Medicaps University
Oral Examination December - 2021

Paper Code: CS3CO26
Paper Name:SOFTWARE ENGINEERING

From Each Unit: Minimum 120 questions and as many as possible, if it is 240 questions and more it will be well

Sl No	Unit	Question No	Question
1	**I**	1	What is software?
2	**I**	2	Give types of software.
3	**I**	3	What is importance of software?
4	**I**	4	Define system software with example.
5	**I**	5	Define application software with example.
6	**I**	6	Define generic software with example.
7	**I**	7	Define custom software with example.
8	**I**	8	Give the characteristics of software.
9	**I**	9	Define software engineering.
10	**I**	10	Why we study software engineering?
11	**I**	11	Give name of different layers of software engineering layered technology
12	**I**	12	What is quality focus?
13	**I**	13	Define methods?
14	**I**	14	Define tools
15	**I**	15	What is software engineering process?
16	**I**	16	What is process?
17	**I**	17	Describe software specification?
18	**I**	18	Describe software development?
19	**I**	19	Describe software validation?
20	**I**	20	Describe software evolution?
21	**I**	21	Define software product with example?
22	**I**	22	Give the difference between program and product?
23	**I**	23	What is operating procedures in software product?
24	**I**	24	What are the uses of software engineering?
25	**I**	25	Describes software engineering goals?
26	**I**	26	What is the meaning of satisfy user requirement?
27	**I**	27	What is the meaning of high reliability?
28	**I**	28	what is need of software engineering?
29	**I**	29	what are characteristics of good software?
30	**I**	30	what is software engieering evolution?
31	**I**	31	what is impact analysis in evolution?
32	**I**	32	what is release planning in evolution?
33	**I**	33	what is system update in evolution?
34	**I**	34	what is system releases in evolution?
35	**I**	35	what is change request in evolution?
36	**I**	36	what do you mean by software mythes?

37	**I**	37	what is management mythes?
38	**I**	38	what is customer mythes?
39	**I**	39	what is practitioner's mythes?
40	**I**	40	what is the differenct between software mythes and reality?
41	**I**	41	software is developed or engieered ;it is not manufactured in the classical sense?
42	**I**	42	what are the attributes of software?
43	**I**	43	what is maintainability?
44	**I**	44	what is dependabiltiy?
45	**I**	45	what is efficiency?
46	**I**	46	what is usabiltiy?
47	**I**	47	what is the meaning of discipline in software engieering?
48	**I**	48	describe ease of reuse concept?
49	**I**	49	A Software consists of _____ .
50	**I**	50	difference between program and software?
51	**I**	51	define system?
52	**I**	52	what is role of comuter programmmer?
53	**I**	53	what is role of customer?
54	**I**	54	what is role of software engineer?
55	**I**	55	what is generic process model?
56	**I**	56	what are the phases of process model?
57	**I**	57	why we use process model?
58	**I**	58	describe communication?
59	**I**	59	Describe planning?
60	**I**	60	Describe modeling?
61	**I**	61	Describe construction?
62	**I**	62	Describe deployment?
63	**I**	63	Give benefits of generic process model?
64	**I**	64	what is the full form of ISO?
65	**I**	65	why ISO is used?
66	**I**	66	what is the meaning of "BEDROCK"
67	**I**	67	Which is the Layered Technology in Bedrock that supports Software Engineering?
68	**I**	68	Purpose of process is to deliver software
69	**I**	69	_____ is a piece of programming code which performs a well defined task.
70	**I**	70	what is advantage of using pre-written software packages?
71	**I**	71	Define Framework.
72	**I**	72	What are the characteristics of the software
73	**I**	73	Explain about generic process model
74	**I**	74	What are the various categories of software
75	**I**	75	What do you mean by process?
76	**I**	76	How we can specify software specification?
77	**I**	77	Explain the basic step of software development?

