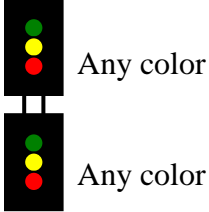


MARICOPA LIVE STEAMERS ENGINEER'S TEST

Revised 8/2010

Pick the best answer to the question based on the information available to all members in the Safety & Operating Rules for the Maricopa Live Steamers Railroad Heritage Preservation Society.

1. Who is ultimately responsible for the safe operation of the train? (215)
 - A. The engineer.
 - B. The conductor.
 - C. The stationmaster.
 - D. The Safety Committee.



2. The double signal on the right: (351)
 - A. Top board is for mainline and bottom board is for diverging route.
 - B. Top board is for diverging route and bottom board for mainline.
 - C. Indicates 3-track operation.
 - D. Is upside down.

3. All signal aspects on the Adobe Western Railroad: (351)
 - A. Tell the conductor how to run the train.
 - B. Are guidelines to the engineer as to when to proceed.
 - C. Are absolute and are to be treated accordingly.
 - D. Can be ignored if you think they are malfunctioning.

4. A hand, a flag, or a light swung violently at arm's length down to as low as possible and across the legs means: (314)
 - A. Washout / Emergency Stop.
 - B. Proceed.
 - C. Back-up.
 - D. Reduce speed.


5. Multiple short blasts on the whistle or horn - "oooooooo" - mean: (328,334)
 - A. Approaching station.
 - B. Flagman return to train.
 - C. Flagman protect the rear of train.
 - D. Warning to people or animals on the track. General alarm or emergency.

6. A "BLUE" signal, light, or flag indicates that the piece of equipment: (344)
 - A. Needs to be moved because it is blocking the area.
 - B. Must not be moved or coupled to.
 - C. Can only be removed by a member of the Safety Committee.
 - D. Must be inspected by the Safety Committee.

7. A hand, a flag, or a light raised or lowered vertically indicates: (311)
- Stop.
 - Proceed.
 - Back-up.
 - Reduce speed.
8. The signal on the right indicates: (342,353)
- Proceed on diverging track.
 - Clear to proceed at normal speed.
 - Proceed at reduced speed. Prepare to stop at the next signal.
 - Signal is about to turn red.
- 
- Yellow ON
9. All visiting engineers shall be given written and/or oral instructions on the track and signal systems and basic safety prior to operating on the railroad by: (513)
- Any certified engineer.
 - Any certified member.
 - The stationmaster.
 - Any Safety Committee member.
10. The final authority as to who may ride the train is the: (515)
- Safety Committee.
 - Stationmaster.
 - Conductor.
 - Engineer.
11. When a dispatcher is on duty, all trains in an un-signaled area: (535)
- Run slower due to waiting for clearance from the dispatcher.
 - Must have a conductor.
 - Must have radio contact with the dispatcher or be a second section to a train that has such radio contact.
 - May proceed without approval provided the engineer deems it safe.
12. The signal on the right indicates: (343,353)
- Stop and then proceed with caution.
 - Stop and request permission to proceed from the dispatcher.
 - The signal is malfunctioning and you can proceed at your own risk.
 - Stop and remain stopped until signal changes aspect or permission to pass is given.
- 
- Red - ON
13. Two long blasts on the whistle or horn followed by a short blast followed by a long blast - “> o >” - means: (327)
- Approaching station.
 - Flagman return to train.
 - Warning to people and animals on the track. General alarm or emergency.
 - Approaching public crossing, tunnel, area of restricted visibility, or another train.

14. All trains shall be operated by or under the direct supervision of: (531)
- A certified engineer.
 - Any regular member.
 - Any Safety Committee member.
 - None of the above.
15. Steam boiler test certificates shall be accepted as valid by the MLS if: (251)
- They have been issued within the past 12 months.
 - They have been issued by a recognized live steam organization.
 - Neither A or B because the engineer is ultimately responsible for the equipment's safety.
 - Both A and B.
16. The double signal on the right indicates: (353)
- Proceed after full stop.
 - Proceed on mainline.
 - Proceed on diverging route.
 - Proceed at reduced speed.
-
17. All mainline switches shall be left: (534)
- With the switch handle to the right.
 - In their normal, operating position.
 - In the same position as they are found.
 - So the next train will follow.
18. One short blast on the whistle or horn - "o" - means (321)
- Proceed. Answer to any signal not otherwise provided for.
 - Apply brakes. Stop.
 - Call for signals.
 - When standing, back-up.
19. During periods of limited visibility, trains shall have: (401)
- A white light showing to the front.
 - A red light showing to the rear.
 - Lights bright enough to permit the safe operation of the train.
 - All of the above.
20. A hand, a flag, or a light held horizontal with short up and down motions means: (312)
- Stop.
 - Proceed.
 - Back-up.
 - Reduce speed.
21. During public run times, engineers shall make radio contact with the dispatcher/stationmaster before entering the mainline. (516)
- True
 - False

