California Department of Public Health
EXAMINATION QUESTIONNAIRE
RESEARCH SCIENTIST III
(PHYSICAL/ENGINEERING SCIENCES)

Examination title: Research Scientist III (Physical/Engineering Sciences)

Name and address: o
o

Thank you for your interest in California State civil service employment. The State of California is an Equal Employment Opportunity employer. The Research Scientist III (Physical/Engineering Sciences) examination will consist of a Training and Experience Questionnaire that will be used to evaluate your knowledge, experience, training, and familiarity or understanding of a particular subject or issue.

This is a scored test and will account for 100% of your rating. It is important that you fill the questionnaire out completely and accurately. YOUR RESPONSES ARE SUBJECT TO VERIFICATION. Your responses should be an accurate reflection of your personal experience and training.

Candidates who fail to follow the instructions will be eliminated from this examination.

THIS AFFIRMATION MUST BE COMPLETED:
I hereby certify and understand that the information provided by me on this questionnaire is true and complete to the best of my knowledge and contains no willful misrepresentation or falsifications. I understand this information will be verified and may be discussed in a hiring interview. I also understand that if it is discovered that I have made any false representations, I will be removed from the examination process, removed from the list resulting from the examination, or dismissed from civil service status.

Signature	Print name	Date

Send completed application questionnaire package to:

California Department of Public Health
Human Resources Branch
MS 1700–1702
P.O. Box 997378
Sacramento, CA 95899-7378

IMPORTANT NOTE: Please ensure that the envelope has adequate postage. Facsimiles (FAX) or Email will NOT be accepted under any circumstances.

California Department of Public Health
EXAMINATION QUESTIONNAIRE
RESEARCH SCIENTIST III
(PHYSICAL/ENGINEERING SCIENCES)

GENERAL INSTRUCTIONS

1. The attached questionnaire will constitute the entire examination. Additional instructions are provided within the questionnaire.

2. Your responses to the questions must be provided on the questionnaire. Answer all questions for each knowledge, experience, and/or other column as requested.

   NOTE: The first part titled "KNOWLEDGE AND EXPERIENCE" requires two responses; one response for knowledge and one for experience. Rate each your knowledge and experience.

   For the part titled "EDUCATION," special care should be taken to submitting a complete description of your education.

   Any questions without a response will not be accounted for in your total score.

3. You must submit a complete examination application package. Missing information will delay the processing of your examination.

   The following documents comprise a complete examination application package for each Research Scientist I, II, and III:

   - Completed Employment Application (STD. 678) which can be found at: http://jobs.ca.gov/pdf/std678.pdf
   - Affirmation Statement (Page 1)
   - Conditions of Employment (Form 631) (Page 3)
   - Training and Experience Questionnaire (Begins on Page 4)
   - A copy of your official degree and transcripts may assist in the evaluation of your qualifications

4. Before you mail the examination material, please keep a photocopy of the examination application package for your records. In the event that you are called for a hiring interview, you may be requested to provide a copy of this questionnaire.

5. Upon receipt of your completed examination application package, documents become confidential information and are the property of the California Department of Public Health, Selection and Certification Section. Due to its confidential nature, such information cannot be returned.

6. It is your responsibility to notify the California Department of Public Health, Selection and Certification Section, of any changes in your address. All correspondence must include the examination title, your identification number, and your social security number. Send correspondence to:

   California Department of Public Health
   Human Resources Branch
   MS 1700–1702
   P.O. Box 997378
   Sacramento, CA 95899-7378

California Department of Public Health
EXAMINATION APPLICATION PACKAGE
RESEARCH SCIENTIST III
(PHYSICAL/ENGINEERING SCIENCES)

CONDITIONS OF EMPLOYMENT

Name:_____ Date:_____

Examination title: Research Scientist III (Physical/Engineering Sciences)

If you are successful in the examination, your name will be placed on the active employment list and certified to fill vacancies according to the conditions you specify on this form. If you are unwilling to accept work or do not reply promptly to communications, your name will be placed on the inactive list.

LOCATIONS IN WHICH YOU ARE WILLING TO WORK:
Please check your choices—you will not be offered a job in locations not checked. If more than 15 checks are made, you may be considered available for work anywhere in the State.

☐ (5) ANYWHERE IN THE STATE (IF CHECKED, NO FURTHER SELECTION IS NECESSARY.)