78	**I**	78	Software validation can be defined as?
79	**I**	79	How we can define software evolution?
80	**I**	80	define software product with example?
81	**I**	81	What are the challenges in software
82	**I**	82	What are the internal milestones
83	**I**	83	What is the limitation of RAD Model
84	**I**	84	Name the Evolutionary process Models.
85	**I**	85	Define Software Prototyping.
86	**I**	86	What are the uses of User-Interface Prototyping
87	**I**	87	What is the principle of the prototype model
88	**I**	88	Define Quality Function Deployment (QFD)
89	**I**	89	What is Requirement Engineering
90	**I**	90	What is ERD?
91	**I**	91	What is DFD
92	**I**	92	What is a state transition diagram
93	**I**	93	What is Software Quality Assurance
94	**I**	94	Explain Water fall Model
95	**I**	95	What are the problems that are sometimes encountered when the waterfall model is applied
96	**I**	96	Which is more important-the product or process
97	**I**	97	Explain System Engineering hierarchy
98	**I**	98	Explain Component Based Development model in detail.
99	**I**	99	Explain the spiral model?
100	**I**	100	What is the task region in the spiral model
101	**I**	101	What are the necessities of Life cycle model
102	**I**	102	How does system engineering differ from software engineering
103	**I**	103	Differentiate product engineering and business engineering overview
104	**I**	104	Explain the process model that combines the element of waterfall and iterative fashion
105	**I**	105	What is meant by feasibility study
106	**I**	106	What is meant by requirement validation
107	**I**	107	What is meant by Requirement management
108	**I**	108	What is meant by software prototyping
109	**I**	109	Mention any two non-functional requirements on software to be developed.
110	**I**	110	Differentiate data flow diagram and state transition diagram.
111	**I**	111	Define cardinality and Modality of a relation.
112	**I**	112	Compare evolutionary and throw away prototyping?
113	**I**	113	List out the elements of analysis model?
114	**I**	114	What are all the information in data dictionary
115	**I**	115	Why modularity is important in data dictionary
116	**I**	116	Specify at least four questionnaire which supports to select the prototyping approach.
117	**I**	117	What is the role of data dictionary?

118	**I**	118	Define Behavioral Modeling.
119	**I**	119	What does data dictionary contains?
120	**I**	120	What is meant by Throw away Prototyping?
121	**II**	1	Why is it so difficult to gain a clear understanding of what the customer wants?
122	**II**	2	What is the purpose of domain analysis?
123	**II**	3	What is the major distinction between user requirements and system requirements?
124	**II**	4	Explain about rapid prototyping techniques.
125	**II**	5	Why customer iteration is difficult process?
126	**II**	6	Describe the primary difference between structured analysis and object oriented analysis.
127	**II**	7	Differentiate functional and non functional requirements
128	**II**	8	What is the benefit of modular design?
129	**II**	9	What is vertical partitioning?
130	**II**	10	List the guidelines for data design
131	**II**	11	Name the commonly used architectural styles.
132	**II**	12	What is Transform mapping?
133	**II**	13	Define real time system.
134	**II**	14	Define Baseline.
135	**II**	15	What are the various testing strategies for conventional software
136	**II**	16	State the objectives and guidelines for debugging.
137	**II**	17	What is the need for cyclomatic complexity?
138	**II**	18	What is called as glass box testing?
139	**II**	19	What are the conditions exists after performing validation testing
140	**II**	20	What is cyclomatic complexity
141	**II**	21	What is requirement elicitation?
142	**II**	22	who involve in requirement elicitation process?
143	**II**	23	Who is Business Analyst?
144	**II**	24	What is brainstorming techniques?
145	**II**	25	Define name of four requirement elicitation techniques?
146	**II**	26	What is interview technique?
147	**II**	27	What is prototyping technique?
148	**II**	28	what is fast technique?
149	**II**	29	What is closed interview ?
150	**II**	30	What is open interview?
151	**II**	31	Who is stakeholder?
152	**II**	32	What is full form of fast technique?
153	**II**	33	What do you mean by requirement traceability?
154	**II**	34	What do you mean by traceability?
155	**II**	35	what do you mean by user interface analysis?
156	**II**	36	What do you mean by requirement modelling?
157	**II**	37	What do you mean by data modelling?
158	**II**	38	what do you mean by scenario based modelling

