CS615-Software Project Management

(Solved MCQ's)

LECTURE FROM (23 to 45)

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1. When a project is being performed under contract, the product description is provided by which of thefollowing?
   - ❖ The buyer
   - ❖ **The project sponsor**
   - ❖ The project manager
   - ❖ The contractor
2. Span of control in project management is the range of employees who to report to a
   - ❖ **Managerial position PG # 58**
   - ❖ Developer
   - ❖ Customer
   - ❖ None of the given
3. Resource allocation task is performed in phase
   - ❖ **Project initiation PG # 78**
   - ❖ Project closedown
   - ❖ Project planning, control, and tracking
   - ❖ Product implementation
4. Auditing is activity of_____
   - o Construction
   - o Design
     - ▪ o **SCM PG # 110 & 114**
   - o Testing
5. _associated with constraints imposed by management or the marketplace.
   - ❖ **Business impact-risks PG # 318**
   - ❖ Product size-risks
   - ❖ Process definition-risks
   - ❖ Customer characteristics-risks
6. The training plan NOT contain the activity_____
   - ❖ Training Courses
   - ❖ Training Schedule
   - ❖ **Software Components for Installation PG # 406**

- Roles and Responsibilities

7. _is an evolutionary life cycle model that combines the linear nature of the Waterfall model and theiterative nature of the Prototyping model

   - The RAD Model
   - The Waterfall Model
   - The Prototyping Model
   - **The Spiral Model PG # 68**

8. People are managed through an organizational structure. This hierarchical structure is based onthe cornerstones of management

   - Three
   - **Four PG # 193**
   - Five
   - Two

9. Traditional structures of business organization are of_____types

   - **4 PG # 201**
   - 5
   - 1
   - 3

10. Specify any company or industry-specific standards that are relevant to performing the work iscalled____

    - Deliverables Schedule
    - **Applicable Standards PG # 221**
    - Acceptance Criteria
    - Special Requirements

11. To calculate the estimated effort using the intermediate COCOMO technique, you use the formula:

    - E = AEF *Ei
    - E = FEA *Ei
    - E = AFE *Ei
    - **E = EAF *Ei PG # 236**

12. Using the intermediate COCOMO technique effort is calculated in

_

- Five-step Process
- Two-step process
- **Three-step process PG # 234**
- Four-step process

13. WBS is not.....

- **A listing of tasks or activities PG # 249**
- Should have at least 2 levels: Level 1 defines 100% of the service/product/result; Level 2 defines thedeliverables in terms of work (groupings)
- Project Management (and sub-contract management) at Level 2.
- The deliverables in the WBS must match the scope or contract (WBS should not contain work that is notdefined in the scope -Scope should not describe work not contained in the WBS)

14. _is NOT a guideline for creating a software project schedule.

- Classification
- Interdependence
- **Decomposition PG # 288**
- Validation criteria

15. Dividing a software project into phases helps you in managing the_____involved in the softwareproject.

- Complexities
- Uncertainties
- **Complexities, Uncertainties PG # 66**
- Size

16. Unstructured and hurried software development is a

- Technology-related problem
- Product-related problem
- **Process-related problem PG # 87**
- People-related problem

17. We use_____when the organization is small, geographically centralized, and provides few goodsand services.

- **Functional structures PG # 198**

- ❖ Projectized Structure
- ❖ Both Functional structures, Projectized Structure
- ❖ Neither Functional structures nor Projectized Structure

18. The last step in calculating effort by using the COCOMO technique is to substitute the values of lines of codeand effort constants in the following formula___

- ❖ $Ej = a1 * (KLOC)^2$
- ❖ $Ej = a1 * (KLOC)^{a4}$
- ❖ $Ej = a1 * (KLOC)^{a3}$
- ❖ **$Ej = a1 * (KLOC)^{a2}$ PG # 234**

19. Your WBS design should try to achieve certain goal/s except_____

- ❖ Allow mapping of requirements, plans, testing, and deliverables
- ❖ Foster clear ownership by managers and task leaders
- ❖ Provide data for performance measurement and historical databases,
- ❖ **Do not give visibility to important or risky work efforts PG # 278**

20. _is /are basic network-scheduling techniques

- ❖ PERT
- ❖ CPM
- ❖ **Both PERT and CPM PG # 296**
- ❖ Neither PERT nor CPM

21. _is/are common component/s of PERT and CPM.

