- 1. QN=1 Which of the following techniques has the process as below?
  - 1. RETRIEVE relevant knowledge from other systems
  - 2. TRANSPOSE it to the target system
  - 3. VALIDATE the result, ADAPT it if necessary & IN-TEGRATE it with the system knowledge already acquired
  - a. Scenarios
  - b. Knowledge reuse
  - c. Interview
  - d. Data Collection
- 2. QN=2 The following criteria are used for stakeholder c analysis, except for
  - a. Relevant position in the organization
  - b. Level of domain expertise
  - c. Create prototypes for system-to-be
  - d. Effective role in making decisions about the system-to-be
- 3. QN=3 Which is not an obstacle to effective knowledge b acquisition?
  - a. Distributed and conflicting knowledge sources
  - b. Stable conditions
  - c. Difficult access to sources
  - d. Tacit knowledge and hidden needs
- 4. QN=4 Which of the following is an elicitation technique that provides a concrete flavor of what the software will look like?
  - a. Prototypes and mock-ups
  - b. Background study
  - c. Data collection
  - d. Card sorts and repertory grids
- 5. QN=5 Which is not a concept-driven acquisition tech- a nique?
  - a. Interview
  - b. Repertory grids

11. b

b. Difficult access to sources

d-v. Interacting with stakeholders

c. Unstable conditions

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	QN=11 can be helpful for eliciting non-functional requirements related to usability, performance, and costs. a. Questionnaires b. Data Collection c. Background study d. Knowledge reuse
12.	QN=12 Which of the following is not an objective of domain understanding and requirements elicitation stage?  a. Understanding the system-as-is b. Identify the problem and opportunities calling for q new system c. Discover the expectations of stakeholders with respect to the new system d. Explore alternative ways to develop the new system that could address those needs e. Select the preferred proposal system
13.	QN=13 shows aspects related to software b functionalities. a. A Software prototypes b. A functional prototypes c. A user interface prototypes d. Screen mock-ups
14.	is the requirement document item, which c stating a problem world feature in a way that can not be precisely compared with alternative options, or can not be tested or verified in machine solution a Omission b Inadequacy c Immeasurability d Noise
15.	QN=2, the system as it should be when the machine will be built and operated in it'— W0

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	c. system-to-be-next d. system-as-is	
16.	QN=3 The machine's software to be developed or modified is just one component of the system-to-be that refers to a. software-as-is b. software-to-be c. system-to-be-next d. system-as-is	b
17.	QN=4 Components pertaining to the machine's surrounding world will form a. Environment of system-to-be b. Environment of system-as-is c. Environment of software-as-is d. Environment of software-to-be	d
18.	QN=5 In a project, a brand new software solution is built from scratch to address problems with the system-as-is and exploit new opportunities from technology evolution or market conditions. a. greenfield b. customer-driven c. brownfield d. market-driven	a
19.	QN=6 Requirements engineering is a. the processes involved in developing system design b. the processes involved in developing system documents c. the processes involved in developing and verifying system d. the processes involved in developing system requirements	d
20.	QN=7refer to "the contextual reasons for a new version of a system must be made explicit in terms of objectives" to be satisfied by	С

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	<ul><li>a. the WHAT dimension</li><li>b. the WHO dimension</li><li>c. the WHY dimension</li><li>d. the HOW dimension</li></ul>	
21.	QN=8 Which of the following is not a stage of requirement engineering process? a. Domain understanding and elicitation b. Evaluation and Negotiation c. Specification and documentation d. Requirement Traceability	d
22.	QN=9 addresses the assignment of responsibilities for achieving the objectives, services, and constraints among the components of the system-to-be a. the WHAT dimension b. the WHO dimension c. the WHY dimension d. the HOW dimension	b
23.	QN=10 Statements state properties about the system that hold regardless of how the system behaves. Such properties hold typically because of some natural law or physical constraint.  a. Descriptive b. Description c. Prescriptive d. Prescription	a
24.	QN=11 The following statement is an example ofstatement:  - The same book copy can not be borrowed by two different people at the same time.  a. Prescriptive b. Descriptive c. Description d. Prescription	b
25		•

U	Study online at https://quizlet.com/	/_6dgltw	
		nents state desirable prop- nat may hold or not depend- res	
26.	which cannot be realistic	requirement document item, ally implemented within asor development platform.	d
27.	QN=1 The target of	on ation	b
28.	QN=2 Which of the follow inconsistency of requirer a. Terminology clash b. Designation clash c. Inconsistency manager d. Structure clash	nents?	C
29.	can not be satisfied when	These are statements that taken together; their logical false in all circumstances. ence	d
30.			b

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**SWR302-1** 

	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	QN=4 The following sample statement is a statement.	
	The staff's viewpoint in our library system might state, 'a borrower should return a borrowed book copy within two weeks'. A stakeholder having the borrower's viewpoint might state, 'a borrower should keep a borrowed book copy as long as he or she needs it'.  a. Strong conflict b. Weak conflict or divergence c. Structure clash d. Designation clash	
31.	QN=5 Risk management process contains the following stages, except for a. Risk identification b. Risk assessment c. Risk resolution d. Risk control	C
32.	QN=6 The goals of risk assessment is to assess likelihood of risks,, likelihood of consequences, to control high-priority risks a. risk severity b. risk resolution c. risk control d. risk management	a
33.	QN=7 Assume that risk (r) only cause one consequence (c). Give Likelihood (c) = 0.7, Severity (c) = 5, cost(cm) = 0.5. Exposure(r) = a. 1.15	b

a

b. 3.5 c. 2.5 d. 0.35

a. Risk control

34.