☐ 8004 ANYWHERE IN THE NORTHERN REGION—OR MARK NORTHERN REGION COUNTY CHOICES:

☐ 0400 Butte	☐ 2300 Mendocino	☐ 4600 Sierra
☐ 0600 Colusa	☐ 2500 Modoc	☐ 4700 Siskiyou
☐ 0800 Del Norte	☐ 2900 Nevada	☐ 5100 Sutter
☐ 1100 Glenn	☐ 3100 Placer	☐ 5200 Tehama
☐ 1200 Humboldt	☐ 3200 Plumas	☐ 5300 Trinity
☐ 1700 Lake	☐ 4500 Shasta	☐ 5800 Yuba
☐ 1800 Lassen		

☐ 8001 ANYWHERE IN THE CENTRAL REGION—OR MARK CENTRAL REGION COUNTY CHOICES:

☐ 0100 Alameda	☐ 2200 Mariposa	☐ 4100 San Mateo
☐ 0200 Alpine	☐ 2400 Merced	☐ 4300 Santa Clara
☐ 0300 Amador	☐ 2700 Monterey	☐ 4400 Santa Cruz
☐ 0500 Calaveras	☐ 2800 Napa	☐ 4800 Solano
☐ 0700 Contra Costa	☐ 3400 Sacramento	☐ 4900 Sonoma
☐ 0900 El Dorado	☐ 3500 San Benito	☐ 5000 Stanislaus
☐ 1000 Fresno	☐ 3800 San Francisco	☐ 5500 Tuolumne
☐ 2000 Madera	☐ 3900 San Joaquin	☐ 5700 Yolo
☐ 2100 Marin		

☐ 8011 ANYWHERE IN THE SOUTHERN REGION—OR MARK SOUTHERN REGION COUNTY CHOICES:

☐ 1300 Imperial	☐ 2600 Mono	☐ 4000 San Luis Obispo
☐ 1400 Inyo	☐ 3000 Orange	☐ 4200 Santa Barbara
☐ 1500 Kern	☐ 3300 Riverside	☐ 5400 Tulare
☐ 1600 Kings	☐ 3600 San Bernardino	☐ 5600 Ventura
☐ 1900 Los Angeles	☐ 3700 San Diego	

TYPE OF EMPLOYMENT DESIRED:

☐ Permanent ☐ Limited Term ☐ Full-Time ☐ Part-Time ☐ Intermittent

INSTRUCTIONS: ALL CANDIDATES MUST COMPLETE QUESTIONS 1–33.

KNOWLEDGE AND EXPERIENCE

NOTE: In evaluating the amount of experience (paid or voluntary) you have in a particular subject area, unless it was performed on a full-time basis, all part-time and/or intermittent experience must be computed and converted to full-time equivalency and reflected as such in your response. For example, half-time employment for six months is equivalent to three months full-time.

Rate both your knowledge and experience separately for each of the following:

	No knowledge	Basic/limited knowledge	Moderate knowledge	Extensive knowledge	No experience	Some experience (less than one year)	Moderate experience (one to three years)	Extensive experience (four or more years)
1. Identification and selection of appropriate problem for study	0	1	2	3	0	1	2	3
2. Development of study hypothesis	0	1	2	3	0	1	2	3
3. Selection of appropriate study design, analytical approach, sampling scheme, and data collection methods	0	1	2	3	0	1	2	3
4. Maintain quality control on data	0	1	2	3	0	1	2	3
5. Application of physical and/or engineering measurements	0	1	2	3	0	1	2	3
6. Perform statistical analyses	0	1	2	3	0	1	2	3
7. Use of computer software to analyze data	0	1	2	3	0	1	2	3
Name the software: _____								
8. Evaluation of research methodology	0	1	2	3	0	1	2	3
9. Provide technical consultation to independent and departmental investigators	0	1	2	3	0	1	2	3
10. Critically review literature relevant to methods and interpretation of findings	0	1	2	3	0	1	2	3
11. Work as part of a multidisciplinary team:								
a. Project team member	0	1	2	3	0	1	2	3
b. Serve in a lead or supervisory role	0	1	2	3	0	1	2	3
c. Principal or coprincipal investigator	0	1	2	3	0	1	2	3
d. Consultant	0	1	2	3	0	1	2	3
12. Prepare report(s) of research findings for publications	0	1	2	3	0	1	2	3

NOTE: All information provided on this Questionnaire is subject to verification.

