



Plumber I

Exam Code: 3PB32

Department: State of California

Opening Date: Examination dates are scheduled periodically.

Type of Examination: Service-wide, Open

CLASSIFICATION DETAILS

Plumber I – \$4,308 - \$5,452 per month

Who Should Apply:

Applicants who meet the minimum qualifications as stated on this bulletin may apply for and take this exam.

How to Apply:

Self-scheduling for this examination is offered on a first-come-first-served basis for each written exam date. Please be aware that, although seating is limited and scheduling will conclude once all seats are filled for a specific written exam date, additional self-scheduling dates and exam locations will be posted.

Once you have taken the examination, you may not retake it for 12 months.

Check this bulletin regularly for future exam dates.

ON THE SELF-SCHEDULING DATE, PLEASE GO TO THE “Taking the Exam” SECTION OF THIS BULLETIN TO BEGIN THE SCHEDULING PROCESS.

MINIMUM QUALIFICATIONS

All applicants must meet the education and/or experience requirements as stated on this exam bulletin to be accepted into the examination. Part-time or full-time jobs, regardless of whether paid or volunteer positions, and inside or outside California state service will count toward experience.

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Completion of a recognized apprenticeship in plumbing. (Apprentices who are within six months of completing their apprenticeship program may be admitted to the examination, but must present evidence of completion prior to appointment.)

Or II

Four years of varied general experience installing, maintaining, inspecting and repairing standard plumbing equipment. An Associate of Arts or Certificate of Arts Degree in Plumbing from an accredited community college may be substituted for two years of the required experience. (students who are within six months of completing their degree will be admitted to the examination, but must present evidence of completion prior to appointment.)

POSITION DESCRIPTION

Plumber I

This is one of two entry classes and the first journey level of this series. Incumbents install maintain, inspect and repair standard plumbing equipment concerned with water, gas, oil, sewage, fire control, steam and refrigeration systems; troubleshoot plumbing systems; install and repairs pumps; maintain a plumbing shop make rough sketches and estimate labor and materials for minor plumbing installation and repair; advise in selection, ordering, and storage of plumbing supplies and equipment; consult with other tradespeople; keep simple records and make reports; and instruct and lead unskilled assistants.

EXAMINATION SCOPE

This examination consists of the following components:

Multiple Choice Written Examination – Weighted 100% of the final score. The examination will consist solely of a written, multiple choice test designed to evaluate a candidate's knowledge in the areas of: Mathematics and Plumber Knowledge.

A final score of 70% must be attained to be placed on the eligible list.

In addition to evaluating applicants' relative knowledge, skills, and ability, as demonstrated by quality and breadth of education and/or experience, emphasis in each exam component will be on measuring competitively, relative job demands, each applicant's:

Knowledge of:

1. Principles, methods, materials, tools, and equipment used in plumbing.
2. Safety Orders of the Division of Industrial Safety applicable to plumbing
3. Building codes

4. Knowledge of the Uniform Plumbing Codes in order to complete plumber activities in compliance with State and Federal regulations and departmental guidelines.
5. Knowledge of the principles, methods, tools, and equipment used in plumbing to ensure adherence to departmental quality standards and Uniform Plumbing Code.
6. Knowledge of standard plumbing installation and servicing techniques concerned with various applications (e.g., water, gas, sewage, steam, oil, fire, etc.) in order to complete plumbing projects.
7. Knowledge of the processes for conducting inspections of standard plumbing installations concerned with various applications (e.g., water, gas, sewage, steam, oil, fire, etc.) to ensure proper function, safety, and maximum efficiency.
8. Knowledge of the inner workings and installation process for water irrigation systems in order to inspect and/or make repairs.
9. Knowledge of various types of pipe (e.g., galvanized, copper, plastic) and their uses/properties in order to properly plan, conform to Uniform Plumbing Code, and complete plumbing projects.
10. Knowledge of various types of machinery (e.g., snakes, power snakes, hand spinners, cameras, etc.) used to solve plumbing problems.
11. Knowledge of materials, methods, and the tools involved in the construction or repair of houses, commercial buildings, and other structures such as highways, roads, and parks and how they relate to plumbing installation.
12. Knowledge of basic algebra and geometry and their applications for determining pipe measurement, fall, and grading in the completion of plumbing activities.
13. Knowledge of basic arithmetic (e.g., addition, subtraction, multiplication, division, etc.) used for the completion of plumbing activities.
14. Knowledge of drain or pipe clearing/cleaning equipment (e.g., drain cleaning cables, hand spinners, handheld electric snake, power sink machine, drain cleaners, toilet augers, blow/bladder bag, etc.) to facilitate plumbing activities.
15. Knowledge of pipe or tube cutters (e.g., copper cutting machines, power pipe cutters, ratcheting polyvinyl chloride cutters, tubing cutters, etc.) to facilitate plumbing activities.
16. Knowledge of the functions of pressure indicators (e.g., pressure gauges, heavy duty water pressure gauges, standard water pressure gauges, etc.) to facilitate plumbing activities.
17. Knowledge of hand tools (e.g., basin wrench, pipe wrench, augers, hammer, tape measure, level, plunger etc.) used to complete plumber activities.

