1- ....Activities are decided and planned from the beginning:

Incremental processes – scrum – ==plan driven processes==- Agile process

2- Engineers should accept work that match their skills is called ....

==Competence==- Confidentiality- Copyright- Patent

3- ………. Is not software process activity

Software validation – Software development- Software development- ==Software dependence==

4- Software needs always to be changed ……… is the one who responsible to make change in generic software

Customer – ==developer== – programmer - manager

5- Software that is not compatible with other systems is ……..

Undependable – ==inacceptable== – unusable - untrustful

6-Software engineering methods depend on ………

==Type of applications==- software activities- software company – software structure

7-The specification of air traffic controls software os owned by …….

Software manager- software stakeholders- ==software customers==- software customers and developerd

8-....... design each component of the system

Databae design – Architectual design – interface design – ==component testing==   Component design المفروض

9-The principles of software Engineering are applied to ……

==Software system== – safety critical system – CAD tools – Embedded control system

10-Software engineers should not use their technical skills to misuse other people's computers . Misuse measn :

Dissemination of viruses or others malware – unauthorized modification of computer material- unauthorized access to computer material- ==All mentioned==

11-The software engineering tool depend on ………

==Requirements== – software architecture – software application – software activities

12-System operate as distributed system across different devices is called …….

Diversity- social change – ==hetrogeneity== – security

13-…………….. is a software that is specified for specific customers

CAD software – PC software – project management tools – ==embedded control system==

14-Process descriptions may include …….

Hardware – software – activity - <mark>product</mark>

15-The economics of all developed nations depend on ……

<mark>Software</mark> – hardware – industry –system

16-……… is abstract representation of a process

Software model – software process – software activity - <mark>software process model</mark>

17-Responsiveness is …….. attribute

Requirement engineering – dependability – <mark>efficiency</mark> – quality management

18-Documentation and computer programs represent ……….

Good system – hardware- <mark>software</mark> - Good software

19-Testing all parts of system is …….

Software testing – object testing – component testing – <mark>system testing</mark>

20- …………. Used when we have clear requirements of the system

<mark>Waterfall model</mark> – incremental model – not mentioned – plan driven

21-The cost of software often …………. Hardware cost

Less than – equal to – <mark>higher than</mark> – similar to

22-Can run on a PC and do not need internet

<mark>Stand alone applications</mark> – custom applications – contrl systems – distributed systems

23- Engineers should respect their employers and keep their information private

<mark>Confidentiality</mark>- security – privacy – none

24-Checking that the software like customer requirements is called

Software evolution – Software verification- Software testing – <mark>Software validation</mark>

25- the stage that covers designing and coding is called :

Software validation- software implementation – specification – <mark>software development</mark>

26-phases of ……….. are not interleaved

Agile- Large systems- systems based on reuse- <mark>waterfall model</mark>

27-………………is a statements that are true before process activity

Before condition – <mark>pre-condition</mark> – pre- and post condition – post- condition

28-……………ensuring that systems conform to their specifications

Aceptance testing – Reviews – Testing – <mark>verification and validation</mark>

29-IEEE code of ethics related to behavior of ……..

Software engineers – <mark>all of the mentioned</mark> – managers - educators

30- In…….. the software can be modified according to changing requirements

Software validation - <mark>Software evolution</mark> - Software programming - Software reuse

31- In products that are stand-alone, the specification of these products is owned by……

Software customer -Software client -<mark>Software developer</mark> -Software manager

32- Software that has problem in GUI interface is…..

inacceptable –unusable- undependable- untrustful

33- …….. identify the organization and structure of the system

<mark>Architectural design</mark> - Organization design - Component design - Structure design

34- …………. occurs because of emerging new technologies

 Distributed systems - Diversity - <mark>Business change</mark> - Specification change

35- Software that is accdded by unauthorised people is ………….

 <mark>Unsecure</mark>- undependable- unsafe - untrustful

36-practical processes are …………..

<mark>Plan driven and agile</mark> – plan driven – agile - scrum

37- physical damage caused by …………. Software

 unsecure - <mark>undependable</mark> - unsafe - untrustful

38- Waterfall model is appropriate for …….

 Medium-size system - Not mentioned - <mark>Large systems</mark> - Small system

39- Patents of clients should be protected

 Privacy - Patents - Copy right - <mark>Intellectual property rights</mark>

40- The planning phase in agile processes is…...

 Stable- <mark>Incremental</mark> -difficult to change - Plan in advance

41- …………. define requirements in details

verification - Requirements Engineering - <mark>Specification</mark> - validation

42-……………. Used in reuse –oriented software engineering

Object oriented systeme – COTS – business systems – not

43-Engineers should respect their employers and keep their information private

None mentioned – privacy – confidentiality – security

44-waterfall model is example of ……………

Not mentioned – incremental development – reuse oriented – iterative development

45-difficulty of fixing previous stage is a problem in :

Not – incremental model – plan driven – agile

46-…………….. use theories and methods to solve problemc according to budget and organization policy.

Requirements Engineering -Software Engineering- Engineering discipline- Software production

47- ….. is not of software engineering ethics

Not mentioned – intellectual property right – confidentiality - competence

48- The system structure may become weak in ……….

Incrementa development – agile – plan driven – not

49- …………….. colecting requirements from stakeholders

Not mentioned- Requirements elicitation- Requirements collection- Requirements traceability

50-is the stage that allows customers to write requirements

System Engineering - Software Specification- Requirement Engineering - Software Requirements

51-………. Is kind of test that care about customer data

Customer testing- Not mentioned – Acceptance testing – system testing

52- ……………is consider design activity

Data description – requirements specification- database specification – interface design

53- ………… describes responsibilities of people

Conditions – Rules – Roles – Product

54-ACM/ IEEE code of ethics conists of ………… priciples

Seven – nine – six- eight

55- playing games on machine of others is consider ………..

Program misuse – software misuse – system misuse – computer misuse

56- …………. Define the services perform by a system

Implementation – <mark>specification</mark> – design – requirements

57- …………. The four basic process activities

Development, evolution, specification, and design

 Not mentioned

<mark>Validation, evolution, specification, and development</mark>

 Requirements, Specification, Design, and implementation

58-The cost of changing requorements decreased in...

 Agile- Not mentioned - Waterfall model - <mark>Incremental development</mark>

59- ……….. ensure that a system does what customer needs

 Requirements - Specification - <mark>Validation</mark> - Evolution

60-…..type of systems can be taken by any customers.

 air traffic control software - customized systems - <mark>stand-alone systems</mark> - embedded control systems

61- ……….. includes hardware, software, and process

Software

System Engineering

Requirement engineering

<mark>Software Engineering</mark>

62-……… are systems developed from other systems

Not mentioned

Embedded systems

<mark>Reuse - oriented software</mark>

Control systems

63-........... used to test the objects

Acceptance testing

<mark>Component testing</mark>

Object testing

System testing

64- Critical systems must be available to use when needed is example of.......requirements

Security

Privacy

Dependability

<mark>Safety</mark>

65-.......... occurs when business environment change

Design

Validation

Specification

<mark>Evolution</mark>

66-The software engineering methods and tools depend on…..

<mark>Background of development team</mark>

 Business change

System structure

System activities

67-……………..considers one of challenges in Software Engineering

bad software quality

portability

Dependability

<mark>huge difference of software</mark>

68-Examples of the esential software product attributes are

<mark>Maintainabilty,Security,Efficiency</mark>

Safety, roboutness, efficiency

Safety, acceptability,efficiency

Security, understandability, dependability