

QP CODE: Q1301
 QP TITLE: Test Engineer

OVERVIEW

Test Duration	180 minutes
Duration - SSC/N1301	180 minutes
Duration - SSC/N1302	
Duration - SSC/N1303	
Duration - SSC/N9001	
Duration - SSC/N9002	
Duration - SSC/N9003	
Duration - SSC/N9004	
Duration - SSC/N9005	
Natural Language Options	English
Distribution of Marks	As mentioned in the Qualification Pack
Pass Criteria	As per Standard
Technology tools / Platforms Tested (Mandatory)	
i) NA	ii)
iii)	iv)
Technology tools / Platforms Tested (Select any one)	
i) NA	ii)
iii)	iv)
Infrastructure Requirements	As per standard list provided to Assessment Centers
QP Specific Infrastructure Requirements (if any)	
i) NA	ii)

SAMPLE QUESTIONS

SSC/N1301 (Design tests for software products/applications/ modules)

Q1. Type: Skill

PC Tested: PC2

Level: Easy

Which of the following tools is NOT an Automated Web Testing Tool used for testing?

- A. Selenium
- B. Watir
- C. Testmill
- D. Ranorex

Correct Answer: C

Q2. Type: Skill

PC Tested: PC4

Level: Moderate

Which of the following formula perfectly defines 'Cyclomatic Complexity' of a source code?

[Note: E = number of edges in the flow graph. N = number of nodes in the flow graph. P = number of nodes that have exit points]

- A. Cyclomatic complexity = $E - N + P$
- B. Cyclomatic complexity = $E - N P$
- C. Cyclomatic complexity = $E - P + N$
- D. Cyclomatic complexity = $E - N - P$

Correct Answer: A

Q3. Type: Skill

PC Tested: PC6

Level: Difficult

Consider a faulty application software with a MTTF (Mean Time to Failure) of 96 hours and MTTR (Mean Time to Recovery) of 72 hours. What will be the availability of this application software?

- A. 0.534
- B. 0.571
- C. 0.487
- D. 0.616

Correct Answer: B

Q4. Type: Theory

PC Tested: PC9

Level: Moderate

What types of errors are missed by black-box testing and can be uncovered by white-box testing?

- I. Behavioral errors
- II. Logic errors
- III. Performance errors
- IV. Typographical errors

Choose the correct answer from the following options:

- A. I and II only
- B. II and III only
- C. II and IV only
- D. III and IV only

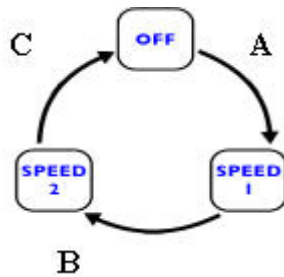
Correct Answer: B

Q5. Type: Theory

PC Tested: PC9

Level: Difficult

Consider the following state transition diagram of a two-speed machine, which is operated by pressing a button. The first press of the button turns it on to Speed 1, second press increases it to Speed 2 and the third press turns it off.



Which of the following series of state transitions will provide 0-switch coverage?

- A. A, C, B
- B. B, C, A
- C. A, B, C
- D. C, B, A

Correct Answer: C

Q6. Type: Skill

PC Tested: PC10

Level: Moderate

Which of the following testing is done against Software Requirements Specification (SRS) to check the test scripts and functionality of the machine?

- A. Acceptance testing
- B. Integration testing
- C. Regression testing
- D. System testing

Correct Answer: D

SSC/N1302 (Carry out automated tests on software products/applications/modules)

Q1. Type: Skill

PC Tested: PC2

Level: Moderate

Given below are the tools used in development of a software. Identify which tools would typically be used by developers and an independent test team respectively?

I. Static Analysis

II. Performance Testing

III. Test Management

IV. Dynamic Analysis

V. Test Running

VI. Test Data Preparation

A. Developers: I, IV and VI

Test Team: II, III and V

B. Developers: I and IV

Test Team: II, III, V and VI

C. Developers: I, II, III and IV

Test Team: V and VI

D. Developers: I, IV and VI

Test Team: II, III and V

Correct Answer: B

Q2. Type: Skill

PC Tested: PC3

Level: Easy

Q4. Which of the following types of testing involves executing the same test case with a modified build?

