

Engineering Mechanics Quiz (Group D)

Instructor: Vivek Kumar Mehta

May 8, 2018

Note: Bring your calculator, pen and some blank pages as you may need these during the quiz session.

Time and Date: 09:30 am onwards on May 12, 2018

Venue: LH2, Dean's Building

Rules:

1. There are in total 62 students in the class and they are divided into 9 teams.
2. There will be 3 rounds in which the quiz-master will ask the questions to the different teams.
 - (a) **The Regular Round:** In this round each team would be asked *at least* two direct questions. For each correct answer 5 marks will be added to the team's score. In this round there will be no negative marking.
 - (b) **The Passing Round:** In this round each team would get a chance to answer at least 2 questions. For each correct answer, the teams can score 5 marks. For an incorrect answer, there will be a penalty of 2 marks (The penalty would be applicable only if the team has scored more than 5 marks in the previous round). If a team doesn't know the answer to a question, then the question can be passed on to the *next* team. The passing rules would be announced by the quiz-master at the time of quiz.
 - (c) **The Open Round:** Any team would be eligible for answering the question asked in this round. The team which makes the *first claim* will be given the first chance to answer. In case of a tie, the team with lower score would be given the first opportunity to answer the question. For each correct answer the team would get 10 marks and for each wrong answer 5 marks will be deducted from the score. If the quiz-master feels that the question can be passed to the other teams, then he/she can do so by opening the question to other teams with reduced marks.
3. Apart from the above stated rounds, there *can* be a **cross-questioning round**. In this round any team '**A**' having score ' S_A ' can ask a question to any other team '**B**' with score ' S_B ' under the following rules.
 - (a) If $S_A \geq S_B$, and
 - **Case 1:** the team '**B**' gives the correct answer. In such a case, team '**B**' gets +6 marks and team '**A**' gets -3 marks.
 - **Case 2:** the team '**B**' could not provide the correct answer. In such a case, team '**A**' gets +4 marks and team '**B**' gets -1 marks.
 - (b) If $S_A < S_B$, and
 - **Case 1:** the team '**B**' gives the correct answer. In such a case, team '**B**' gets +6 marks and team '**A**' gets -2 marks.
 - **Case 2:** the team '**B**' could not provide the correct answer. In such a case, team '**A**' gets +6 marks and team '**B**' gets -4 marks.
 - (c) In this round a team can ask only 3 questions in total. To any particular team not more than 2 questions can be asked by the same team and a team can answer at most 4 questions in total.

- (d) In case the opposite team could not answer the question put forth by one of the teams, the quiz-master can ask anyone from the question-asking team to provide the correct answer. All the members of the question-asking team should be knowing the correct answer of the question.