- ❖ Activities
- ❖ Nodes and Network
- ❖ Critical path
- ❖ **Activities, Critical path. Nodes and Network PG # 296**

22. Risk Identification involves except_____

- ❖ Determining which risks might affect the project
- ❖ Documenting their characteristics
- ❖ **Risk Probability PG # 338**
- ❖ Identifying risks that may occur on a particular project

23. One of the more recent developments in quality assurance is the realization that quality is
_attributethat either exists or does not exist.

- **Not a binary PG # 366**
- A binary
- Exponential
- Both binary and exponential

24. The amount of training time needed for a new user is called_____

- Reliability
- Recoverability
- Availability
- **User-friendliness PG # 368**

25. Resources are assigned to tasks for the following reason

- Standard rate: The normal rate at which a resource is procured
- Overtime rate: The rate that you pay if you overuse a work resource
- **Both Standard rate and Overtime rate PG # 389**
- Neither Standard rate nor Overtime rate

26. _committee is set up to monitor implementation committee

- Implementation department
- Implementation
- **Implementation coordination PG # 404**
- Configuration

27. The user-representative gives the sign-off after_____

- **Acceptance testing PG # 410**
- Project failure
- Unit Testing
- Whie Box Testing

28. The primary input to create the software is/are. . .

- **Project Resources PG # 71**
- Project Cost
- Project schedule
- Project Plan

29. Fuzzy users are a . . . related problem?

- People
- **Product PG # 89**
- Process
- Technology

30. If every requirement stated in the Software Requirement Specification (SRS) has only one interpretation, SRSis said to be...

- Correct
- **Unambiguous**
- Consistent
- Verifiable

31. If every requirement can be checked by a cost-effective process, then the SRS is

- **Verifiable**
- Traceable
- Modifiable
- Complete

32. Which of the following is an output from Software Development Process (SDP)?

- **Project plan PG # 154**
- Work results
- Change requests
- Supporting details

33. The activity that distributes estimated effort across the planned project duration by allocating the effort tospecific software engineering tasks is called...

- Cost management
- **Project schedule PG # 284**
- Effort management
- Activity management

34. Requirements can be refined using

- Waterfall model
- **Prototyping model**
- Evolutionary model

- Spiral model

35. All activities lying on critical path have slack time equal to ...

- **0**
- 1
- 2
- 3

36. Which of the following planning is highly affected by organizational planning?

- Scope planning
- quality planning
- Testing planning
- **Communication planning PG # 202**

37. Which of the following is not a size metric?

- LOC
- Function count
- Program length
- **Cyclomatic complexity**

38. The model that assumes that effort and development time are functions of product size alone is

- **Basic COCOMO model**
- Intermediate COCOMO model
- Detailed COCOMO model
- All the three COCOMO models

39. The ISO quality assurance standard that applies to software engineering is

- SO 9000
- ISO 9001
- ISO 9002
- **ISO 9003 PG # 359**

40. How many risk stages are there in risk management plan?

- 2
- 3
- 4

- **5**

41. Functional decomposition of a software project is a division of the system into

- **Operational components PG # 267 (Lec # 35)**
- High level components
- Low level modules
- Low level modules and high level components

42. _is another important factor that can affect the accuracy and efficacy of estimates.

- **Project Size PG # 224 (lec # 29)**
- Project Cost
- Project Time
- project Risk

43. CPM stands for_____.

- Cyclic Path Method
- Cross process Model
- **Critical Path Method PG # 228 (lec # 30)**
- Cyclic Process Method

44. The Source Line of Code (SLOC) technique is_____.

- Platform-Dependent
- **Language-Dependent PG # 230 (Lec # 30)**
- Technique-Dependent
- Functional-Dependent

45. Scheduling for software engineering projects can be viewed from ... rather different perspectives.

- one
- **Two PG # 284 (lec # 37)**
- Three
- Four

46. Estimation of following Critical factors are essential EXCEPT_____.

- Cost
- **Time PG # 223 (lec # 29)**

- Effort
- Risk

47. Which of the following guidline for creating the software project schedule is used to group similar tasks andactivities so that they are completed successfully.

- Interdependence
- Time and effort allocation
- **Classification PG # 288 (lec # 37)**
- Defined responsibilities and outputs

48. _is measured by the degree of uncertainty in the quantitative estimates established for resources,cost, and schedule.