- b. Risk assessment
- c. Risk management
- d. Risk identification
- 35. QN=9 Which of the following items are not exploring d risk countermeasures techniques?
  - a. Using elicitation techniques
  - b. Reusing known countermeasures
  - c. Using risk reduction tactics
  - d. Using design methodologies
- 36. QN=10 Which of the following items is not a step in the process of risk management with DDP for RE?
  - a. Elaborate the Impact matrix
  - b. Elaborate the Effectiveness matrix
  - c. Determine optimal balance risk reduction vs. countermeasure cost
  - d. Quantitative reasoning for evaluating options
- 37. QN=11 Give Evaluation Criteria (NFRs) of scheduling b Meeting program to quantitative reasoning for evaluation options as below:
  - Fast responds: (Significance weighting: 0.30; Option

1 score: 0.40)

- Realizable response: (Significance weighting: 0.50;

Option 1 score: 0.80)

- Minimal inconvenience: (Significance weighting:

0.10; Option 1 score: 0.30)

Which of the following is a total score of option 1?

a. 0.52

b. 0.55

c. 0.57

d. 0.5

38. QN=12 Which of the following items is a range of es- a timated score percentage of option (opt) on criterion (crit): Score (opt, crit)?

a. 0-->1

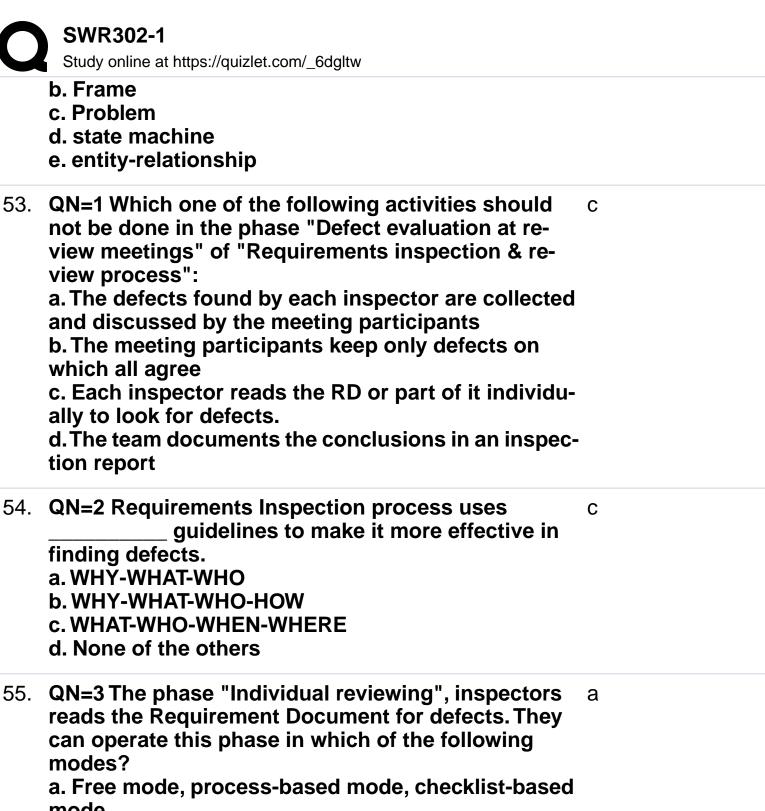
Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	b. 0>0.99 c. 0>10 d. 0>100	
39.	QN=13 Which of the following items is not a step of Value-cost prioritization process? a. Estimate relative contribution of each requirement to project's value b. Estimate relative contribution of each requirement to project's cost c. Plot relative contributions on value-cost diagram d. Build comparison matrix	
40.	QN=1 ER diagram is made from three core constructs: entities, and relationships. a. Classes b. Methods c. Objects d. Attributes	d
41.	QN=2 State machine diagram is made by two core constructs: a. States, Relationships b. States, Associations c. States, Transitions d. States, Operations	C
42.	QN=3 The data-activity duality principle requires actigram items to have some in a datagram, and vice versa. a. Countermeasures b. Counterparts c. Opponents d. Companions	b
43.	QN=4 Actigrams (Datagrams) declare activities (data) by their input/output data (producing/consuming activities) and interconnect them through data () dependency links. a. Action	d

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	b. Value c. Data d. Control	
44.	QN=5 In Figure 4.9, "DetermineSchedule - < <include>&gt; - ResolveConflicts" means: a. ResolveConflicts is a 'sub-operation' of DetermineSchedule. b. ResolveConflicts is an 'alternative-operation' of DetermineSchedule.</include>	a
45.	QN=6 In Figure 4.9, "DenyRequest - < <extend>&gt; - AskConstraints" means: a. DenyRequest is a sub-operation of AskConstraints. b. DenyRequest is an alternative operation of AskConstraints. c. DenyRequest is an alternative operation of AskConstraints, when the condition named Unauthorized holds. d. None of the others</extend>	C
46.	QN=7 Figure 4.10 shows an Event Trace Diagram specifying a meeting scheduling scenario. The first event is meetingRequest, by an Initiator instance and by a Scheduler instance. a. controlled/monitored b. monitored/controlled c. requested/responded d. responded/requested	a
47.	QN=8 In state machine diagram, the event occurrence is a condition for transition firing, whereas a guard is a condition for firing. a. sufficient/necessary b. necessary/sufficient	a