159	**II**	39	what do you mean by flow oriented modelling?
160	**II**	40	what do you mean by class based modelling?
161	**II**	41	what do you mean by behavioural based modelling?
162	**II**	42	What is logical data modelling?
163	**II**	43	what is conceptual data modelling?
164	**II**	44	what is physical data modelling?
165	**II**	45	what is data flow diagram?
166	**II**	46	What are the four important components of data modelling?
167	**II**	47	What do you mean by process in dfd?
168	**II**	48	What do you mean by usecase subject?
169	**II**	49	what do you mean by usecase?
170	**II**	50	what do you mean by extend relationship?
171	**II**	51	What do you mean by include relationship?
172	**II**	52	What is usecase diagram?
173	**II**	53	What do you mean external entities?
174	**II**	54	Define name of relationship represent in class diagram?
175	**II**	55	what do you mean by activity diagram?
176	**II**	56	Which notation is used to represent activity?
177	**II**	57	what do you mean by join node?
178	**II**	58	what do you mean by merge node?
179	**II**	59	what do you mean by swimlane diagram?
180	**II**	60	What do you mean by fork node?
181	**II**	61	what do you mean by guard condition?
182	**II**	62	What do you mean by specialization and generalization relationship?
183	**II**	63	What do you mean by composition relationship?
184	**II**	64	what do you mean by realization relationship?
185	**II**	65	what do you mean by dependency relationship?
186	**II**	66	what is statechart diagram?
187	**II**	67	What is 0 level dfd?
188	**II**	68	what is 1 level dfd?
189	**II**	69	what is 2 level dfd?
190	**II**	70	Define advantage of DFD diagram?
191	**II**	71	Define disadvantage of DFD diagram?
192	**II**	72	What is structure diagram?
193	**II**	73	Which notation is used to represent usecase?
194	**II**	74	Which notation is used to represent usecase subject?
195	**II**	75	What do you mean by data store?
196	**II**	76	How to represent class in class diagram?
197	**II**	77	which notation is used to represent realization relationship?
198	**II**	78	What do you mean by structural diagram?
199	**II**	79	What do you mean by behavioural diagram?
200	**II**	80	what is pins in activity diagram?
201	**II**	81	What is the first phase of SDLC model?
202	**II**	82	what do you mean by multiplicity relationship?

203	**II**	83	what do you mean by n-ary association?
204	**II**	84	what do you mean by naviagability in association?
205	**II**	85	what is directed association?
206	**II**	86	what is recursive association?
207	**II**	87	Which notation is used to represent dependency relatioship?
208	**II**	88	Which notation is used to represent binary association?
209	**II**	89	How to represent one to many relationship?
210	**II**	90	Define many to many relationship with one example?
211	**II**	91	What Are The Different Views In Uml?
212	**II**	92	What is use case diagram?
213	**II**	93	What is use case?
214	**II**	94	In ATM system , invalid pin can be identified as
215	**II**	95	to Authorize Car Loan a clerk must run Check Client's Credit History Identify relationship
216	**II**	96	Name the three types of relationships in a use case diagram.
217	**II**	97	Explain primary and secondary actors?
218	**II**	98	Importance of Use Case Diagrams
219	**II**	99	Define scenario
220	**II**	100	Engineering action encompasses a set of work tasks that lead to creation of analysis model is
221	**II**	101	What Is Stereotype?
222	**II**	102	What Are Uml Messages?
223	**II**	103	Define Include relationships
224	**II**	104	Which diagram represents the interaction of the user with the software but tells nothing about the internal working of the software?
225	**II**	105	Define generalization
226	**II**	106	Which of the following is a dynamic model that shows how the system interacts with its environment as it is used?
227	**II**	107	The recurring aspects of designs are called design
228	**II**	108	What is a Concrete Class
229	**II**	109	State some Common Causes of Redesign
230	**II**	110	Register Course (standard use case) may have Register for Special Class) – class for non-standard students, in unusual time, with special topics, Identify relationship
231	**II**	111	Define Extend relationships
232	**II**	112	A UML diagram that facilitates requirements gathering and interacts between system and external users, is called as
233	**II**	113	Login, Upload profile picture , identify relationship
234	**II**	114	Define Relationships between Use Cases and Actors
235	**II**	115	What Is Composition?
236	**II**	116	The use of design patterns for the development of object-oriented software has important implications for
237	**II**	117	The approach used in top-down analysis and design is
238	**II**	118	How to find actors in use case diagram