- Time
- Size
- **Risk PG # 225 (lec # 29)**
- Access

49. _is the most expensive element of virtually all computer-based systems.

- **Software PG # 222 (lec # 29)**
- Customer
- Hardware
- Cost

50. Which of the following tools and techniques shows the impacts of one decision over another as well as theprobability and cost of each risk along a logical path?

- Simulation
- **Decision tree**
- Probability /impact risk matrix
- Sensitivity analysis

51. _is not an evaluation method used to validate performance.

- Transaction Logs
- Testing for adherence to spec
- Setup schedule for reviews
- **Business Development PG # 159 (lec # 25)**

52. CSOM stands for_____

- **Computer system operator's manual PG # 173 (lec # 26)**

- ❖ Computer system offered manual
- ❖ Computer software operator's manual
- ❖ Computer system obvious manual

53. _(s)are tangible results produced by processes in the system, such as products or services forconsumers.

- ❖ Input
- ❖ Process
- ❖ **Output PG # 194 (lec # 27)**
- ❖ Feedback

54. The_____in project management process focuses on Change associated with error correction, adaptations required as the software's environment evolves, and changes due to enhancements which broughtabout by changing customer requirements.

- ❖ Analysis Phase
- ❖ Definition Phase
- ❖ **Support Phase PG # 145 (lec # 23)**
- ❖ Development Phase

55. _technique used to integrate the projects scope, schedule, and resources and to measure andreport project performance from initiation to closeout

- ❖ PMIS
- ❖ **EVM PG # 154 (lec # 24)**
- ❖ Stakeholder skills and knowledge
- ❖ PV

56. Estimation of all the factors are essential EXCEPT_____.

- ❖ **Quality PG # 222 (lec # 29)**
- ❖ Cost
- ❖ Effort
- ❖ Risk

57. It is the_____responsibility to select the structure best suited for the project.

- ❖ Product Manager's
- ❖ Planner
- ❖ **Project Manager's PG # 48 (lec # 6)**

- Process Manager's

58. To expand or contact project scope, to modify cost, or schedule estimates are examples of_____

- Work results
- **Change request PG # 156 (lec # 24)**
- Change schedule
- Change scope

59. The_____of scope planning are the scope statement and scope management plan, with the supportingdetail.

- **Outputs PG # 157 (lec # 25)**
- Inputs
- Processes
- Logs

60. Staffing management plan can be_____

- Formal
- Informal
- highly detailed
- **All of the above PG # 204 (lec # 28)**

61. _is one of the most important management activity and is an ongoing effort throughout the lifeof the project.

- Analysis
- **Planning PG # 142 (lec # 23)**
- Organizing
- Leading

62. All of the following are descriptions of how new system is to be developed in Technical ApproachEXCPET_.

- Technologies
- **Consultants PG # 158 (lec #25)**
- Architectural Layout
- Derivatives of existing

63. If the size of a project is extensive and the client prefers all the features of the

proposed project at the firstdelivery, you can select the___Model.

- ❖ Incremental
- ❖ RAD
- ❖ Prototyping
- ❖ WaterfallPG # 163 (lec # 26)

66. The DIDs (Data Item Description) includes a section called_____

- ▪ Formal Documentation
- ▪ **Preparation Instruction PG # 171 (lec # 26)**
- ▪ Associated Documentation
- ▪ Effective Resolution

67. It is the responsibility of_____to select the structure best suited for the project.

- ▪ Team Lead
- ▪ **Project Manager PG # 48 (lec # 6)**
- ▪ Supervisor
- ▪ Group

68. People are managed through a(n)_____.

- ▪ Nature
- ▪ **Organizational structure PG # 193 (lec #27)**
- ▪ Organizational culture
- ▪ Culture

69. PMIS Stands for_____.

- ❖ Process Management Inter System
- ❖ **Project Management Information System PG # 154 (lec # 24)**
- ❖ Program Maintenance Interior System
- ❖ Personal Matters Information System

70. is the process of progressively elaborating and documenting the project work that produces theproduct of the project.

- ❖ Technical Approach
- ❖ **Scope planning PG # 157 (lec # 25)**

- ❖ Resource Allocation
- ❖ Evaluation Methods

71. A contract is a commitment by the developer to provide an agreed product or service for an agreedfee, within an agreed schedule

- ❖ Cost-Plus
- ❖ Variable Price
- ❖ **Fixed price PG # 158 (lec # 25)**
- ❖ Schedule