U	Study online at https://quizlet.com/_6dgltw	
48.	In figure 4.11, the "Planning" state (source state) changes to "MeetingScheduled" state (target state) if (the event) occurs and only if (the guard condition) is true. a. scheduleDetermination/[No conflicts] b. [No conflicts]/scheduleDetermination	а
49.	QN=10 In figure 4.15, the ER diagram is a confusing requirement. a. True b. False	а
50.	QN=11 A is captured by a sequence of state transitions for the system items that the component control a. Behavior b. State c. SM state transition d. SM trace e. SM State	a
51.	QN=12 Which of the following are differences of problem diagram comparing with context diagram?  a. A rectangle with double vertical stripe represent the machine to be built  b. A rectangle with a single vertical stripe represent the component to be designed  c. Shared phenomena are controlled/monitored by components  d. An interface can be declared separately the exclamation mark after a component name prefixing	abd
52.	QN=13 A diagram can be further detailed by indicating explicitly which component controls a shared phenomena, which component constitutes the machine needs to be built, and which components are affected by which requirements.  a. context	d

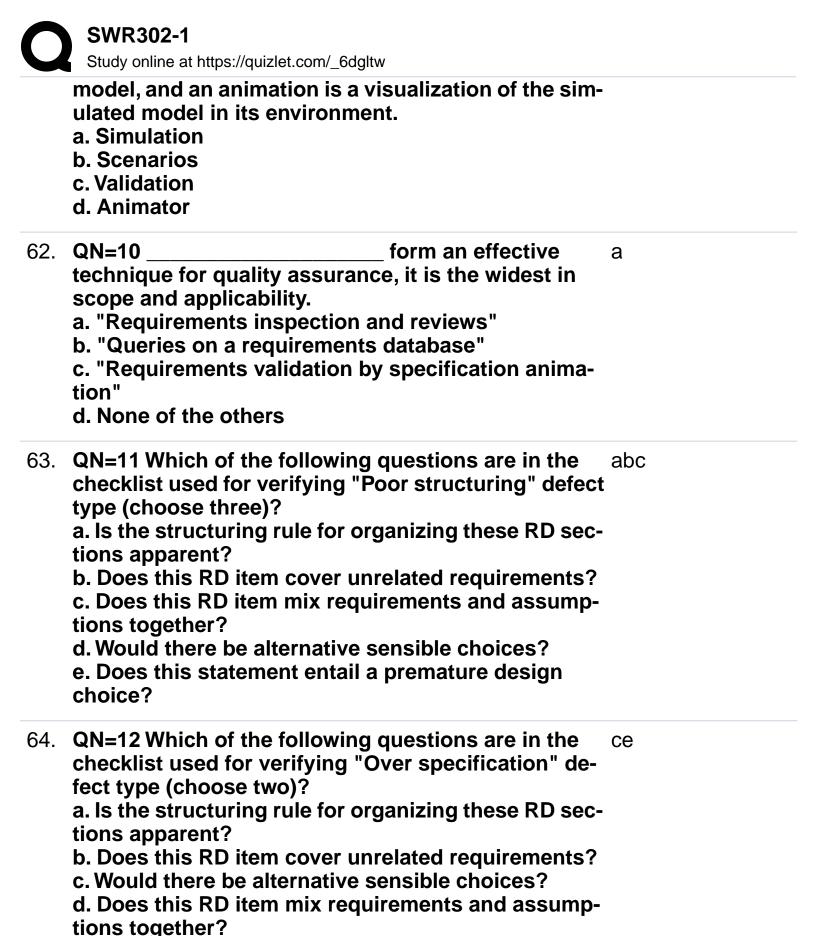
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**SWR302-1** 



- mode
- b. Free mode, guideline-based mode, checklist-based mode
- c. Free mode, guideline-based mode, process-based mode
- d. Free mode and checklist-based mode
- 56. QN=4 Because the requirements errors are the most b expensive, numerous and persistent software er-

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw
	rors, so "requirements inspection & review process" should be applied as soon as possible. a. TRUE b. FALSE
57.	QN=5 "Queries on a requirements database" tech- nique for "Requirements quality assurance" work on parts of the Requirements Document that are speci- fied in terms of the a. Structured natural language b. Unrestricted natural language c. Diagrammatic notations d. None of the others
58.	QN=6 Which one of the following modes of individual b reviewing rely on lists of specific issues to address while searching for defects? a. Checklist-based mode b. Checklist-based and Process-based modes c. Free mode d. None of the others
59.	QN=7 Domain-specific checklists specialize the defect-based ones to the specific constructs of the structured, semi-format or formal specification language used in the requirement document.  a. TRUE  b. FALSE
60.	QN=8 For a binary decision table with N entry condi- a tions, there must be columns for the table to list all possible combinations of conditions exhaustively. a. 2^N b. 2xN c. N^2 d. None of the others
61.	QN=9 In requirements validation by specification an- a imation, the is an execution of the software



e. Does this statement entail a premature design

choice?