22. Locomotives and other moving, powered equipment shall be equipped with: (225)
- A fire extinguisher.
 - An audible warning device loud enough to permit safe operation.
 - A first aid kit.
 - All of the above.
23. Engineers operating a train at night shall carry: (517)
- A fire extinguisher.
 - An appropriate set of emergency tools.
 - A working flashlight for personal safety.
 - All of the above.
24. Who can operate equipment in an unsafe manner? (205)
- Anyone as long as they are alone on the track.
 - A Safety Committee member to verify a safety issue.
 - No one shall operate equipment in an unsafe manner.
 - A visitor as long as it is his or her own equipment.
25. Two short blasts on the whistle or horn - "oo" - mean: (322,331)
- Proceed. Answer to any signal not otherwise provided for.
 - When running, stop at the next station.
 - When standing, back-up.
 - Call for signals.
26. The double signal on the right indicates: (353)
- Proceed on mainline after a full stop.
 - Proceed on mainline at normal speed.
 - Proceed on diverging route at normal speed.
 - Proceed on mainline at a reduced speed.
- The diagram shows two vertically stacked signal lights. The top light has a green lens and is labeled 'Green - ON'. The bottom light has a red lens and is labeled 'Red - ON'. Both lights have a white lens above the colored lens.
27. A hand, a flag, or a light swung at arm's length down to as low as possible or any object waved violently on or near the track means: (313)
- Stop.
 - Proceed.
 - Back-up.
 - Reduce speed.
28. Who may declare a piece of club equipment unsafe and affix a "Bad Order" card to the equipment? (413)
- Only Safety Committee members.
 - Only certified engineers.
 - Any regular member.
 - Any member of the public.

29. A hand, a flag, or a light swung vertically in circles clockwise or counterclockwise means: (315)
- Stop.
 - Proceed.
 - Back-up.
 - Reduce speed.
30. The signal on the right indicates: (353)
- If track clear, enter interlocking at reduced speed.
 - Prepare to stop short of possible obstructions.
 - Dispatcher not on duty.
 - All of the above.
- 
Red flashing
31. Three short blasts on the whistle or horn - “ooo” - mean: (323,332)
- Proceed. Answer to any signal not otherwise provided for.
 - Apply brakes. Stop.
 - Call for signals.
 - When standing, back-up.
32. Engineers may allow anyone to ride between themselves and the controls of their engine as long as their ability to control the train is not restricted. (514)
- True
 - False
33. When operating MLS equipment, a junior member shall: (520)
- Only operate in the daytime.
 - Not worry about signals.
 - Not exceed 5 miles per hour.
 - Be supervised by a certified, adult member.
34. The public shall receive: (633)
- A BoD approved safety briefing before leaving the station.
 - A button as a token of appreciation for riding the train.
 - A safe and comfortable ride.
 - All of the above.
35. To operate a public train, the minimum age for an engineer is: (650)
- 16.
 - 18.
 - 21.
 - No minimum as long as the engineer is certified.
36. The maximum speed when operating public trains is: (632)
- Determined by the engineer.
 - 5 miles per hour.
 - Determined by the stationmaster.
 - None of the above.

37. The conductor shall have available: (663)
- A. A whistle.
 - B. A light or red flag.
 - C. A radio.
 - D. All of the above.
38. How many public passengers may ride a depressed center bulkhead beam car? (634)
- A. As many as will fit on the car so long as the maximum gross weight is under 600 lbs.
 - B. As many as will fit on the car.
 - C. A maximum of 4 per car.
 - D. A maximum of 6 per car.
39. The conductor shall be responsible for: (662)
- A. Monitoring safe operating conditions.
 - B. Notifying the engineer when unsafe conditions arise.
 - C. Both A and B.
 - D. Neither A or B.
40. The stationmaster shall be responsible for: (670)
- A. Train movement in station areas.
 - B. Recording the number of public passengers each run.
 - C. The safe loading/unloading of passengers.
 - D. All of the above.
41. Pregnant women shall not be permitted to ride public trains. (640)
- A. True
 - B. False
42. Under normal circumstances, the public shall be loaded/unloaded only at: (637)
- A. Yard areas.
 - B. Designated station areas.
 - C. Engineer selected areas.
 - D. Stationmaster selected areas.
43. Certified engineers 13 through 17 years of age may: (518)
- A. Pull a public train as long as it is with their own certified equipment.
 - B. Not throw switches from their normal setting.
 - C. Operate a train on MLS mainline track during the time that a public train is operating on that track.
 - D. Operate a public train as long as they are supervised by a certified, adult member.
44. All riders on regular, public trains must be capable of walking to, boarding, and exiting riding cars under their own ability. (638)
- A. True
 - B. False

45. Trains carrying the public shall be operated only by: (631)
- A. Anyone approved by the stationmaster on duty.
 - B. A certified engineer with any regular member aboard.
 - C. A certified engineer with a certified conductor aboard.
 - D. Any regular members as long as they use their own certified equipment.
46. When carrying the public, riding cars shall: (620)
- A. Have seating installed so as to facilitate safety.
 - B. Have trucks that provide safe, stable operation.
 - C. Have bolsters that provide 3 or 4-point suspension.
 - D. All of the above.
47. How many public riding cars are allowed in a public train? (634)
- A. 7.
 - B. 21.
 - C. Unlimited.
 - D. Determined by the stationmaster.
48. Individuals who do not safely fit in or on riding cars are: (639)
- A. Provided an individual riding car for maximum safety.
 - B. Not to be carried as public passengers.
 - C. Asked to leave the train park.
 - D. Embarrassed and harassed.
49. The public shall ride in/on: (610)
- A. MLS riding cars only.
 - B. Certified member equipment only.
 - C. Certified member equipment and MLS riding cars only.
 - D. None of the above.
50. Certified engineers under 13 years of age may: (519)
- A. Pull a public train as long as it is with their own certified equipment.
 - B. Not throw switches from their normal setting.
 - C. Not operate a train on MLS mainline track during the time that a public train is operating on that track.
 - D. Operate a train on MLS mainline track during the time that a public train is operating on that track as long as they are supervised by a certified, adult member.