

Instructions for Subjective Prelims

Team Decoherence 2020 (Mail us at decoherence@iisc.ac.in)

- Time allowed : 24 hours starting from 0900 hours on 15th December 2019 to 0859 hours on 16th December 2019
- The marks are mentioned along with each question, part and subpart.
- Partial credit may be awarded for an incomplete solution or progress towards a solution.
- Skipping steps is fine as long as they are “truly trivial”, i.e. trivial according to Kleppner and Kolenkow. (For us, Landau is not trivial)
- As long as they are complete, even one-line answers are acceptable (like a reference to the solution if you can get it that is...). Voodoo/ Black-magic proofs are not acceptable.
- If you have used code anywhere, please send us both the code, and the compiled file
- Because the exam is open resources (internet,books,etc.), we encourage you to discuss amongst your teammates only. If we find by statistical analysis that you have copied from other parties, we reserve the right to allot you a zero. No appeals will be entertained in this regard.
- To submit your answers, please create a SEPARATE PDF FILE FOR EACH QUESTION and EMAIL THEM TO US. We will accept multiple attempts/methods and would grade you accordingly.
- The subject of your mail should be “Decoherence Problem No. < Put Problem no. here >”
- Name the pdf files according to this format : <RollNo.>_<ProblemNo.>_<MethodNo.>.pdf. For example, if your roll number is 123456, and you want to submit your second solution for problem 7, you shall name the file as “123456_7.2.pdf”, and send it in a mail with subject “Decoherence Problem No. 7”
- Not citing your resources would be taken as a case of plagiarism and would lead to an immediate 20 point decrement per incident.
- If you are submitting photographs of your solutions, keep them as neat and ordered as you can. Illegible answers won’t be evaluated. So, if you believe you can type fast enough, we encourage you to submit typed responses as they are unambiguous. (You have 24 hours afterall...)
- And most importantly enjoy the exam! This is not the entrance examination to some institute or your board exams (you have already been through that and we doubt that you want to relive that!). Keep a clear head, be logical in your approach and maintain a positive outlook. We want you to enjoy the exam, and there are rewards for good performance in the prelims as well.