1. Importance of Software engineering
https://www.javatpoint.com/software-engineering-tutorial

2. Domains of Software Engineering
https://www.google.com/amp/s/www.geeksforgeeks.org/software-engineering-classification-software/amp/
Don't include 6th and 9th point

3. Characteristics of Software Engineering
https://www.google.com/amp/s/www.geeksforgeeks.org/software-engineering-software-characteristics/amp/

4. Explain software process framework
https://www.google.com/amp/s/www.geeksforgeeks.org/software-engineering-software-process-framework/amp/

5. Explain Capability maturity model and
6. List levels of Capability Maturity model
See slides 32-34 for a short and simple answer.

7. List and explain prescriptive processing models
https://www.tutorialride.com/software-engineering/prescriptive-process-models.htm
See slides as well

8. Explain waterfall model
https://www.tutorialride.com/software-testing/software-development-process-models.htm
Requirements are not changing frequently.
Application is not complicated and big.
Project is short.
Requirement is clear.
Environment is stable.
Technology and tools used are not dynamic and is stable.
Resources are available and trained(Adsdthese points)

9. Explain incremental process model
https://www.tutorialride.com/software-engineering/prescriptive-process-models.htm (See slides for advantages and disadvantages)

10. V model
Refer slides 52-54

11,12,13 compare v incremental and waterfall

https://www.google.com/amp/s/www.geeksforgeeks.org/difference-between-waterfall-model-and-incremental-model/amp/

https://www.google.com/amp/s/www.geeksforgeeks.org/difference-between-v-model-and-waterfall-model/amp/

14. Not numbered as 14 in q.bank
15,16,17,18
Can refer slides as well
https://www.tutorialride.com/software-engineering/evolutionary-process-models-in-software-engineering.htm

19. Spiral vs waterfall model
https://www.google.com/amp/s/www.geeksforgeeks.org/difference-between-waterfall-model-and-spiral-model/amp/

20. Advantages of Agile
https://www.javatpoint.com/advantage-and-disadvantage-of-agile-methodology

https://www.ques10.com/p/17108/agile-process-and-its-advantagesexplain-any-one--1/

21. Scrum
https://www.guru99.com/agile-scrum-extreme-testing.html#3
Diagram on slide 89

22. Extreme programming

https://www.tutorialride.com/software-engineering/agile-process-in-software-engineering.htm
Diagram: use the one in slides

23. Kanban
Slides 100-103

24. Scrum vs Kanban
108-109

25. engineering requirement process
https://www.javatpoint.com/software-engineering-requirement-engineering

Or check first few slides of module 2

26, 27 Functional and Non functional requirements.

Slides 19 and 20

https://www.google.com/amp/s/www.geeksforgeeks.org/functional-vs-non-functional-requirements/amp/
Check this link for examples

28. Not numbered in q. Bank

29. Requirement engineering process
https://www.javatpoint.com/software-engineering-requirement-engineering

https://www.google.com/amp/s/www.geeksforgeeks.org/software-engineering-requirements-engineering-process/amp/

30. Explain FTR
https://www.ques10.com/p/8403/what-is-ftr-in-sqa-what-are-its-objectives-expla-1/

31. Elicitation vs specification

https://www.google.com/amp/s/www.differencebetween.com/difference-between-requirement-and-specification-in-software-engineering/amp/

32. Types of requirements
Theory for the diagram in slides
https://www.google.com/amp/s/searchsoftwarequality.techtarget.com/answer/What-are-requirements-types%3famp=1

33. REP steps & 34. Requirement validation techniques
https://www.javatpoint.com/software-engineering-requirement-engineering

35. Srs document with example
https://www.google.com/amp/s/www.geeksforgeeks.org/software-requirement-specification-srs-format/amp/