Southern California Foreman Selection Process
2021 Written Test Preparation Guide

Applicants are expected to be familiar with the content of and concepts embodied in the following rules and provisions. They are not, however, expected to memorize, verbatim, those rules or provisions, or to know the particular rule numbers, section numbers or subsection numbers cited below. Sample questions are provided at the end of this Guide.

Pacific Coast Marine Safety Code (PCMSC). Foremen are responsible for knowing and understanding all of the safety code rules appropriate for the areas and conditions where they may be assigned to work. In particular, foremen should know and be familiar with the following rules found in the Pacific Coast Marine Safety Code:

101	337	663	1411
102	339	701	1418
107	340	710	1419
209	343	804	1421
210	344	818	1422
220	352	901	1429
234	354	902	1430
236	361	907	1441
237	362	913	1443
238	363	914	1502
247	365	916	1504
248	401	920	1505
253	402	1009	1506
257	403	1011	1508
258	404	1047	1509
259	406	1049	1512
264	409	1050	1513
274	410	1051	1514
275	411	1052	1515
278	414	1053	1516
280	420	1060	1517
281	602	1136	1519
282	605	1153	1520
283	611	1154	1525
284	612	1156	1605
286	617	1163	1607
304	622	1170	1609
312	629	1172	1619
313	633	1173	1622
315	635	1174	1626
316	636	1208	1627
317	644	1216	1629
322	645	1222	1630
326	651	1230	1631
327	658	1233	1632
331	661	1238	1633
336	662	1239	Section 17

Pacific Coast Longshore Contract Document (PCLCD). Foremen are responsible for knowing and understanding the sections of the contract appropriate for the areas/locations where they may be assigned to work. In particular, applicants should know and be familiar with the following sections of the contract, as they may be updated from time to time:

1.21 through 1.28	3.132	10.21
1.41	3.133	10.22
1.42	3.135	10.23
2.21	3.1351	10.24
2.22	3.1352	10.25
2.23	3.137	10.26
2.231	3.141	10.32
2.24	3.142	10.33
2.25	3.143	11.31
2.26	3.144	11.41
2.32	3.145	11.42
2.43	3.21	11.421
2.431	3.22	11.431
2.432	3.221	11.432
2.442	3.2211	11.445
2.443	3.2212	11.446
2.4431	3.2213	11.453
2.4432	3.222	11.4531
2.4433	3.223	11.454
2.444	3.2231	11.455
2.4441	3.2232	11.456
2.445	3.2233	Section 13 (All incl.
2.446	3.231	Section 13.2
2.447	3.232	policies/procedures)
2.448	3.233	Section 14 (All)
2.449 through 2.7	3.31	16.12
3.131	10.2	Section 17 (All)

Job-Related Math/Mechanical Abilities. For the job to be safely performed, foremen are often required to quickly and accurately perform mathematical calculations using very basic addition, subtraction, multiplication, and division to determine amounts, weights, and distances. For this reason, applicants for the foreman position will be required to demonstrate proficiency in basic job-related math/mechanical abilities. All computations must be made by hand, and no calculators or other devices will be allowed during the test. Scrap paper will be provided during the test.

Both the PCMSC and the PCLCD are accessible on the PMA website at www.pmanet.org.

Foreman Process Written Test: Sample Questions

The following are *sample* questions of the type that may be asked to test applicants' knowledge of the PCLCD, PCMSC, basic mechanical principles, and basic math skills.

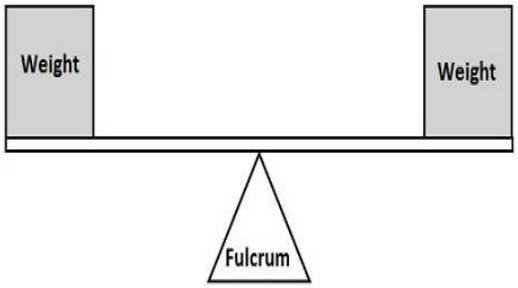
1. Longshore workers are using a floating crane and need additional time beyond the end of the regular shift to finish a heavy lifting operation. Can an extension be granted to the gang and/or workers involved, and if so, how long?
   A. No. No extension may be granted under this situation.
   B. Yes. An extension of up to two (2) hours shall be allowed.
   C. Yes. An extension of up to four (4) hours shall be allowed.
   D. Yes. An extension of up to six (6) hours shall be allowed.

2. The employer determines that no work can be performed during three (3) hours in the middle of a work shift because of a severe thunderstorm. The longshore workers who cannot work for these three (3) hours in the middle of their shift shall be paid how much for the three (3) hours of dead time?
   A. Nothing.
   B. Two (2) hours' pay.
   C. Three (3) hours' pay.
   D. Four (4) hours' pay.

3. Rail facilities are required to have a positive method to warn employees of train movement. The method of warning shall include:
   A. only an audio signal.
   B. only a visual signal.
   C. both an audio and visual signal.
   D. The rules do not specify the type of signal required.

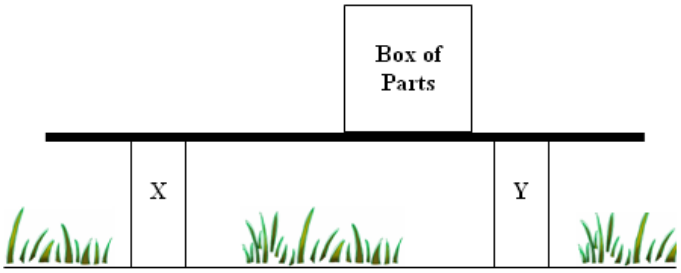
4. Which of the following are allowed on the job?
   A. AM/FM radios
   B. Cellular phones
   C. Lap-top computers
   D. None of the above are allowed on the job

5. The fulcrum in the figure below is the object on which the beam rests. Assume the weights on the beam are equal. What would happen to the two weighted boxes if the fulcrum were moved to the right?



A. The left side of the beam would move higher.
B. The right side of the beam would move higher.
C. The beam would remain level.
D. The beam's weight would increase.

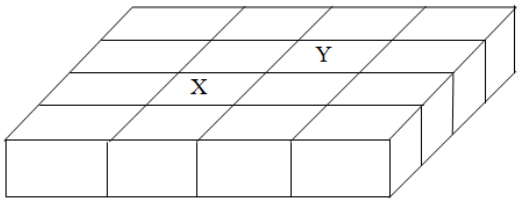
6. Two posts are holding up a box of metal parts on the board in the diagram below. Which post holds the greater part of the load?



A. Post X
B. Post Y
C. Both posts X and Y hold equal load.
D. This cannot be determined using only the information provided.

7. The containers in the diagram to the right are placed next to each other. How many containers would be left in the group if containers "X" and "Y" were removed?

A. 12
B. 14
C. 16
D. 18



8. You are in charge of a crane with a 25-ton lift capacity. You need to lift ten (10) beams that weigh three (3) tons apiece. What is the maximum number of beams you safely can lift at one time?

A. 6
B. 7
C. 8
D. 9