239	**II**	119	What is actor in use case diagrams?
240	**II**	120	What is the difference between use case diagram and use case?
241	**III**	1	Explain About Dependency?
242	**III**	2	Define Common Coupling
243	**III**	3	defines abstraction
244	**III**	4	Cardinality related to ————
245	**III**	5	Define Content Coupling
246	**III**	6	Define Functional Cohesion:
247	**III**	7	Define specialization
248	**III**	8	In class diagram ,+ is used to denote
249	**III**	9	In class diagram ,# is used to denote
250	**III**	10	Define Coincidental Cohesion:
251	**III**	11	What is subclass
252	**III**	12	Define Procedural Cohesion:
253	**III**	13	Define Temporal Cohesion:
254	**III**	14	What Is An Object Flow?
255	**III**	15	What Are Boundary Classes?
256	**III**	16	What Are entity Classes?
257	**III**	17	Define Stamp Coupling
258	**III**	18	Define Control Coupling
259	**III**	19	What is Coupling?
260	**III**	20	What is Cohesion ?
261	**III**	21	What is Modularization. list its advantages
262	**III**	22	Define Data Coupling
263	**III**	23	What Is An Activity?
264	**III**	24	Define External Coupling
265	**III**	25	Define generalization
266	**III**	26	What is superclass
267	**III**	27	bar code reader in a library management systemcan be , identify class
268	**III**	28	Define Sequential Cohesion:
269	**III**	29	Define Communicational Cohesion:
270	**III**	30	in activity diagram , bold lines represents
271	**III**	31	A room has walls , identify relationship
272	**III**	32	What are the goals of Configuration management processes?
273	**III**	33	A car has an engine , identify relationship
274	**III**	34	What Are control Classes?
275	**III**	35	When should one make the decision to go modular?
276	**III**	36	Define Logical Cohesion:
277	**III**	37	A driver drives a car , identify relationship
278	**III**	38	Detail The Meaning Of Association?
279	**III**	39	Explain About Aggregation?
280	**III**	40	A department has faculty, identify relationship
281	**III**	41	A teacher teaches student , identify relationship
282	**III**	42	What is the difference between the QA and software testing?

283	**III**	43	What is Testware?
284	**III**	44	What is the difference between build and release?
285	**III**	45	What are the automation challenges that SQA(Software Quality Assurance) team faces while testing?
286	**III**	46	What is bug leakage release
287	**III**	47	What is bug release
288	**III**	48	What is data driven testing?
289	**III**	49	Explain the steps for Bug Cycle?
290	**III**	50	What does the test strategy include?
291	**III**	51	Mention the different types of software testing?
292	**III**	52	What is branch testing and what is boundary testing?
293	**III**	53	What are the contents of test plans and test cases?
294	**III**	54	What is Agile testing and what is the importance of Agile testing?
295	**III**	55	What is Test case?
296	**III**	56	What is the strategy for Automation Test Plan?
297	**III**	57	What is quality audit?
298	**III**	58	What are the tools used by a tester while testing?
299	**III**	59	Explain stress testing?
300	**III**	60	Explain load testing?
301	**III**	61	Explain volume testing?
302	**III**	62	What are the five common solutions for software developments problems?
303	**III**	63	What is a ‘USE’ case and what does it include?
304	**III**	64	What is CRUD testing and how to test CRUD
305	**III**	65	What is thread testing?
306	**III**	66	What is configuration management?
307	**III**	67	What is Ad Hoc testing?
308	**III**	68	List out the roles of Software Quality Assurance engineer?
309	**III**	69	Explain what are test driver?
310	**III**	70	Explain what test stub.
311	**III**	71	Explain why test driver and test stub is required?
312	**III**	72	Explain what is Bug triage?
313	**III**	73	What are Test Management Toola.
314	**III**	74	What are Defect Management Tools
315	**III**	75	Whai is Project Management Tools
316	**III**	76	What are Automation Tools
317	**III**	77	What is a cause effect graph?
318	**III**	78	What is a Test Metric in software testing and
319	**III**	79	Explain what is traceability matrix?
320	**III**	80	Explain what is the difference between Regression testing and Retesting
321	**III**	81	Explain what is the rule of a “Test Driven Development”?
322	**III**	82	Mention what are the types of documents in SQA?
323	**III**	83	Explain what should your QA documents include?
324	**III**	84	Explain what is MR and what information does MR consists of?
325	**III**	85	Mention how validation activities should be conducted?

