EET

How to Use the CBT Software

Practice Exams for the California Seismic Principles Civil P.E. Examination

How to Use the Book and the Software

The book contains three sample exams of the California Seismic Principles examination that simulate the actual exam with its latest format started with the October 2012 cycle.

The intent of the practice exams is to measure the candidate's readiness. Based on this practice, the candidate can assess his/her understanding of the subject matter and plan further review, if necessary.

You should only take the three practice exams after you are fully prepared and have reviewed and mastered the fundamentals of the exam topics. Do not consider taking the exam as a studying tool, rather it is a tool to appraise your knowledge, skills and speed before the actual examination. As such, you should be ready to take the three practice exams as close as possible to your exam date, but with leaving adequate time to adjust your preparation and further study the areas you deem necessary to review.

You will benefit the most by simulating the actual exam conditions and constraints while taking the practice tests. Use the same calculator that you will be using during the actual exam; be ready with your water bottle; start the two and half hours uninterrupted, are among the examples of a real simulation to help you best prepare.

The practice exams are presented in both text manuscript and Computer Based Test (CBT) format. The CBT format is presented in either "Simulation Exam" format or "Exercise Exam" format.

The practice exams text manuscript are presented for those who prefer to exercise the traditional way and also as printed reference materials you may want to take with you to the actual exam.

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However, the most recommended tool to consider is the Computer Based Test (CBT) format presented herein. Use the CBT "Simulation Exam" format to practice and test your knowledge for the three practice exams.
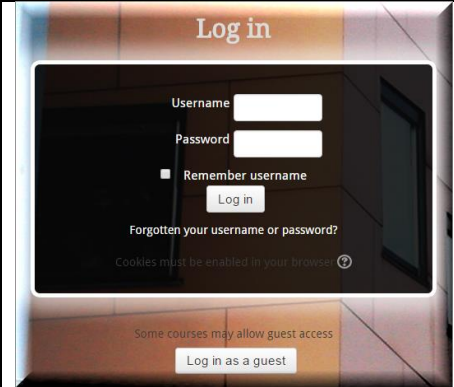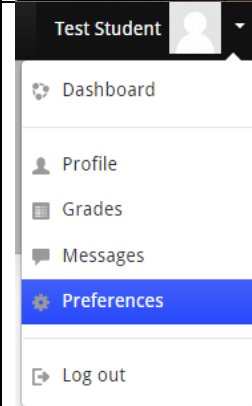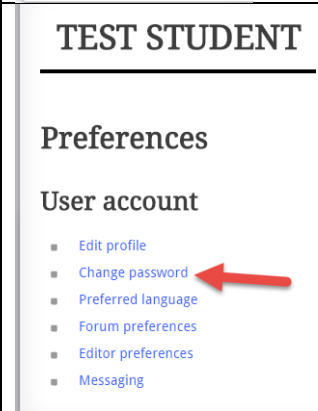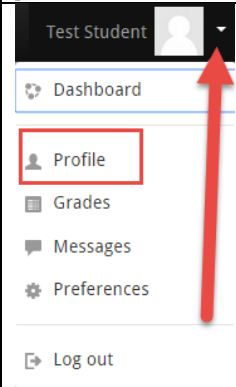
➢ When you complete one exam, a scoring number (out of 55) is shown on the screen. The navigation pane shows the 55 questions with the candidate's correct and incorrect answers, using color coding: green for correct and red for the incorrect questions. A chance to review the exam questions and check the answer you chosen is possible by selecting the question number. A Scoring Table showing the correct answers and the topic of the question at hand is presented in the book manuscript printable format.

➢ A review option is available to assess your performance in the particular attempt of the exam. Using the review button, you can go over the 55 exam questions in sequence to see which questions, you solved incorrectly, guessed, flagged or did not solve at all.

- ➢ To check the answers to the questions you missed, or to re-visit any of the questions, you may use the CBT "Exercise Exam" to specifically reach and re-solve these questions. The Exercise Exam format will give you the solution to the question if you choose the incorrect answer.
- ➢ The provided solution details the major steps with reference to the appropriate code equations and interpretation.
- ➢ Alternatively, you may check the correct answer and solution to any question of the three practice exams using the text manuscript.

