventing a shorter or exact time can mislead the passenger. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

37. C — The bulletin names one exception to the regular 30-minute schedule: the 8:00 a.m. check is omitted today. It also says all other checks remain scheduled, so neither an earlier check nor every later check is canceled. The passage controls the answer, so outside assumptions about transit practice should not be added.

38. A — The keyed sentence gives a specific time, symptom, and approximate duration while remaining neutral about the cause. The other choices are vague, informal, or state a battery failure that the observation does not establish. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis. This preserves clarity.

39. B — A strap caught between door edges is directly in the closing path and can interfere with normal door movement. The other observations are unrelated to whether the doorway can close normally. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy. This preserves clarity.

40. D — Archiving requires both conditions: an age of at least 12 months and CLOSED status. The keyed file is exactly 12 months old and closed, so it qualifies. The alternatives are too new, still open, or fail both conditions. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

41. C — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

42. A — Start at (6, 3) and apply the three moves in order. The horizontal and vertical changes lead to (5, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

43. B — Multiply the 18-unit length of one segment by the 5 equal segments. The product is 90 units, which matches the keyed option. The distractors result from adding instead of multiplying or counting one segment too few or too many. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

44. C — The arrow starts pointing north and turns 180 degrees clockwise. Counting quarter-turns places it pointing south, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

45. D — The keyed response directly addresses the passenger's need with confirmed information and a second reliable reference if useful. Dismissing the concern, guessing, or shifting responsibility to another passenger can leave the rider with inaccurate or incomplete guidance. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

46. B — The notice changes the submission method after 4:00 p.m. At 4:25 p.m., completed forms must be placed in Drop Box B. Drop Box A is reserved for supply requests, and electronic submission is no longer the stated method after the cutoff. The passage controls the answer, so outside assumptions about transit practice should not be added.

47. D — The keyed sentence identifies the original and revised times precisely and does not assign an unverified reason. The alternatives are vague, speculative, or grammatically awkward, so they communicate the scheduling change less clearly. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis. This preserves clarity.

48. A — A new vibration that repeats under the same operating condition is a consistent equipment-related symptom and therefore deserves attention. The other changes are expected environmental or service conditions rather than recurring mechanical signs. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.

49. A — The Track 4 rule requires a northbound direction and an even identifier. The keyed train satisfies both because it is northbound and 28 is even. The alternatives have an odd identifier, the wrong direction, or both. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

50. B — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

51. C — Start at (9, 8) and apply the three moves in order. The horizontal and vertical changes lead to (7, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

52. D — Subtract the earlier marker from the later marker: 198 minus 150 equals 48 marker units. The keyed option matches that difference; the other values come from incorrect subtraction or adding the marker readings instead. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

53. B — The arrow starts pointing east and turns 270 degrees clockwise. Counting quarter-turns places it pointing north, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

54. A — The keyed response gives relevant accessibility information and either provides or verifies an alternative rather than sending the rider toward a known outage. The other choices ignore the rider's stated access need, assume no alternative exists, or recommend an unsuitable route. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

55. C — The bulletin states that the 2:20 p.m. briefing keeps the same room but moves to a 2:45 p.m. start. It separately says the 3:15 p.m. briefing is unchanged. Therefore only the earlier briefing's start time changed. The passage controls the answer, so outside assumptions about transit practice should not be added.

56. D — The keyed sentence gives the location, counts, and sequence in clear factual language. It avoids slang, assumptions about passenger motives, and unnecessary commentary. The distractors either lose precision or add information that was not observed. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis.

57. B — A raised panel creates a direct trip or footing hazard in the walking path. The other observations are visual differences that do not create the same immediate interference with safe movement. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy. This preserves clarity.