326	**III**	86	What is “use case testing”?
327	**III**	87	What is the difference between the STLC (Software Testing Life Cycle) and SDLC (Software Development Life Cycle)?
328	**III**	88	What is traceability matrix
329	**III**	89	What is Equivalence partitioning testing?
330	**III**	90	What is white box testing
331	**III**	91	What is black box testing
332	**III**	92	What is static testing
333	**III**	93	What is dynamic testing
334	**III**	94	What are verification and validation
335	**III**	95	What is Integration testing?
336	**III**	96	What is UAT (User Acceptance Testing)?
337	**III**	97	What is System testing?
338	**III**	98	What is Data Driven Testing
339	**III**	99	What is Retesting
340	**III**	100	What is Latent defect?
341	**III**	101	What is the function of the software testing tool “phantom
342	**III**	102	Explain what Test Deliverables is
343	**III**	103	What is mutation testing?
344	**III**	104	What is fault masking
345	**III**	105	When is RTM (Requirement Traceability Matrix) prepared?
346	**III**	106	In manual testing what are stubs and drivers
347	**III**	107	Explain what is “Test Plan Driven” or “Key Word Driven” method of testing?
348	**III**	108	What is the DFD (Data Flow Diagram
349	**III**	109	Explain what N+1 testing is?
350	**III**	110	What is Fuzz testing and when it is used?
351	**III**	111	Explain how does a test coverage tool work?
352	**III**	112	Mention what the difference between a “defect” and a “failure” in software testing is?
353	**III**	113	what do you mean by software testing?
354	**III**	114	Explain 5 Principles of Software Testing.
355	**III**	115	What do you mean by Unit testing?
356	**III**	116	Give two real life examples of Unit Testing.
357	**III**	117	What do you mean by Integration Testing?
358	**III**	118	What are the types of Integration Testing?
359	**III**	119	What do you mean by black box testing?
360	**III**	120	What do you mean by white Box testing?
361	**IV**	1	What do you mean by Regression Testing?
362	**IV**	2	Give a real life example of Regression Testing.
363	**IV**	3	What do you mean by Smoke Testing?
364	**IV**	4	Give a real life example of Smoke Testing.
365	**IV**	5	What do you mean by Alpha Testing?

366	**IV**	6	Give a real life example of Alpha Testing.
367	**IV**	7	What do you mean by Beta Testing?
368	**IV**	8	Give a real life example of Beta Testing.
369	**IV**	9	What do you mean by System Testing?
370	**IV**	10	Give a real life example of System Testing.
371	**IV**	11	What do you mean by Functional Testing?
372	**IV**	12	What do you mean by Non-Functional Testing?
373	**IV**	13	Give a real life example of Non-Functional Testing.
374	**IV**	14	What do you mean by Stress Testing?
375	**IV**	15	Give two real life examples of Stress Testing.
376	**IV**	16	What do you mean by Performance Testing?
377	**IV**	17	Give two real life examples of Performance Testing.
378	**IV**	18	Give some Testing Guidelines.
379	**IV**	19	What do you mean by Developement team should avoid testing the software?
380	**IV**	20	What do you mean by Software can never be 100% bug-fre?
381	**IV**	21	What do you mean by Start as early as possible with respect to testing guidelines?
382	**IV**	22	why we Prioritize sections during testing?
383	**IV**	23	Expalin the sentance"The time available is limited " with respect to testing guidelines
384	**IV**	24	Why Testing must be done with unexpected and negative inputs?
385	**IV**	25	What are the benefits of Software Testing?
386	**IV**	26	_____ is defined as an activity to check whether the actual results match the expected results and to ensure that the software system is Defect free.
387	**IV**	27	_____ product is defined in term of its fitness of purpose.
388	**IV**	28	Consider a functionally correct software product. That is, it performs all tasks as specified in the SRS document. But, has an almost unusable user interface. Even though it may be functionally right, we cannot consider it to be a _____ product.
389	**IV**	29	What are the characterstics of Quality product?
390	**IV**	30	What do you mean by Portability if software is quality software?
391	**IV**	31	What do you mean by Usability if software is quality software?
392	**IV**	32	What do you mean by Reusability if software is quality software?
393	**IV**	33	What do you mean by Correctness if software is quality software?
394	**IV**	34	What do you mean by Maintainability if software is quality software?
395	**IV**	35	What do you mean by Software Quality Management System?
396	**IV**	36	The quality system activities encompass are-
397	**IV**	37	What do you mean by Software quality assurance?
398	**IV**	38	What do you mean by Software Quality Assurance Plan?
399	**IV**	39	SQA plan document consists of how many sections.
400	**IV**	40	Explain any 4 SQAP Activities.