U	Study online at https://quizlet.com/_6dgltw	
65.	QN=13 Which of the following questions are in the checklist used for verifying "Ambiguity" defect type (choose two)?  a. Can this statement be interpreted differently in different relevant contexts?  b. Is the structuring rule for organizing these RD sections apparent?  c. Are there other statements using this term with different meaning?  d. Does this RD item cover unrelated requirements?  e. Does this RD item mix requirements and assumptions together?	ac
66.	QN=1 Which one of the following links is not a traceability type? a. Anticipation link b. Use link c. Revision link d. Variant link e. Derivation link f. Dependency li	A
67.	QN=2 Traceability relies on the existence of between items that we can follow backwards, towards source items, and forwards, towards target items. a. Dependency links b. Transitions c. Associations d. None of the others	a
68.	QN=3 To document assumption and requirement changes, we may assign qualitative levels of to the statements, or levels of in the case of multiple variants. a. Stability / Commonality b. Revisions / Variants c. Derivations / Dependencies d. None of the others	a

SWR302-1

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69.	QN=4 In "Traceability management process", which one of the following phases is concerned with four issues: the link granularity, link semantic richness, link accuracy and link overhead?  a. Define traceability policy b. Establish traceability links c. Exploit traceability links d. Maintain traceability links
70.	QN=5 Which one of the following activities should be b done in "Change evaluation & prioritization" phase of "Change Control" process?  a. The team in charge of the project handles all approved changes to produce a new system version.

"Change Control" process?

a. The team in charge of the project handles all approved changes to produce a new system version.

b. The review board is responsible to assess the merits, feasibility and cost of the proposed changes in the change request. Some proposed changes are approved, others are rejected and others are deferred.

c. The team in charge of project maintains a wishlist of possible changes. At certain time intervals, the team consolidates the wishlist into a change request.

d. None of the others.

71. QN=6 Dependency is the most general type of trace- a ability link that can be specialized into \_\_\_\_ and \_\_\_ links within a single version.

- a. Use / Derivation
- b. Variant / Revision
- c. Revision / Derivation
- d. None of the others
- 72. QN=7 Traceability management process composes of c 4 phases:
  - a) Exploit traceability links
  - b) Establish traceability links
  - c) Maintain traceability links
  - d) Define traceability policy

Which one is the appropriate order of these phases:

a. a, b, c, d

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	b. b, a, c, d c. d, b, a, c d. d, c, a, b
73.	QN=8 Traceability management refers to the process d of establishing, recording, exploiting and maintaining traceability in a traceability a. Lines / Graph b. Relationships / Graph c. Connections / Graph d. Links / Graph
74.	QN=9 requires us to identify likely a changes, assess their likelihood and document them in the Requirement Document. a. Change anticipation b. Change assessment c. Change validation d. None of the others
75.	QN=10 In a Change Control process, the necessity, be feasibility, benefits, impact and cost of the requested changes are evaluated by a a. Inspector b. Review board c. Stakeholder d. None of the others
76.	QN=11 Which of the following actions does the review abc board need to do when reviewing changes of requirements (Choose three)?  a. Understand the context of the requested change.  b. Assess the benefits of proposed change.  c. Estimate the cost and feasibility of the changes  d. Maintains a wishlist of possible changes (identified by insiders or collected from outsiders)  e. Consolidates the wishlist into a change request
77.	QN=12 Which of the following are activities to be done acd

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw
	process (choose three)? a. Baselining of the new versio ing among project members ur

- n of the RD for sharntil the next version is
- baselined
- b. Prioritize the accepted changes.
- c. Forward propagation of all RD changes downward to software lifecycle items along vertical links of traceability graph.
- d. Updating of the traceability graph.
- e. Detect potential conflicts among the proposed changes.
- 78. QN=13 Which of the following are activities to be done be in "Change Evaluation and prioritization" stage of change control process (choose two)?
  - a. Baselining of the new version of the RD for sharing among project members until the next version is baselined
  - b. Prioritize the accepted changes.
  - c. Forward propagation of all RD changes downward to software lifecycle items along vertical links of traceability graph.
  - d. Updating of the traceability graph.
  - e. Detect potential conflicts among the proposed changes.
- QN=1 Unlike domain properties and 79. may be refined, negotiated, assigned as responsibilities to agents and transformed in case of conflict or overexposure to risks.
  - a. assumptions
  - b. expectations
  - c. requirements
  - d. hypotheses
- QN=2 Behavioral goals are used for building 80. a specifications of the system. a. Operational

  - b. Non-functional

	SWR302-1
	Study online at https://quizlet.com/_6dgltw  c. Critical d. None of the others
81.	QN=3 An expectation is a goal assigned to a single bagent of the a. problem world b. environment c. system-to-be d. system-as-is
82.	QN=4 Which one of the following statements is a "soft c goal"?  a. If a book is requested then within a week a copy of the book is borrowed by the requesting patron.  b. If a train is at a platform then within 5 minutes the train is at the next platform.  c. The meeting scheduler software should be easy to use by administrative staff.  d. If a meeting is requested then sooner-or-later the meeting takes place and is attended by all important invited participants.
83.	QN=5 are used as criteria for selecting sys- d tem options among multiple alternatives. a. Maintain goals b. Avoid goals c. Achieve goals d. Soft goals
84.	QN=6 Goals are generally found by top-down of higher-level concerns and by bottom-up from lower-level material such as scenario examples and operational descriptions. a. Refinement / abstraction b. Abstraction / refinement c. Generalization / specialization d. Specialization / generalization
85.	QN=7 In the goal model, the finer-grained a goal is, d the are required to satisfy it.