58. D — Zone M entry requires two simultaneous facts: a valid permit and assignment to Zone M. Only the keyed employee has both. The other choices lack a valid permit, the correct zone assignment, or both, so they do not qualify under the fictional rule. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

59. A — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

60. C — Start at (4, 4) and apply the three moves in order. The horizontal and vertical changes lead to (6, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

61. B — Multiply the 9 stops on each trip by 5 trips. The product is 45 scheduled stops, which is the keyed answer. Adding the two quantities or using only part of the multiplication produces the distractors. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

62. C — The arrow starts pointing south and turns 90 degrees clockwise. Counting quarter-turns places it pointing west, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

63. A — The keyed response prevents misunderstanding by clarifying the passenger's actual need before giving information. Guessing or pretending to understand can produce wrong directions, while dismissing the passenger is unnecessarily discourteous and does not solve the communication problem. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

64. D — At 10:30 a.m. the test period is still in effect, and the notice limits Zone M entry to employees holding a green authorization card. A yellow card applies only to Zone N, while the notice does not ban all entry. The passage controls the answer, so outside assumptions about transit practice should not be added.

65. A — The keyed sentence links the observed change to the requested action without diagnosing the equipment. It is grammatically complete and neutral. The alternatives use judgmental wording, a comma splice, or an unsupported conclusion about a defect. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis.

66. B — Increasing loudness and frequency show a measurable negative trend in the same abnormal symptom. The other observations describe normal repetition, routine replacement, or expected passenger patterns rather than worsening equipment behavior. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy. This preserves clarity.

67. C — The URGENT definition requires both a SAFETY category and an unresolved issue. Only the keyed report satisfies both. A resolved safety issue and unresolved service issue each fail one requirement, while the last distractor fails both. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

68. D — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

69. C — Start at (7, 9) and apply the three moves in order. The horizontal and vertical changes lead to (5, 4), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

70. D — The remaining entries equal the total minus those already reviewed: 124 minus 45 equals 79. The keyed option gives that remainder; the alternatives confuse the reviewed count, addition, or a shifted difference. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question. This preserves clarity.

71. A — The arrow starts pointing west and turns 180 degrees clockwise. Counting quarter-turns places it pointing east, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

72. B — The keyed response is accurate about the uncertainty and still gives the passenger a useful next step through the proper lost-property process. Promising recovery without evidence, ending the interaction, or directing the rider into restricted areas is inappropriate. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

73. A — The bulletin assigns three different statuses. Car 7 is immediately available, Car 8 is conditionally available after a brake check, and Car 9 is unavailable for the entire shift. Only Car 9 matches the question's full-shift condition. The passage controls the answer, so outside assumptions about transit practice should not be added.

74. B — The keyed sentence provides time, location, and reporting action without describing the item as suspicious or claiming intent. The alternatives are vague, speculative, or informal, which can distort the factual record. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis. This preserves clarity. This supports accurate review.

75. C — The routing card and display give opposite directions, creating a direct conflict that must be recognized before relying on either source. The other choices show agreement or harmless formatting differences. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy. This preserves clarity.

76. D — READY status depends on two required conditions: a completed checklist and a YES release. The keyed train meets both. The distractors have no release, an incomplete checklist, or both deficiencies, so the stated rule does not classify them as ready. The rule in the stem is sufficient, so every stated condition must be applied exactly as written.

77. A — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

78. C — Start at (2, 5) and apply the three moves in order. The horizontal and vertical changes lead to (3, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

79. B — Equal division means the 80 inspection points are split into 4 same-size groups. Dividing 80 by 4 gives 20 points per team. The other choices use subtraction, addition, or an incorrect quotient. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question. This preserves clarity.

80. D — The arrow starts pointing north and turns 270 degrees clockwise. Counting quarter-turns places it pointing west, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

81. D — The keyed response resolves the conflict by relying on the current verified notice and explaining which information has been superseded. The alternatives leave the passenger to guess or incorrectly treat conflicting old and new information as equally authoritative. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

82. A — The notice says the temporary boarding change applies only to southbound trains and explicitly states that northbound boarding remains normal. That makes northbound boarding the unaffected service during the stated window. The passage controls the answer, so outside assumptions about transit practice should not be added. Careful reading separates what is explicitly supported from an option that merely sounds reasonable.