401	**IV**	41	What do you mean by Creating an SQA Management Plan?
402	**IV**	42	What do you mean by Setting the Checkpoints?
403	**IV**	43	What do you mean by Apply software Engineering Techniques?
404	**IV**	44	What do you mean by Executing Formal Technical Reviews?
405	**IV**	45	What do you mean by Having a Multi?
406	**IV**	46	What do you mean by Enforcing Process Adherence?
407	**IV**	47	Catagorise Enforcing Process Adherence?
408	**IV**	48	Define Product Evaluation.
409	**IV**	49	Define Process Monitoring.
410	**IV**	50	Why is RTM (Requirement Traceability Matrix) prepared?
411	**IV**	51	What is the benefit of test independence?
412	**IV**	52	As part of which test process do you determine the exit criteria?
413	**IV**	53	What is Alpha testing?
414	**IV**	54	What is beta testing?
415	**IV**	55	Mention what the difference between Pilot and Beta testing is?
416	**IV**	56	What is the difference between Testing Techniques and Testing Tools?
417	**IV**	57	We use the output of the requirement analysis, the requirement specification as the input for writing …
418	**IV**	58	Repeated Testing of an already tested program, after modification, to discover any defects introduced or uncovered as a result of the changes in the software being tested or in another related or unrelated software component:
419	**IV**	59	What is functional system testing?
420	**IV**	60	What are the benefits of Independent Testing?
421	**IV**	61	What is verification?
422	**IV**	62	What is validation?
423	**IV**	63	What are the verification methods?
424	**IV**	64	What are the validation methods?
425	**IV**	65	What is unit testing?
426	**IV**	66	What is Integration testing?
427	**IV**	67	How many types of integration testing?what are they?
428	**IV**	68	What is alpha testing?
429	**IV**	69	What is Beta testing?
430	**IV**	70	What is Regression testing?
431	**IV**	71	What is BlackBox testing?
432	**IV**	72	What is WhiteBox testing?
433	**IV**	73	What is smoke testing?
434	**IV**	74	What is stress testing?
435	**IV**	75	What is performance testing?
436	**IV**	76	What is object oriented testing?
437	**IV**	77	What is manual testing?
438	**IV**	78	What is load testing?
439	**IV**	79	What is usability testing ?
440	**IV**	80	What is risk management?

441	**IV**	81	What are the steps in risk management?
442	**IV**	82	What is risk mitigation?
443	**IV**	83	What is risk monitoring?
444	**IV**	84	What are project risks?
445	**IV**	85	What are technical risks?
446	**IV**	86	What are business risks?
447	**IV**	87	What is risk?
448	**IV**	88	What are operational risks?
449	**IV**	89	What are the causes of operational risks?
450	**IV**	90	What is risk projection?
451	**IV**	91	What are the risk projection steps?
452	**IV**	92	What is RMMM plan?
453	**IV**	93	What is performance risk?
454	**IV**	94	What is cost risk?
455	**IV**	95	What is support risk?
456	**IV**	96	What is Schedule risk?
457	**IV**	97	How to assess overall project risk?
458	**IV**	98	What are the columns in risk table?
459	**IV**	99	What is predictable risks?
460	**IV**	100	What is risk management?
461	**IV**	101	What is quantitative risk analysis?
462	**IV**	102	What is conrol risks?
463	**IV**	103	What is Project Procurement Management?
464	**IV**	104	What is risk assessment?
465	**IV**	105	What is programatic risks?
466	**IV**	106	What are the examples for programatic risks?
467	**IV**	107	What are the examples of risk mitigation?
468	**IV**	108	What is erisk analysis?
469	**IV**	109	What is risk planning?
470	**IV**	110	How to overcome " Unrealistic schedules and budgets" ?
471	**IV**	111	How to overcome the risk - " Personnel shortfalls ".
472	**IV**	112	How to overcome the risk -"Developing the wrong software functions"
473	**IV**	113	How to overcome the risk -"Continuing stream of requirements changes"
474	**IV**	114	How to overcome the risk - " Shortfalls in externally furnished components "
475	**IV**	115	How to overcome the risk -"Shortfalls in externally performed tasks"
476	**IV**	116	How to overcome the risk -"Real time performance shortfalls"
477	**IV**	117	How to overcome risks - "Straining computer science capabilities"
478	**IV**	118	What is risk based testing?
479	**IV**	119	Staff turnover, poor communication with the customer are risks that are extrapolated from past experience are called which risks?
480	**IV**	120	Which risk gives the degree of uncertainty and the project schedule will be maintained so that the product will be delivered in time?
481	**V**	1	Project risk factor is considered in which model?