A. Sanity Testing

B. Ad hoc Testing

C. Regression Testing

D. Retesting

Correct Answer: C

Q3. Type: Skill

PC Tested: PC4

Level: Moderate

In WebDriver, which of the following commands can be used to enter values in text boxes?

- A. `selenium.type()`
- B. `driver.type()`
- C. `sendKeys()`
- D. `Keys.show("text")`

Correct Answer: C

Q4. Type: Skill

PC Tested: PC4

Level: Difficult

Which of the following is a functional test case for an e-commerce website?

- I. 5000 people can log into website at the same time
- II. Security of system during transaction
- III. Several people can perform a complete transaction in every case
- IV. People can return faulty goods safely

- A. II, III, and IV only
- B. I, III, and IV only
- C. I, II, and IV only
- D. All I, II, III, and IV

Correct Answer: A

Q5. Type: Skill

PC Tested: PC6

Level: Moderate

A defect which causes an observable product failure or departure from requirements, comes under which of the following severity?

- A. Minor
- B. Major
- C. Fatal
- D. Neglectable

Correct Answer: B

Q6. Type: Skill

PC Tested: PC9

Level: Moderate

In Selenium, which of the following is the correct syntax to locate an element using inner text?

- A. `ccs=tag:contains("inner text");`
- B. `ccs=tag:value("inner text");`
- C. `ccs=tag:attributes("inner text");`
- D. `ccs=tag:class("inner text");`

Correct Answer: A

SSC/N1303 (Carry out manual tests on software products/applications/modules)

Q1. Type: Skill

PC Tested: PC3

Level: Easy

Test Scripts and Test Data are the deliverables of which of the following phases of Software Testing Life Cycle (STLC)?

- A. Only Test Designing
- B. Test Designing and Test Planning
- C. Test Designing and Test Execution
- D. Test Designing and Test Environment setup

Correct Answer: A

Q2. Type: Skill

PC Tested: PC4

Level: Moderate

In which of the following ways do we use the below statement to associate the Shared Object Repository in QTP?

repositorycollection.Add "Repository file path"

- A. Using Associate Repository
- B. Using Action Properties
- C. During Runtime
- D. Using Database Collection

Correct Answer: C

Q3. Type: Skill

PC Tested: PC7

Level: Moderate

Arrange the following statements in a sequence to export test cases from QTP to QC:

- (i) In QTP, Select File Menu > Save As > Save in QC.
 - (ii) Enter QC URL project name/domain/username/password and click on Login. QTP is now connected to QC.
 - (iii) Click OK to Save.
 - (iv) In QTP , Go to File > Quality Center Connection.
 - (v) Select the Folder in QC where you want to save the QTP Script.
- A. (i) -> (v) -> (ii) -> (iv) -> (iii)
 - B. (iv) -> (i) -> (ii) -> (v) -> (iii)
 - C. (i) -> (v) -> (iii) -> (ii) -> (iv)
 - D. (iv) -> (ii) -> (i) -> (v) -> (iii)

Correct Answer: D

Q4. Type: Skill

PC Tested: PC7

Level: Easy

Which of the following is NOT a black box testing technique?

- A. Equivalence partitioning
- B. State transition testing
- C. Linear code sequence and jump
- D. Syntax testing

Correct Answer: C

Q5. Type: Theory

PC Tested: PC9

Level: Easy

A Test Harness / Unit Test Framework Tool is NOT suitable for:

- A. code coverage measurement
- B. support for debugging
- C. recording pass / fail status
- D. load testing

Correct Answer: D

Q6. Type: Skill

PC Tested: PC10

Level: Moderate

When testing a grade calculation system, a tester determines that all scores from 90 to 100 will yield a grade of A, but scores below 90 will not. This analysis is known as:

- A. Equivalence partitioning
- B. Boundary value analysis
- C. Decision table
- D. Hybrid analysis

Correct Answer: A

SSC/N9001 (Manage your work to meet requirements)

Q1. Type: Theory

PC Tested: PC2

Level: Moderate

Among the following points what should an office employee follow to ensure tidiness around his/her work area?

I. Establish daily, weekly and monthly cleaning procedures.

II. Implement a paper recycling program.

III. Have snacks and refreshments at the workspace.

Choose the correct answer from the options given below.