83. B — The keyed sentence reports the measured change and time interval precisely. It avoids an emotional description and does not diagnose a cooling-system failure. The last alternative repeats the subject unnecessarily and is less polished for formal reporting. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis.

84. C — A new burning odor near operating electrical equipment is an abnormal sensory cue that may indicate overheating or another equipment problem. The other observations have ordinary explanations and are not comparable equipment warnings. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.

85. C — The reread rule uses OR. A notice qualifies if either it was revised today or its revision number exceeds 6. The keyed notice qualifies because it was revised today. The three distractors were not revised today and have revision numbers no greater than 6. No outside transit procedure is needed because the controlling rule is supplied in the question.

86. B — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

87. D — Start at (5, 1) and apply the three moves in order. The horizontal and vertical changes lead to (4, -3), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

88. A — Multiply the 18-unit length of one segment by the 4 equal segments. The product is 72 units, which matches the keyed option. The distractors result from adding instead of multiplying or counting one segment too few or too many. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

89. C — The arrow starts pointing east and turns 90 degrees clockwise. Counting quarter-turns places it pointing south, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

90. B — The keyed response focuses on solving the passenger's current travel problem with calm, verified guidance. Blame does not help, unverified routing can create another problem, and refusing assistance leaves the rider without a practical next step. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

91. D — The bulletin lists event time, exact location, and action taken as required elements of a complete report. It then separately identifies a witness name as optional. Therefore the witness name is the only item that may be omitted without violating the stated completeness rule. The passage controls the answer, so outside assumptions about transit practice should not be added.

92. D — The keyed sentence states the time and request directly while avoiding judgments about the passenger or station signs. The alternatives add assumptions, use informal phrasing, or omit a complete neutral sentence structure. Operational writing should identify observable facts, timing, location, and actions without blame or unsupported diagnosis. This preserves clarity.

93. A — A status display that remains on HOLD after the full release sequence does not match the expected result of the check. The other observations are normal conditions unrelated to the system state. Problem sensitivity means recognizing the condition most likely to interfere with safe, normal operation before choosing a remedy.

94. C — SHORT consist status requires no more than eight cars and a route code other than R. The keyed train has eight cars and code Q, so it meets both conditions. The alternatives exceed the car limit, use route code R, or fail both requirements. No outside transit procedure is needed because the controlling rule is supplied in the question.

95. B — The keyed order satisfies every before-and-after dependency stated in the procedure. Testing the alternatives against the same pairwise requirements shows that each one moves at least one dependent step ahead of its prerequisite. The correct sequence preserves every stated prerequisite before the action that depends on it. This preserves clarity.

96. A — Start at (8, 6) and apply the three moves in order. The horizontal and vertical changes lead to (9, 7), which matches the keyed option. Reversing a direction or omitting one move produces the nearby distractors. Track each east-west change on the horizontal coordinate and each north-south change on the vertical coordinate.

97. A — Subtract the earlier marker from the later marker: 243 minus 185 equals 58 marker units. The keyed option matches that difference; the other values come from incorrect subtraction or adding the marker readings instead. The arithmetic uses only the quantities supplied in the stem and the operation implied by the question.

98. C — The arrow starts pointing south and turns 180 degrees clockwise. Counting quarter-turns places it pointing north, the keyed choice. Because the figure is rotated rather than reflected, its orientation changes according to the turn while its shape remains unchanged. Visualization requires mentally rotating the object while preserving its internal relationships; a rotation is not a mirror reflection.

99. B — The keyed response organizes the information into manageable steps and gives the rider a chance to confirm the sequence. Rushing, using unexplained jargon, or changing the route unnecessarily makes accurate travel information harder to follow. The strongest response is accurate, calm, respectful, and useful without presenting uncertain information as a confirmed fact.

100. D — At 5:40 p.m. the west stairway has not yet reached its 6:00 p.m. reopening time, and the east stairway remains closed all evening. The notice therefore directs people to use the center stairway until the west stairway reopens. The passage controls the answer, so outside assumptions about transit practice should not be added.