After taking the practice exams, you will be able to identify your areas of strength and areas of weakness. Study and further prepare yourself on those areas of weakness and the questions that you guessed. The exam results are tabulated with your answer, the correct answer and the specific topic of each question, so as to guide you in this regard.
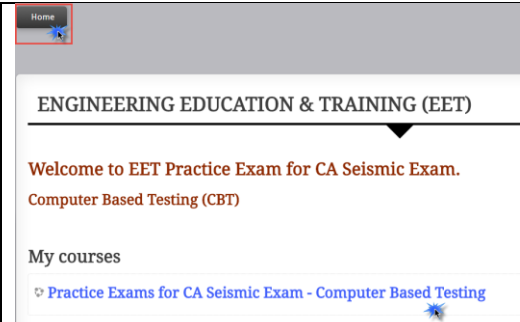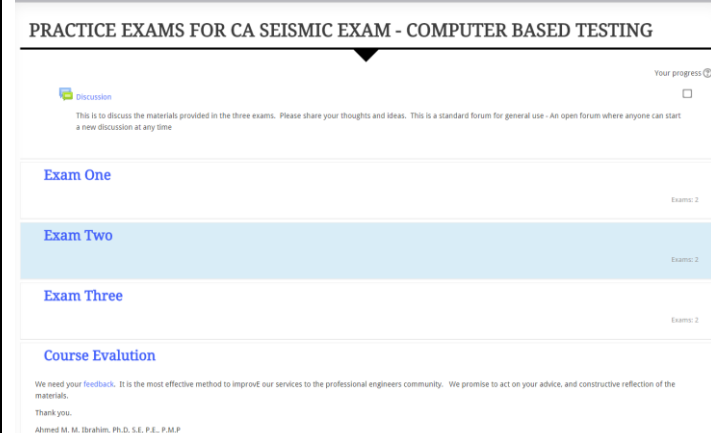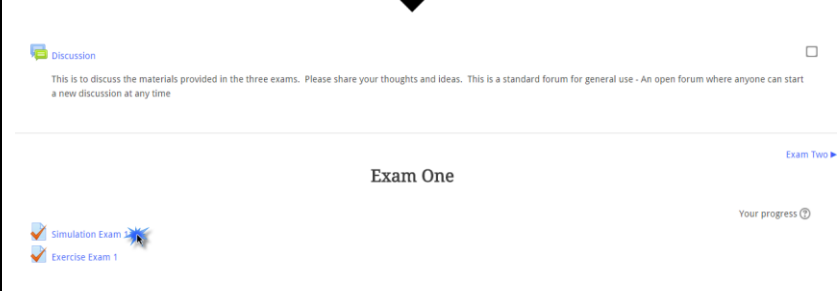
Testing yourself repeatedly close to the actual exam time, is a sure thing to improve your chance of passing the seismic exam. As a result, you will be far better prepared and will improve your performance on the actual test

Login, Change Password, and Update your Profile

URL for login	https://eet-usa.org/classes/login/index.php
	When subscribe for the online CBT, you will you will be provided a username and an initial password through the system admin. You will be asked to change your password after your first login. You can also re-set your password through "Forgotten your username or password?" feature.
	Click on the dropdown menu at the upper right corner; then click on Preferences.
	Select Change password
	Once you are in the system, change your password and profile as needed. The menu to do so is located at the upper right corner of the screen, as shown here

	Click on Edit profile
TEST STUDENT **User details** • Edit profile Country United States City/town Sacramento **Course details** Course profiles • Practice Exams for CA Seismic Exam - Computer Based Testing **Miscellaneous** • Blog entries • Forum posts • Forum discussions **Reports** • Browser sessions **Login activity** First access to site Saturday, 19 September 2015, 5:09 PM (14 days 14 hours) Last access to site Sunday, 4 October 2015, 7:12 AM (1 sec)	If you wish to add a picture to your profile, please limit the size to be less than 256 MB.