482	**V**	2	In Risk management process what makes a note of all possible risks, that may occur in the project?
483	**V**	3	Which risks identify Potential Design, Implementation, Interface, Verification and Maintenance Problems?
484	**V**	4	Building an excellent product or system that no one really want is what kind of risk?
485	**V**	5	Mention the the characteristics of Software risk?
486	**V**	6	What all has to be identified as per risk identification?
487	**V**	7	What is the product of the probability of incurring a loss due to the risk and the potential magnitude of that loss?
488	**V**	8	What threatens the quality and timeliness of the software to be produced?
489	**V**	9	What threatens the viability of the software to be built?
490	**V**	10	Which risks are associated with the overall size of the software to be built or modified?
491	**V**	11	What are metrics?
492	**V**	12	What's meant by measures and metrics?
493	**V**	13	what is product metrics
494	**V**	14	why use process metcisr
495	**V**	15	what is project metrics
496	**V**	16	What are the types of metrics?
497	**V**	17	What are the advantages and disadvantages of size measure?
498	**V**	18	what is measurement?
499	**V**	19	why measure software ?
500	**V**	20	what is SLOC?
501	**V**	21	for (i = 0; i < 100; i++) printf("hello"); How many lines of code is this?

502	**V**	22	how many lines of code is this?
			for (i = 0; i < 100; i++)
			{
			  printf("hello");
			}

503	**V**	23	How is LOC calculated?
504	**V**	24	What is Kilo line of code?
505	**V**	25	How many lines of code is an app?
506	**V**	26	what is disadvantage of loc?
507	**V**	27	What is Cyclomatic complexity
508	**V**	28	how may types of faults
509	**V**	29	what is indicator
510	**V**	30	what is size oriented metrics
511	**V**	31	what is trhe set of size measure
512	**V**	32	what is standard of counting the line of code?
513	**V**	33	what is advantage of size oriented metrics
514	**V**	34	what is disadvantage of size oriented metrics
515	**V**	35	what is Function-Oriented Metrics
516	**V**	36	how to calculate function point

517	**V**	37	what is fourmula of function point
518	**V**	38	what is fourmula of productivity mrasure
519	**V**	39	what is fourmula of quality mrasure
520	**V**	40	what is fourmula of cost mrasure
521	**V**	41	what is fourmula of Documention mrasure
522	**V**	42	what is advantage of function point metrics
523	**V**	43	what is disadvantage of function point metrics
524	**V**	44	What is Object Oriented Metrics
525	**V**	45	What is Number of scenario scripts metrics
526	**V**	46	what is Number of key classes metrics
527	**V**	47	what is Number of support classes metrics
528	**V**	48	What is Average number of support classes per key class metrics
529	**V**	49	What is Number of subsystems metrics
530	**V**	50	what is measurable characteristics of an OO design
531	**V**	51	what do you mean by size measurable characteristics
532	**V**	52	what do you mean by complexity measurable characteristics
533	**V**	53	what do you mean by coupling measurable characteristics
534	**V**	54	what do you mean by sufficiency measurable characteristics
535	**V**	55	what do you mean by completeness measurable characteristics
536	**V**	56	what do you mean by Cohesion measurable characteristics
537	**V**	57	what do you mean by similarty measurable characteristics
538	**V**	58	what do you mean by Volatility measurable characteristics
539	**V**	59	What is Software Testing Estimation?
540	**V**	60	what is full form of PERT
541	**V**	61	What is meant by project estimation?
542	**V**	62	Why is project estimation important?
543	**V**	63	Why is project estimation important?
544	**V**	64	What are the benefits of software project estimation explain?
545	**V**	65	What is the role of estimation?
546	**V**	66	What are the activity estimation techniques?
547	**V**	67	how many types of empirical estimation technique
548	**V**	68	what is Empirical Estimation Technique
549	**V**	69	what is Heuristic Technique
550	**V**	70	what is Analytical Estimation Technique
551	**V**	71	what is disadvantage of Empirical Estimation Technique
552	**V**	72	Which of the following uses empirically derived formulas to predict effort as a function of LOC or FP?
553	**V**	73	which factor Estimation depends on factors
554	**V**	74	how many types of CK Matrices
555	**V**	75	what do you mean by WMC
556	**V**	76	what do you mean by DIT
557	**V**	77	what do you mean by NOC
558	**V**	78	what do you mean by CBO
559	**V**	79	what is the full form of LCOM