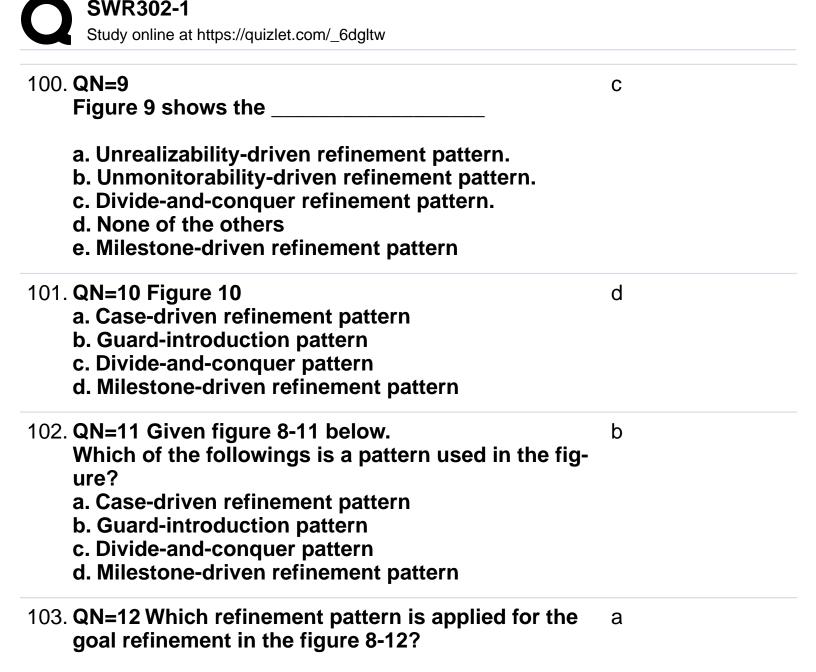
Q	SWR302-1 Study online at https://quizlet.com/_6dgltw
	<ul><li>a. fewer requirements</li><li>b. better agents</li><li>c. more agents</li><li>d. fewer agents</li></ul>
86.	QN=8 Goals provide a basic abstraction for address- a ing the dimension of requirements engineering. a. WHY b. WHO c. WHAT d. HOW
87.	QN=9 Goals provide a precise for require- d ments completeness and pertinence. a. Evidence b. Criterion c. Tool d. Role
88.	QN=10 A goal refinement graph show the refinement c and contribution links among goals appear as leaf nodes in this graph. a. Soft goals b. Domain properties c. Requirements d. Behavior goals
89.	QN=11 Which of the following items are not non-func- ae tional goals (Choose two)? a. Information b. Compliance c. Safety d. Security e. Satisfaction
90.	QN=12 prescribe different types of pro- c tection of agent assets against unintended behav-

iors.

a. Accuracy goals

	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	b. Information goals c. Security goals d. Stimulus-response goals	
91.	QN=13 refers to the use of goals for requirements elicitation, evaluation, negotiation, elaboration, structuring, documentation, analysis and evolution. a. Goal b. Goal-oriented RE c. Requirement Engineering d. Requirement Management	b
92.	QN=1 An AND-refinement states that the parent goal can be satisfied by satisfying sub-goals in the refinement. a. one of b. all c. some of	b
93.	QN=2 An AND-refinement of a goal G into sub-goals G1, G2,, Gn should be a. Complete, inconsistent, minimal b. Complete, accuracy, coverage c. Complete, consistent, minimal d. None of others	C
94.	QN=3 Which one of the following statements about the leaf nodes in goals refinement trees is false? a. They are nodes that need not be refined further. b. They are nodes whose responsibility can be assigned to single software agents. c. They are nodes whose responsibility can be assigned to single environment agents. d. They can not be domain properties or hypotheses.	d
95.	QN=4 The goal model captures and a. responsibility links between goals and conceptual objects b. obstruction links between goals and obstacles	ac