Working with Practice Exams – Simulation Exam

Home **ENGINEERING EDUCATION & TRAINING (EET)** Welcome to EET Practice Exam for CA Seismic Exam. **Computer Based Testing (CBT)** **My courses** ▷ Practice Exams for CA Seismic Exam - Computer Based Testing	From the home page {https://eet-usa.org/classes/}, click on "*Practice Exams for CA Seismic Exam - Computer Based Testing*"
PRACTICE EXAMS FOR CA SEISMIC EXAM - COMPUTER BASED TESTING Discussion Your progress ☐ This is to discuss the materials provided in the three exams. Please share your thoughts and ideas. This is a standard forum for general use - An open forum where anyone can start a new discussion at any time **Exam One** Exams: 2 **Exam Two** Exams: 2 **Exam Three** Exams: 2 **Course Evalution** We need your feedback. It is the most effective method to improvE our services to the professional engineers community. We promise to act on your advice, and constructive reflection of the materials. Thank you. Ahmed M. M. Ibrahim, Ph.D. S.E. P.E., P.M.P	Click on the desired exam, say Exam Two as shown here
Discussion ☐ This is to discuss the materials provided in the three exams. Please share your thoughts and ideas. This is a standard forum for general use - An open forum where anyone can start a new discussion at any time Exam Two ▶ Exam One Your progress ⑦ ✓ Simulation Exam 1 ✓ Exercise Exam 1	Each exam is provided twice, once as a simulated with time limits, and the second version as exercise exam where answers are provided and no time limits. In this example we will demo a Simulate exam

PRACTICE EXAMS FOR CA SEISMIC EXAM - COMPUTER BASED TESTING

Simulation Exam 1

There are 55 questions. The clock begins once the student starts the attempt

Time limit: 2 hours 30 mins

Grading method: Last attempt

Summary of your previous attempts

Attempt	Status	Grade / 55	Review
1	Finished Submitted Saturday, 19 September 2015, 6:15 PM	1	Review

Last attempt: 1 / 55.

Re-attempt Exam

Click on attempt Exam, or Re-attempt exam if you have practiced it before.

Confirmation

The exam has a time limit. Are you sure that you wish to start?

Start Exam   Cancel

A confirmation menu appears, please click Start Exam

Practice Exams for CA Seismic Exam - Con

EXAM NAVIGATION

Test Student

1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36	37	38	39	40	41	42
43	44	45	46	47	48	49	50	51	52	53	54	55

Finish and submit

Time left **2:28:42**

Question **3**
Not yet answered

⚑ Remove flag

**An ext
minim
buildi**

Select on

○ A.

○ B.

○ C.

○ D.

Next

Once you are in the exam, when you select an option and click next the Exam Navigation will be gray for this question {as shown for questions 1 and two here} You can also flag a question so you can get back to it later on, as in question 3. Flagged questions appear in the navigation bar with red dot at the upper right corner.

EXAM NAVIGATION

Test Student

1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36	37	38	39	40	41	42
43	44	45	46	47	48	49	50	51	52	53	54	55	

Finish and submit

Time left 2:20:39

When you are ready to submit, click Finish and Submit at the Exam Navigation

Simulation Exam 1

Summary of attempt

Question	Status
1	Answer saved
2	Answer saved
3 ▼	Answer saved
4	Answer saved
5	Not yet answered
6	Not yet answered
51	Not yet answered
52	Not yet answered
53	Not yet answered
54	Not yet answered
55	Not yet answered

Return to attempt

Time left 2:16:40

This attempt must be submitted by Sunday, 4 October 2015, 10:1

Submit Exam and Finish

It will give you a summary of answered questions, not answered questions, and flagged questions.

You have an option to return to the exam or to submit the exam and finish.

Confirmation ☒

Once you submit, you will no longer be able to change your answers for this attempt.

Submit Exam and Finish   Cancel

If you click on the "Submit Exam and Finish, you will receive a confirmation note as shown here

Practice Exams for CA Seismic Exam - Computer Based

EXAM NAVIGATION

Test Student

1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32 33 34 35 36 37 38 39 40 41 42
43 44 45 46 47 48 49 50 51 52 53 54 55

show questions

Finish review

Started on	Sunday, 4 October 2015, 7:45 AM
Status	Finished
Completed on	Sunday, 4 October 2015, 8:04 AM
Time taken	19 mins 6 secs
Grade	2 out of 55 (4%)

Question 1
Correct
Mark 1 out of 1
⚑ Flag question

Which of the following ASCE/S
structures, nonstructural comp

Select one:
○ A.

