

ASSIGNMENT SHEET 1

- Q1** Problems 1 (ii), (iii), (vi), and (x) from PROBLEM SHEET 1 ON MATHEMATICAL PRELIMINARIES
- Q2** Problems 2 (iv) and (vi) from PROBLEM SHEET 1 ON MATHEMATICAL PRELIMINARIES
- Q3** Problem 3 from PROBLEM SHEET 1 ON MATHEMATICAL PRELIMINARIES
- Q4** Problem 6 from PROBLEM SHEET 2 ON KINEMATICS
- Q5** Problem 11 (a) from PROBLEM SHEET 2 ON KINEMATICS
- Q6** Problem 6 from PROBLEM SHEET 3 ON STRESS
- Q7** Problem 7 from PROBLEM SHEET 3 ON STRESS
- Q8** Problem 11 from PROBLEM SHEET 3 ON STRESS
- Q9** Problem 1 from PROBLEM SHEET 4 ON MATERIAL BEHAVIOUR
- Q10** Problem 7 from PROBLEM SHEET 4 ON MATERIAL BEHAVIOUR

Very Important Instructions:

- Assignment submissions must be done *strictly* by **the student himself/herself**. Assignments sent through someone else will be given zero marks.
- The deadline for Assignment submission with full credit is Sep. 2 (Monday) at 8:20 AM in class. Two other deadlines with corresponding penalty are as follows:
 - Assignments submitted by end of Sep. 2 class (i.e. 10 AM) will carry a 20% penalty.
 - Assignments submitted by end of Sep. 3 class (i.e. 1 PM) will carry a 70% penalty. No submission will be considered after this deadline.
- Exceptions have been made regarding the deadlines for three M.Tech students as follows:
 - Roll numbers 19ME63R02 and 19ME63R14: End of Sep. 3 class (i.e. 1 PM).
 - Roll number 19ME63A01: 8:20 AM of Sep. 9 class.
- If, unfortunately, between 8 PM on September 1 and 8:15 AM on September 2, a student suffers due to some medical reason or family emergency, then (s)he should send all the solutions of all the problem sheets that (s)he has worked out till then through a friend. Under no circumstances rough/sketchy solutions will be given marks (see below).
- Discussions and brainstorming is always allowed while solving the PROBLEM SHEETS. Since this ASSIGNMENT SHEET constitutes problems from the PROBLEM SHEETS, it means that some amount of collaborative thinking has gone into these problems too. However, the students must write down the solutions individually and without discussion. Copying can be easily detected and will be severely punished. **Cases of copying will be summarily given zero marks.**
- The assignment submission must be made in a neat and clean fashion. The solutions must follow the sequence of the question numbers.
- The solution steps must be clearly explained. Just writing some formulae and presenting an answer after a messy derivation/working out will be severely penalised.
- *It is **not** the responsibility of the grader to extract meaning out of the student's work. It is the responsibility of the student to present everything clearly.* Clear communication of one's ideas is an essential part of training to be an engineer.