Skill to:

1. Performing plumbing work
2. Caring for tools, materials, and equipment

Ability to:

1. Follow oral and written instructions
2. Instruct and lead unskilled assistants
3. Ability to recognize potentially dangerous or problematic plumbing circumstances in order to implement preventative measures.
4. Ability to read and comprehend English in order to interpret/produce work related documents.

ELIGIBLE LIST INFORMATION

A service-wide, open eligible list for the Plumber I classification will be established for:

State of California (all State of California departments, statewide)

The names of successful competitors will be merged onto the eligible list in order of final score regardless of exam date. Eligibility expires **12 months** after it is established. Applicants must then retake the examination to reestablish eligibility.

Veterans' Preference will be granted for this examination. In accordance with Government Codes 18973.1 and 18973.5, whenever any veteran, or widow or widower of a veteran achieves a passing score on an open examination, he or she shall be ranked in the top rank of the resulting eligible list.

Veteran status is verified by the California Department of Human Resources (CalHR). Information on this program and the Veterans' Preference Application (Std. 1093) is available [online](#). Additional information on veteran benefits is available at the Department of Veterans Affairs.

Career Credits are not granted for examinations administered on an Open basis or Promotional basis.

EXAMINATION INFORMATION

Required Identification: Applicants must bring photo identification or two forms of signed identification to the written examination.

The examination will also allow for the use of calculators, which will be issued on the written test date. The use of personal calculators will not be permitted.

PREPARING FOR THE EXAMINATION

Here is a list of suggested resources to have available prior to taking the exam.

Employment History: Employment dates, job titles, organization names and addresses, names of supervisors or persons who can verify your job responsibilities, and phone numbers of persons listed above.

Education: School names and addresses, degrees earned, dates attended, courses taken (verifiable on a transcript), persons or offices who can verify education, and phone numbers of persons or offices listed above. **[add only if MQs contain education**

requirements; if not, do not add]

Training: Class titles, certifications received, names of persons who can verify your training, and phone numbers of persons listed above.

TAKING THE EXAM

You must schedule yourself to participate in this written examination. Self-scheduling for this examination is offered on a first-come-first-served basis for each written date. Although seating is limited and scheduling will conclude once all the available seats are filled for a specific written exam date, additional self-scheduling dates and test locations will be posted in the future.

Self-Scheduling Opens

Written Exam Date (s)

Exam Location (s)

Test dates are posted here as needs warrant. Please check this area periodically for open testing.

[Schedule](#) a written exam for the Plumber I classification

Please note: If you have a disability and need special testing arrangements, please select the Reasonable Accommodation box during the self-scheduling process.

TESTING DEPARTMENTS

State of California (all State of California departments)

CONTACT INFORMATION

Questions regarding this examination should be directed to:

California Department of Human Resources
CalCareer Service Center
1810 16th Street
Sacramento, CA 95814
Phone: (866) 844-8671
CalCareer@CalHR.CA.GOV

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California Relay Service: 7-1-1 (TTY and voice)

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device.

EQUAL OPPORTUNITY EMPLOYER

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.

DRUG-FREE STATEMENT

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

GENERAL INFORMATION

The Examination/Employment Application (STD 678) is available at the California Department of Human Resources, local offices of the Employment Development Department, and through your CalCareer account (www.CalCareers.ca.gov).

If you meet the requirements stated on this examination bulletin, you may take this competitive examination. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described in this bulletin will be rated against a predetermined job-related rating, and all applicants who pass will be ranked according to their scores.

The California Department of Human Resources (CalHR) reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules, and all applicants will be notified.

General Qualifications: Applicants must possess essential personal qualifications including integrity, initiative, dependability, good judgment, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the

class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history, and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the exam bulletin.