If you clicked on Submit Exam and Finish, you will receive a score and review of the questions. Green means correct, red means either incorrect or not answered. You can go through the exam to verify your answers.

EXAM NAVIGATION

Test Student

1 2 3 4 5 6 7 8 9 10 11 12 13 14
15 16 17 18 19 20 21 22 23 24 25 26 27 28
29 30 31 32 33 34 35 36 37 38 39 40 41 42
43 44 45 46 47 48 49 50 51 52 53 54 55

show questions

Finish review

When you are done with your review, click Finish review.

Simulation Exam 1

There are 55 questions. The clock begins once the student starts the attempt

Time limit: 2 hours 30 mins

Grading method: Last attempt

Summary of your previous attempts

Attempt	Status	Grade / 55	Review
1	Finished Submitted Saturday, 19 September 2015, 6:15 PM	1	Review
2	Finished Submitted Sunday, 4 October 2015, 8:04 AM	2	Review

Last attempt: 2 / 55.

Re-attempt Exam

A summary of all pervious submittals and option to review them are shown

Working with Practice Exams – Exercise Exam

PRACTICE EXAMS FOR CA SEISMIC EXAM - COMPUTER BASED TESTI | **Click on Exercise Exam 1**

Discussion

This is to discuss the materials provided in the three exams. Please share your thoughts and ideas. This is a standard forum for general use - An open forum where a a new discussion at any time

Exam One

Simulation Exam 1

Exercise Exam 1

Exercise Exam 1

There are 55 questions. There is no timing requirements.

Grading method: Last attempt

Start exam now

A note to explain the exam "There are 55 questions. There is no timing requirements." Click on start exam now

Which of th

structures, r

Select one:

○ A.

$$V = \frac{S_{DS}}{\dfrac{R}{I_e}}$$

○ B.

$$F_p = \left[\begin{array}{c} \\ \\ \end{array}\right.$$

○ C.

$$F_x = \dfrac{}{\displaystyle\sum}$$

○ D.

$$V = \frac{FS}{R}$$

[Check]

Next

◉ D.

$$V = \frac{FS_{DS}}{R} W$$

✗

[Check]

Your answer is incorrect.
The correct answer is

The seismic design force for nonstructural components (F_p) is determined from ASCE 7 (13.3-1):

$$F_p = \frac{0.4\, a_p\ S_{DS}\ W_p}{(R_p / I_p)}\left(1 + 2\frac{z}{h}\right)$$

Upper and lower limits of F_p are given by ASCE 7 (13.3-2&3):

$$0.3\, S_{DS}\, I_p\, W_p \le F_p \le 1.6\, S_{DS}\, I_p\, W_p$$

Where:

The exercise exam format is the same as simulation, except we have add a "check" button". Once you selected an option {A, B, C, or D}, you can check if the answer is correct. If the answer is NOT correct, a details explanation will be shown at the bottom of the page,

Suggested Practice Exams Schedule for the 3 Exams

- ➢ Solve in the last 10 days before your actual exam.
- ➢ Start with Exam 3 (Tricky, 8- 10 days before your actual exam.)
  - ▪ Simulation Exam: practice within uninterrupted 2.5 hrs
    Review to know questions you missed and their topics
  - ▪ Exercise Exam: solve individual questions that you missed or guessed
- ➢ Solve Exam 2 (Lengthy, 5- 7 days before your actual exam.)
  - ▪ Simulation Exam: practice within uninterrupted 2.5 hrs
    Review to know questions you missed and their topics
  - ▪ Exercise Exam: solve individual questions that you missed or guessed
- ➢ Solve Exam 1 (Appropriate, 3 or 4 days before actual exam)
  - ▪ Simulation Exam: practice within uninterrupted 2.5 hrs
    Review to know questions you missed and their topics
  - ▪ Exercise Exam: solve individual questions that you missed or guessed
- ➢ **REPEAT AS NECESSARY   (Minimum Score : 40)**