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	c. reference links from goals to system agents d. operationalization links between goals and system operations e. coverage links between goals and scenarios	
96.	QN=5 To start building a goal model, we may obtain goals. Once these goals are obtained, we may build refinement and abstraction paths in a goal diagram a. Behaviour b. Soft c. Critical d. Preliminary	d
97.	QN=6 The goals G1, G2,, Gn are divergent in a domain Dom if we can find a feasible boundary condition B under which the goals cannot satisfied the arguments a. {G1, G2,, Gn, B, Dom}  = true b. {G1, G2,, Gn, B, Dom}  = false c. {G1, G2,, Gn, B, Dom}  = G d. {G1, G2,, Gn, B, Dom}  ` G	b
98.	QN=7 A goal model makes it possible to capture alternative options a. only one kind of (Alternative goal refinements) b. two kinds of (Alternative goal refinements, Alternative responsibility assignments) c. three kinds of (Alternative goal refinements, Alternative goal contributions, Alternative responsibility assignments) d. None of the others	b
99.	QN=8 We can build refinement and abstraction paths in a goal diagram by recursively asking and questions about available goals, respectively a. WHY / HOW b. WHY / WHAT c. HOW / WHY d. WHAT / WHY	С



[CopyBorrowedIfAvailable]

Def A book has a copy available for the requesting borrower

## [CopyDueSoonIfNotAvailable]

Def A book without any copy available for loan shall have a copy available within 15 days for the requesting borrower

- a. Case-driven refinement pattern
- b. Guard-introduction pattern

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	c. Divide-and-conquer pattern d. Milestone-driven refinement pattern	
104.	QN=13 Peter is responsible for goals discovery in RE. He uses some words like "in order to, so as to, so that, etc." to search goals in documents. Which of the followings is a Heuristic rules that Peter is using? a. Analyze current objectives & problems in system-as-is b. Search for goal-related keywords c. Instantiate goal categories d. By abstraction e. By refinement	b
105.	QN=1 Obstacle analysis is a of risk analysis aimed at identifying, assessing and resolving the possibilities of breaking assertions in the system's goal mod a. assertion-based form b. goal-based form c. obstacle-based form d. requirement-based form	b
106.	QN=2 An obstacle is a pre-condition for of some goal, hypothesis or questionable domain property used in the goal model. a. satisfaction b. non-satisfaction c. Weakness d. Divergent	b
107.	QN=3 Goals and obstacles are dual notions. Therefore, we can derive obstacle categories from a. Goals b. Goal model c. Goal categories d. Goal obstructions	C
108.	QN=4 In obstacle diagram, leaf obstacles are connected to countermeasure goals through	d

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U	Study online at https://quizlet.com/_6dgltw	
	a. Responsibility links b. Realizability links c. Feasibility links d. Resolution links	
109.	QN=5 Goal obstruction propagates along goal AND-refinement trees a. top-down b. bottom-up	b
110.	QN=6 not (if A then B) amounts to: a. not A and not B b. A and not B c. not A and B d. not A or not B	b
111.	QN=7 Like in any risk management process, obstacle analysis is an iteration of cycles. a. Elicit - Evaluate - Control b. Identify - Assess - Control c. Plan - review - evaluate - consolidate d. None of the others	b
112.	QN=8 An AND-refinement of obstacle O into sub-obstacles O1, O2,, On should meet the following conditions:  1) {O1, O2,, On, Dom}  ` false complete AND-refinement 2) {O1, O2,, On, Dom}  = O consistent AND-refinement 3) {O1,, O(j-1), O(j+1),, On, Dom}  ` O minimal	

a. 1 & 2

b. 1 & 3

c. 2 & 3

d. All of arguments are true

Which pair of the arguments is wrong?

113.

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	QN=9 Which one is the "domain completeness" condition for OR-refinement of obstacle O into alternative sub-obstacles Oi: a. {Oi, Dom}  ` false. b. {Oi, Dom}  = O c. {not O1, not O2,, not On, Dom}  = not O d. {Oi, Oj, Dom}  = false (i ` j)	
114.	QN=10 figure 9.9 - Breaking goals and domain hypotheses in the airbus A320 braking logic (A) / (B) should be. a. Not ReverseThrustEnabled / Not WheelsTurning b. ReverseThrustEnabled And Not WheelsTurning / WheelsTurning And Not ReverseThrustEnabled c. ReverseThrustEnabled IF WheelsTurning / Wheel- sTurning IF Not ReverseThrustEnabled d. None of the others	b
115.	QN=11 Obstacles completeness can show about and (Choose two) a. what we know about the domain and how adequate our knowledge is b. existential property capturing unadmissible behavior (negative scenario) c. obstacle analysis may help elicit and validate relevant domain properties d. condition on system for violation of corresponding assertion	ac
116.	QN=12 Which conditions does a statement about an obstacle to an assertion need to meet?  a. {not O1,, not On, Dom }  = G  b. {O, Dom }  = not G  c. {O, Dom }  ` false	bcd

d. O can be satisfied by some system behavior

117. QN=13 OR-refinement of obstacle O should be ... abde

a. {subOi, Dom } |= Ob. {subOi, subOj, Dom } |= false

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	<ul> <li>c. {subO1,, subOj-1, subOj+1 ,, subOn, Dom }  = O</li> <li>d. {not subO1,, not subOn, Dom }  = not O</li> <li>e. {subOi, Dom }  ` false</li> </ul>	
118.	QN=1 An object model provides a of the system-as-is and system-to-be. a. Intentional view b. Functional view c. structural view d. behavioral view	C
119.	QN=2 A/an is a discrete set of instances of a domain-specific concept that are manipulated by the modelled system a. System state b. State variable c. Object class d. Conceptual object	d
120.	QN=3 The features shared by object instances include. a. common vocabularies, glossary of terms, object's attributes and definition b. goals, agents, operations and behavior models c. object's definition, type, individual attributes, associations, domain invariants d. None of the others	C
121.	QN=4 An entity is a. An autonomous and active object b. A conceptual object dependent on other objects that it links. c. An instantaneous object d. None of the others	d
122.	QN=5 The association is also called under synonymous term a. 'relation' b. 'relationship'	b

