1.1 Personal and Worksite Safety
(Questions related to these tasks make up 5-15% of the exam.)
1.1.1 Determine and wear personal protective equipment (PPE). 12, 48, 50, 51, 52
1.1.2 Identify and report task-specific hazards. 2, 4, 48, 51

1.2 Plans and Specifications
(Questions related to these tasks make up 5-15% of the exam.)
1.2.1 Identify locations on site from locations on plans. 39, 41, 47, 53
1.2.2 Identify test frequencies and requirements. 2, 6, 12, 23, 31, 53

1.3 Sampling of Concrete Mixes and Components
(Questions related to these tasks make up 10-20% of the exam.)
1.3.1 Collect samples of plastic concrete. 11, 12
1.3.2 Collect samples of mix components (including labeling). 21, 22
1.3.3 Collect masonry units (e.g. block or brick). 34
1.3.4 Document source of samples (e.g. aggregates or plastic concrete). 3, 21, 22, 43, 49
1.3.5 Document placement location for plastic concrete. 2, 20, 32, 36, 43
1.3.6 Document mix information. 4, 5, 6, 30, 43

1.4 Concrete Mix Sample Preparation, Storage, and Transportation
(Questions related to these tasks make up 5-15% of the exam.)
1.4.1 Prepare samples for strength testing. 17, 42
1.4.2 Transport samples of plastic concrete to on-site testing location. 2, 12
1.4.3 Wet sieve plastic concrete. 2, 12, 37
1.4.4 Site cure samples. 2, 48
1.4.5 Transport hardened concrete samples to the laboratory. 2, 5
1.4.6 Lab cure prepared specimens. 2, 15
1.4.7 Reduce samples to testing size. 5, 9, 18, 25

1.5 Field and Laboratory Testing of Concrete Mixes and Components
(Questions related to these tasks make up 35-45% of the exam.)
1.5.1 Determine temperature of plastic concrete. 19
1.5.2 Perform slump tests. 11
1.5.3 Determine air content pressure method. 8, 14
1.5.4 Determine air content volumetric method. 13
1.5.5 Determine air content gravimetric method. 10
1.5.6 Determine unit weight. 1, 10, 14
1.5.7 Cast strength specimens. 2, 12
1.5.8 Perform aggregate gradation tests. 3, 7, 8, 9, 21, 26, 27, 45
1.5.9 Perform moisture content tests. 16, 28
1.5.10 Perform compressive strength tests of concrete cylinders. 4, 17, 33, 44
1.6 Communication of Results
   (Questions related to these tasks make up 5-15% of the exam.)
   1.6.1 Collect required test data for reports. 2, 10, 24, 29, 31
   1.6.2 Document field observations. 4, 8, 13, 48
   1.6.3 Complete test forms and related reports. 4, 7, 16, 29, 35
   1.6.4 Report results to supervisor. 20, 21, 29, 46
   1.6.5 Assess reasonableness of results. 5, 9, 14, 29, 31, 38, 45

1.7 Equipment Calibration and Maintenance
   (Questions related to these tasks make up 1-8% of the exam.)
   1.7.1 Verify lab testing equipment is calibrated for Level I tests. 17, 37
   1.7.2 Verify field testing equipment is calibrated for Level I tests. 2, 11, 17
   1.7.3 Verify dimensions of field equipment. 2, 10, 11, 13
   1.7.4 Verify equipment operation for Level I tests. 7, 9, 10