

## ENGR 102 sample questions

- 1) Create a sample meeting agenda. (Describe why you structured each portion of the menu as you did.)
- 2) Write an essay on how your team developed compared to the description of how teams should form according to your readings.
- 4) Name the three step process in achieving an interest-based solution to resolve team member conflict
- 5) What are the four team leadership stages?
- 6) List and discuss the five stages of team development.
- 7) Sketch a histogram with the following data points (data would be given).
- 8) Describe the process and importance of teaming using the terminology given in the book, including relevant examples from your own experience and from the lectures
- 9) What style of conflict management do you prefer? Why? Which do you prefer least? Why?
- 10) a) What characteristics should be looked at when forming a team (age, gender, skills, gpa, alphabetical order, etc...);  
b) Describe four of the five styles of conflict management, and give an example with an in depth explanation of how each would work for a hypothetical situation.
- 11) Name at least four differences between groups and teams.  
Name potential barriers that exist in groups that can be overcome by teams.  
Differentiate relationship behaviors during each stage of team development.
- 12) Describe (not necessarily recite) the different phases of team development.
- 13) What is the recommended minimum number of observations for a Gantt chart?
- 14) List five marks of a bad presentation.
- 15) Describe the relevance of a Gantt chart and how they are used.
- 16) List three potential problems that can occur in a team-oriented project.
- 17) list three good and three bad things to do when giving a presentation
- 18) List a certain number of traits that describes a good communicator—not just as a presenter, but as a person as well
- 19) Name three of the phases that come in the process of forming a team
- 20) List five examples of good things to do when giving an oral report. Also, list five examples of things that are not good to do
- 21) How do you go about choosing variegated-skill teams?
- 22) In the middle of a presentation that you are giving, one of your team members interrupts and starts giving his/her interpretation of the material you are presently covering. What should you do?
- 23) Give two examples of what makes a good team and give two reasons team work is so important to engineers?
- 24) Given 4 Members in a group:  
Here is the bulk of their participation at the meeting...(details provided)  
Evaluate the group so as to place each person into their role in the group
- 25) what is the threefold process to creating a technical report
- 26) what are the five stages to making a team
- 27) what are the elements of a communication system.
- 28) Teamwork- What four levels make the so-called “pyramid of teamwork?”
- 29) Why must one remember that “in order to be heard, you don’t have to shout?”
- 30) Catapult- Explain the most significant variable in the operation of the catapult.
- 31) Do you think working on teams is a good idea? Explain why you chose your answer
- 32) what does the group effectiveness cycle look like and explain what each part of the cycle means
- 33) Explain the concept behind Gantt charts. Why would they be useful to your team?
- 34) What is the difference between a group and a team?
- 35) what are the stages of a team and how have they applied to your team? Give examples of each stage that your group has gone through.

- 36) describe the orthogonal testing method and how you used it in the catapult project.
- 37) draft a brief agenda plan (perhaps for one meeting) incorporating all group members, a plan of designing and running an experiment, and running the meeting itself
- 38) On what level do engineers have to understand human ethics. Give examples of their social responsibilities
- 39) In the process of the catapult project your group went through the cycle of a team. Describe this process and how it relates to your group/team.
- 40) What are the most common, and worst ways, to choose groups in classes?