Q	SWR302-1 Study online at https://quizlet.com/_6dgltw	
	c. 'linked object' d. none of the others	
123.	QN=6 Each linked object in an association plays specific in the association a. Relation b. Role c. Link d. none of the others	b
124.	QN=7 The multiplicity on one side of an association specifies the minimum and maximum number of object instances on that may be associated. a. the other side b. this side c. both sides d. None of the others	b
125.	QN=8 An attribute is a. An intrinsic feature of an object regardless of other objects in the model b. A relevant feature of an object, including the association with other objects in the model c. A quantitative feature of an object d. none of the others	a
126.	QN=9 A specialization link may be introduced in a model between an object SubOb and an object SuperOb if every current instance of is a current instance of as well.  a. SuperOb / SubOb b. SubOb / SuperOb	b
127.	QN=10 In specialization, the object SubOb plays the role whereas the object SuperOb plays the inverse role a. Generalizes / Specializes b. Specializes / Generalizes c. IsA / SubClassOf d. SubClassOf / IsA	b

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	c. An agent controls an attribute of an object if its instances can set values for this attribute on object instances d. An agent controls an association if its instances can create and delete association instances	
133.	QN=4 A goal under the responsibility of an agent must be realizable by the agent in view of its  a. Responsibilities b. Capabilities c. Realizabilities d. None of the others	b
134.	QN=5 Agent capabilities are defined in terms of the system variables that the agent can and a. Assign / evaluate b. Specify / realize c. Monitor / control d. none of the others	
135.	QN=6 In figure 11.4, what is the name of the annotation attached to the link between the agent and the operation in the agent model? a. Responsibility instance declaration b. Capability instance declaration c. Performance instance declaration d. none of the others	C
136.	QN=7 Which one of the following statements is the definition of "capability instance declaration" (CID)?. a. It annotating a performance link in an agent diagram makes precise which agent instance is performing the operation on which input/output object instance b. It annotating a monitoring or control link makes precise which agent instance is monitoring or controlling the attribute/association of which object in-	b

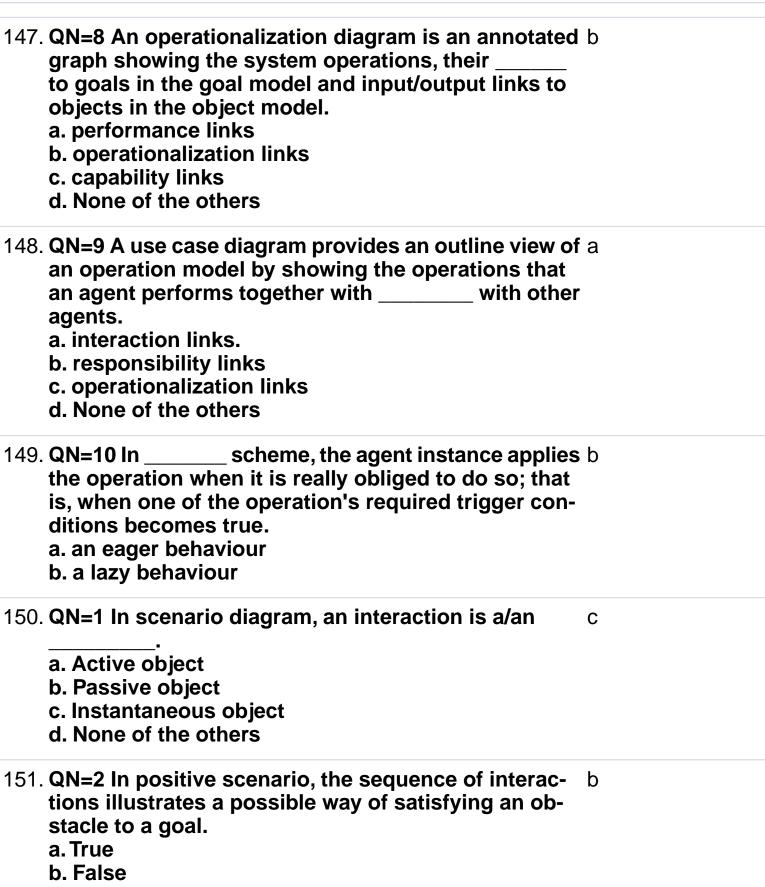
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	c. It annotating a responsibility link in an agent diagram makes it precise which agent instance is responsible for which goal instantiation to specific object instances d. None of the others	
137.	QN=8 In the agent model, an agent ag1 is said to depend on another agent ag2 for a goal G under the responsibility of ag2, if's failure to get G satisfied can result in's failure to get one of its assigned goals satisfied a. ag1 / ag2 b. ag2 / ag1	b
138.	QN=9 What is an agent-goal co-refinement process? a. A process in which an agent and its assigned goals are refined in parallel into finer-grained agents, sub-goals and responsibility assignments b. A process in which agents and assigned goals are generalized in parallel into coarse-grained agents and abstract goals c. Both of above statements are wrong	a
139.	QN=10 In figure 11.6, "Train" and "TrainInfo" are classified as a. Agents b. Events c. Entities d. Associations	C
140.	QN=1 A/An designates an object instance to which the operation applies. The state of this instance affects the application of the operation.  a. State variable b. Input variable c. Out variable d. None of the others	b
141.	QN=2 A particular application of the operation yields a state from a state in InputState to a state	С

