

دليل اختبار نهاية البرنامج

EXIT EXAM

قسم الهندسة المدنية



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1. Introduction:

The exit exam as an assessment tool for engineering programs was introduced and began receiving attention from 1990. Many methodologies for applying exit exam results in program assessment have been published. Most of these methodologies rely on the use of historic EE performance data to assess the overall program, topics within a program, as well as individual course content within a program.

An exit examination tests students at the end of their program of study for attainment of the program's intended learning outcomes. They cover one or more program-level outcomes, not course-level outcomes. A set of questions is normally identified covering the fundamentals and highlighting key concepts in engineering in the past year course. These questions stress the basic and fundamental knowledge that any engineer should possess before starting practicing.

2. Objectives:

The aims and objectives of the exit exam could be summarized as follow:

- Measuring the students' attainment of the program learning outcomes as well as their performance in the individual courses/domains relevant to their specialization. This is highly important in higher education as it serves as a point of reference for program enhancement.
- Assessing students' educational achievement in the courses in their major area of program study. The exam is supposed to measure the learning outputs of the program as a whole not the individual courses.
- Monitoring tool whose outcomes could be used for feedback, evaluation and reviewing processes. Moreover, the monitoring can be seen as part of the implementation process of the curriculum.
- Provide the departments, colleges and universities with detailed up-to-date feedback, which helps develop the program and its courses. Once the students take the exam, the results are analyzed, examined and discussed extensively to identify points of strengths as well as weaknesses and pinpoint any areas for development in the academic programs or even the introduction of new programs and courses. Thus as a consequence, those detailed results will allow colleges and departments to identify domains where the students excel and those which need improvement and better assessment.

3. Academic And Technical Frameworks:

The exit exam aims at measuring the students' attainment of the program learning outcomes as well as their performance in the individual courses/domains relevant to their specialization. This is highly important in higher education as it serves as a point of reference for program enhancement. These types of exams will motivate students to work harder and help teachers identify and address students' weaknesses.

The primary purpose of the exit exams is to assess students' educational achievement in the courses in their major area of program study. The exam is supposed to measure the learning outputs of the program as a whole not the individual courses.

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By default, fewer advanced questions are introduced to distinguish between the smart and the average students. The number of questions varies from department to department, but is normally kept identical among all years. The exit exam is two hours. The exit exam is divided into three parts. The session covers 60 multiple-choice questions, in five subject areas (Materials and Structure, Geotechnique, Transportation and Surveying, Water Resources and Environment and General courses). The highest possible score for the exam is 60 points. Examinees must achieve a scaled score of 36 or higher to pass the EE. The approximate breakdown of questions by program learning outcomes domains, giving them the relative weights, in each session is shown in the Table below. The program question's banks should be prepared and classified according to the relative weights of the program learning outcomes.

Civil engineering Department

Learning Domains	Code	learning Outcomes	No. of Exit Exam Questions
Knowledge	K1-7	An ability to identify and formulate the concepts of civil engineering, related sciences and mathematics, and acquire new knowledge as needed, using appropriate learning strategies.	25
Skills	S1-2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	10
	S2- 3	An ability to communicate effectively with a range of audiences.	*NP
	S3-6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	10
	S4-1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	10
Values	V1-4	An ability to recognize ethical and professional responsibilities in civil engineering situations and make informed judgments.	5
	V2-5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and meet objectives.	NP*

*NP: Not applicable

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4. Rules And Instructions For Exit Examinations, EE:

Exit exam is a mandatory exam, which is administered on campus. It is offered twice a year, at the end of each semester and is normally scheduled at least three weeks before the graduation deadline. The exit exam should have the following conditions:

1. The exam can only be taken once.
2. All exiting students take the exam simultaneously.
3. The total number of questions is ranging from 60.
4. Generally, the questions are unrelated to each other, and each question must be answered, on average, in less than 2 minutes.
5. Time is set for 2 hours.
6. Changing the answer to a question that has already been submitted is not allowed.
7. Questions are randomized
8. Cell phones are forbidden, no smart phones or electronic devices are allowed in the examination hall.
9. You cannot have a pencil case or calculator nearby.
10. In order to qualify for an exit examination, a student's registration should not have been interrupted.
11. One of the following pieces of identification is required to gain entry to the exam:
 - i. Najran university ID
 - ii. Passport
 - iii. National ID
12. Any student arriving to the exam without one of these authorized pieces of identification WILL NOT be admitted to the exam under any circumstances.
13. Students found with a cell phone on their person, whether on or off, will be immediately expelled from the exam and will receive a failing grade.

Exit Exam Committee