Some More extra questions

1. What is meant by the terms risk **reduction**, **retention**, **avoidance** and **transfer.** Also **give** the points that taken over to describe about the Risk management task. Give some short examples where ever applicable.
2. Note some points regarding Risk seeking, risk neutral, risk Averse.
3. Agile programming has gained significant momentum in recent years. Critically discuss the eXtreme Programming development technique.
4. A project manager is considering a range of development options for a new computer system and must choose between three development approaches: working in-house, subcontracting to a consultancy or using off-shore outsourcing. Each of these carries with it risks which are reflected in the potential profits:
5. If you develop **in-house** you will make £150K profit. However there is only a two-in-three chance of delivering on time and to budget. If you don’t you will end up losing £60K.
6. The second option of employing a **consultancy** is expensive so the profit is reduced to £100K however there is a good three-in-four probability that they will deliver and even if they don’t their insurance will pay you £40K compensation.
7. Finally **outsourcing** is very cheap and you could make a huge profit of £200K if the project is successful. Unfortunately you estimate that there is only a 50% chance that they will deliver what is required and a 50% chance they will not. If they do not deliver you will irretrievably lose a £30K down-payment.

Draw a decision tree with your calculations to show the expected value of the respective approaches and explain which one you would choose and why.

1. Critically evaluate either Product line software, Cloud Computing, TOGAF or Agile Software Development in the context of software engineering. You answer should ONLY evaluate one of the techniques.
2. Software inspections and reviews are said to decrease software development costs. Briefly describe the process and explain how the technique decreases costs.
3. What is main advantage and disadvantage of with review and without review? Explain in detail with example for both.
4. What are the roles and the structure they followed for the walkthrough’s? Describe the main functioning of the Walkthrough’s.
5. Explain the phases and stages of inspection. With the same describe any 3 reading techniques that used in Fagan inspection. If possible give example for the techniques.
6. Some topic most important are :
7. Product and process Quality
8. Risk management (note decision tree and then probability and occurrence)
9. Planning
10. CMMI
11. Lifecycle any stages. (mostly difference or critical evaluation will be asked)
12. Enterprise Architecture ( any – Agile, XP, your Coursework software, etc.,)

Prepare well. As this is theory part exam. So they may ask any question from your lecture slide. . But mostly some important are Planning, Risk, CMM/CMMI, Quality, QMS.