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	in OutputState. a. transformation b. exchange c. transition d. none of the others	
142.	QN=3 Domain pre- and post-conditions are prescriptive. a. True b. False	b
143.	QN=4 The specification of an operation therefore includes a set of prescriptive conditions on operation applications. These conditions are aimed at ensuring that  a. the operation is dependent on the goals b. the goals underlying the operation are satisfied c. the operation associates with the goals d. None of the others	b
144.	QN=5 Which one of the following statements about required condition is true? a. Required pre-condition captures an obligation. b. Required trigger condition captures an additional effect. c. Required post-condition captures a permission. d. none of the others	d
145.	QN=6 The operation is not applied if a trigger condition becomes true in a state where the operation's domain pre-condition is not true.	a

- a. True
- b. False
- 146. QN=7 Which one of the following statements is false? c
  - a. An operation may operationalizes multiple goals.
  - b. A goal may be operationalized by multiple operations.
  - c. Multiple agents perform an operation.
  - d. An agent may perform multiple operations.

152.



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	QN=3 External events: the agent associated with the State Machine does not controls. a. True b. False	
153.	QN=4 In an SM diagram, a transition is labelled by from a source state to a target state. a. an event b. an action c. an operation d. None of the others	a
154.	QN=5 Which one of the following statements about required condition is true? In a state machine diagram, a guard condition captures a condition for state transition.  a. necessary b. sufficient	a
155.	QN=6 The initial states of the instance correspond to the states where it disappears from the system. a. True b. False	b
156.	QN=7 In figure 13.6, the pair of object instances [PatrID, self] is called: a. the parameters of event checkOut b. the attributes of event checkOut c. the guard conditions of event checkOut d. None of the others.	b
157.	QN=8 For stepwise refinement of a state diagram, we decompose a state into sequential or parallel	a

а

sub-states.

a. true b. false

158.

- 159. QN=10 A scenario is a temporal sequence of interac- b tion events among agent.
  - a. True
  - b. False
- 160. QN=11 Which of the followings are not strengths of congoal model?
  - a. satisfaction arguments
  - b. concrete examples
  - c. expressive (functional, non-functional; alternative options)
  - d. acceptance test data
- 161. QN=12 Which of the followings are strengths of state bd machines model?
  - a. expressive (functional, non-functional; alternative options)
  - b. visual abstraction of explicit behaviors of any agent instance in a class
  - c. acceptance test data
  - d. code generation
- 162. QN=13 Which of the following are semantic rules used to define sequential state decomposition?

  a. The instance modelled by the diagram is in the super-state if and only if it is in one (and only one) of the sequential sub-states
  - b. The instance modelled by the diagram is in the super-state if and only if it is in each of the concurrent sub-states
  - c. An incoming transition to the super-state is by default inherited by every sequential sub-states as an incoming transition to it.
- 163. QN=1 A meta-model is a conceptual model for the b meta-level, the highest level, thus consisting of con-

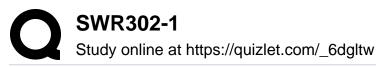
cepts, relationships, attributes and constraints defined in all levels (meta-, domain- and instance-level).

- a. True
- b. False
- 164. QN=2 System model is made up of five views. Which done of the following view captured by goal model:
  - a. Structural view
  - b. Functional view
  - c. Behavioural view
  - d. None of the others
- 165. QN=3 The instance level is made of concepts that are b instances of meta-level abstractions.
  - a. True
  - b. False
- 166. QN=4 Two meta-attributes are mandatory for any c meta-concept whatever view it refers to:
  - a. "Name" and "Category"
  - b. "Identifier" and "Name"
  - c. "Name" and "Def"
  - d. "Identifier" and "Issue"
- 167. QN=5 In figure 14.4, which one of the following word a is the name of (A):
  - a. Association
  - b. Relationship.
  - c. ConceptualObject.
  - d. None of the others.
- 168. QN=6 In figure 14.6, which one of the following word b is the name of (B):
  - a. Responsibility
  - b. Operationalization
  - c. Performance
  - d. Capability
- 169. QN=7 In figure 14.7, which one of the following word a is the name of (C):

174. QN=12 All of the following statements about structur- b al consistency of the goal and behavior models are

object model

d. Every goal in the goal model must be existent in the



## incorrect, EXCEPT?

- a. Every conceptual item referred to in a goal specification in the goal model must appear as an attribute or action in the behavior model
- b. Every scenario in the behavior model must be covered by at least one goal in the goal model
- c. For every SM state in the goal model, there must be at least one goal in the goal model refer to it
- d. Every goal in the goal model must concern at least an action or an event in the behavior model