560	**V**	80	what is the full form of RFC
561	**V**	81	In a software project, COCOMO (Constructive Cost Model) is used to estimate
562	**V**	82	COCOMO model is used for
563	**V**	83	The COCOMO model was introduced in the book title “Software Engineering Economics” authored by
564	**V**	84	COCOMO stands for
565	**V**	85	Consider the basic COCOMO model where E is the effort applied in person-months, D is the development time in chronological months, KLOC is the estimated number of delivered lines of code (in thousands) and ab, bb, cb, db have their usual meanings. The basic COCOMO equations are of the form
566	**V**	86	Estimation of software development effort for organic software in basic COCOMO is
567	**V**	87	A company needs to develop digital signal processing software for one of its newest inventions. The software is expected to have 20000 lines of code. The company needs to determine the effort in person-months needed to develop this software using the basic COCOMO model. The multiplicative factor for this model is given as 2.2 for the software development on embedded systems, while the exponentiation factor is given as 1.50. What is the estimated effort in person-months?
568	**V**	88	A company needs to develop digital signal processing software for one of its newest inventions. The software is expected to have 40000 lines of code. The company needs to determine the effort in person-months needed to develop this software using the basic COCOMO model. The multiplicative factor for this model is given as 2.8 for the software development on embedded systems, while the exponentiation factor is given as 1.20. What is the estimated effort in person-months?
569	**V**	89	What is COCOMO Model?
570	**V**	90	What is cost etimation model
571	**V**	91	Define the category of Cost estimation models .
572	**V**	92	Define Effort.
573	**V**	93	Define Schedule.
574	**V**	94	What are the advantages of Cocomo model?
575	**V**	95	What are the disadvantages of Cocomo model?
576	**V**	96	What do you mean by Organic Projects?
577	**V**	97	Give example of Organic Projects.
578	**V**	98	What do you mean by Semi-detached projects?
579	**V**	99	Give example of Semi-detached projects?
580	**V**	100	What do you mean by Embedded projects ?
581	**V**	101	Give example of Embedded projects .
582	**V**	102	What are the types of COCOMO model?
583	**V**	103	What do you mean by Basic COCOMO Model?
584	**V**	104	Whta is the formula for Effort?

585	**V**	105	Whta is the formula for Schedule?
586	**V**	106	Whta is the formula for Effort in Intermediate model?
587	**V**	107	What do you mean by Detailed Model
588	**V**	108	What do you mean by Project Scheduling?
589	**V**	109	What are the advantages of Project Scheduling?
590	**V**	110	What are the Basic Principles of Software Project Scheduling ?
591	**V**	111	What do you mean by Work Breakdown Structure?
592	**V**	112	What do you mean by Activity Network ?
593	**V**	113	CPM stands for-
594	**V**	114	What do you mean by Critical Path Method?
595	**V**	115	Define Minimum Time.
596	**V**	116	Define Earliest Start Time (ES)
597	**V**	117	Define Earliest Finish Time(EF)
598	**V**	118	PERT stands for-
599	**V**	119	What do you mean by Project Evaluation and review technique?
600	**V**	120	What do you mean by Gantt Charts?