KNOWLEDGE AND EXPERIENCE (Cont.)

	Extensive experience (four or more years)	Moderate experience (one to three years)	Some experience (less than one year)	No experience	Extensive knowledge	Moderate knowledge	Basic/limited knowledge	No knowledge
13. Conduct presentation(s) to scientific groups/public	0	1	2	3	0	1	2	3
14. Work with media (e.g., responding to reporters, television, or radio interviews)	0	1	2	3	0	1	2	3
15. Relate findings to health policy	0	1	2	3	0	1	2	3
16. Assist in performing research grant proposals for funding	0	1	2	3	0	1	2	3

EXPERIENCE IN SELECTED COMPONENTS OF RESEARCH

Count only those projects or research studies in Physical/Engineering Sciences or a closely related field.

	Six or more	Three to five	One to two	None
17. Number of research proposals prepared for internal or external peer review	0	1	2	3
18. Number of research projects funded as a result of a research proposal in which you have served as a principal investigator, co-investigator, researcher, or consultant	0	1	2	3
19. Number of research projects in which you selected the methodology	0	1	2	3
20. Number of research projects in which you performed the data analysis	0	1	2	3
21. Number of research projects in which you are/were responsible for the data analysis, but did not perform the analysis yourself	0	1	2	3

List the research proposals: _____

_____

_____

NOTE: All information provided on this Questionnaire is subject to verification.

EXPERIENCE IN PUBLICATIONS AND PRESENTATIONS

Count only those publications and presentations in Physical/Engineering Sciences or a closely related field.

	None	One to two	Three to five	Six or more
22. Number of first authored publications you have in peer reviewed scientific journals	0	1	2	3
23. Number of co-authored publications you have in peer reviewed scientific journals (excluding those counted in the previous question)	0	1	2	3
24. Number of technical reports you have prepared as a first author or co-author (excluding those counted in the two previous questions)	0	1	2	3
25. Number of oral or poster presentation(s) you have presented at professional scientific meetings	0	1	2	3
26. Number of lay person fact sheets on scientific issues that you have prepared	0	1	2	3
27. Number of oral presentations on scientific topics you have made before lay audiences	0	1	2	3

EXPERIENCE IN PROVIDING TRAINING, TECHNICAL ASSISTANCE, AND EXPERTISE

Count only those training sessions, associations, journals, and situations in Physical/Engineering Sciences or a closely related field.

	None	One to two	Three to five	Six or more
28. Number of training sessions or classes you have prepared and/or conducted in your professional career	0	1	2	3
29. Number of scientific articles you have peer reviewed for journals	0	1	2	3
30. Number of public health situations in which you have provided technical input with regard to health warnings or new policy	0	1	2	3
31. Number of professional memberships with nationally recognized associations	0	1	2	3

NOTE: All information provided on this Questionnaire is subject to verification.

EDUCATION

32. Describe your academic professional education that is relevant to the Research Scientist classification. Please include the following:

    - List your degree(s) and specific field of study.
    - If applicable, identify the title of your research thesis, study, or project. Describe the research problem you evaluated and the conclusions of your research.

33. Describe your research experience relating to Physical/Engineering Sciences. Specifically, address your experience in and responsibility for determining/selecting the appropriate research design, laboratory methods, and data analysis techniques.

NOTE: All information provided on this Questionnaire is subject to verification.

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

Examination Title: Research Scientist III (Physical/Engineering Sciences)

EXAMINATION INFORMATION TO APPLICANT:

You have completed the examination for the Research Scientist III (Physical/Engineering Sciences) examination. Test results will be mailed to you within six to ten weeks after the date your completed application examination package is received.

Reminder: You must submit a complete examination application package which is comprised of the following documents:

- Completed Employment Application (STD. 678)
  http://jobs.ca.gov/pdf/std678.pdf
- Signed Affirmation Statement
- Completed Conditions of Employment (Form 631)
- Completed Training and Experience Questionnaire
- A copy of your official degree and transcripts may assist in the evaluation of your qualifications

Mail the complete examination application package to:

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MS 1700–1702
P.O. Box 997378
Sacramento, CA 95899-7378

If you have any questions regarding this examination, please contact the Selection and Certification Section staff at (916) 319-9759.

NOTE: All information provided on this Questionnaire is subject to verification.