A. Only (I)

B. Only (I) and (II)

C. Only (II) and (III)

D. All (I), (II) and (III)

Correct Answer: B

Q2. Type: Theory (Situational Judgement)

PC Tested: PC2

Level: Easy

On a Monday morning, you enter the office and see that there is a lot of litter on the office floor. What will be the most appropriate response?

A. Ignore the litter and do your job

B. Scold the cleaner for not doing his job

C. Call the cleaner and ask him to clean the office immediately and warn him not to repeat such mistakes

D. Clean the office by yourself

Correct Answer: C

Q3. Type: Theory (Work Management) PC Tested: PC3 Level: Moderate

Of all the following jobs what would be the correct order of priority for an office employee?

I. Work on a new assignment that your boss has given you to complete in 3 days.

II. Complete a report which is due in 4 hours.

III. Work on a monthly report that is to be discussed in a week.

Choose the correct answer from the options given below.

A. I - II – III

B. III - II – I

C. I - III – II

D. II -I- III

Correct answer: D

Q4. Type: Skill (Statement and Conclusion) PC Tested: PC6 Level: Difficult

Below are given statements followed by two conclusions. Take the given statements to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statements.

Statements:

I. Some pants are trousers.

II. All the trousers are jeans.

Conclusions:

I. All the jeans are trousers.

II. Some pants are definitely jeans.

A. Only conclusion I follows

B. Only conclusion II follows

C. Either conclusion I or conclusion II follows

D. Neither conclusion I nor conclusion II follows

Correct answer: B

Q5. Type: Skill(Quant – Time and Work)

PC Tested: PC5

Level: Moderate

Amardeep was allotted a project which she would have completed in 5 days. But she asked for help of her team member Shreya so that they could complete the project within the deadline of 3 days. Determine the number of days that Shreya would have taken to complete the same project alone.

- A. 5 days
- B. $5\frac{1}{2}$ days
- C. 7 days
- D. $7\frac{1}{2}$ days

Correct Answer: D

SSC/ N9002 (Work effectively with colleagues)

Q1. Type: Skill (Statement and Conclusion)

PC Tested: PC2

Level: Moderate

Which of the given conclusions logically follow(s) from the given statements?

Statement:

Akshay informed the client that the deadline of the project will not be met due to lack of manpower.

Conclusions:

- I. The process followed by Akshay's team was not efficient.
- II. There were not enough members in the Akshay's team.

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusion I and conclusion II follow.
- D. Neither conclusion I nor conclusion II follows.

Correct answer: B

Q2. Type: Skill (Verbal Ability)

PC Tested: PC4

Level: Moderate

Which of the phrases given below should replace the underlined phrase to make the sentence grammatically correct?

Preeti is tired as she is working since 6 o'clock in the morning.

- A. she was working
- B. she has been working
- C. she have been working
- D. she will be working

Correct answer: B

Q3. Type: Skill (Verbal Ability)

PC Tested: PC4

Level: Easy

Fill in the blank(s) with the most suitable option.

Sir, would you _____ if I send you the presentation tomorrow?

- A. hate
- B. agreed
- C. mind
- D. might

Correct answer: C

Q4. Type: Skill (Situational Judgement)

PC Tested: PC5

Level: Moderate

Sheetal and Bhavnish are assigned a project together. Bhavnish was unable to complete his part of work on time due to which Sheetal was unable to complete the remaining work on time. Bhavnish was given a warning from their manager for the same. What should he do?

- A. He should talk to the manager and apologize for his mistake
- B. He should blame Sheetal for the delay as the remaining work was assigned to her
- C. He should try to talk to Sheetal and convince her to take the blame on both of them
- D. He should ignore the warning given by his manager

Correct answer: A

Q5. Type: Skill (Situational Judgement)

PC Tested: PC7

Level: Easy

One of your team members is lazy and has a laid back attitude. What should you do to make him an active team player?

- A. You should scold him in front of other team members so that he gets embarrassed
- B. You should talk to him and motivate him to work hard in order to have professional growth in the organization
- C. You should ask your manager to terminate him for some days
- D. You should ask other team members to timely humiliate him

Correct answer: B

SSC/ N9003 (Maintain a healthy, safe and secure working environment)

Q1. Type: Theory

PC Tested: PC1

Level: Easy

Which of the following should NOT be practiced in an office?



A.



B.



C.



D.

Correct answer: B

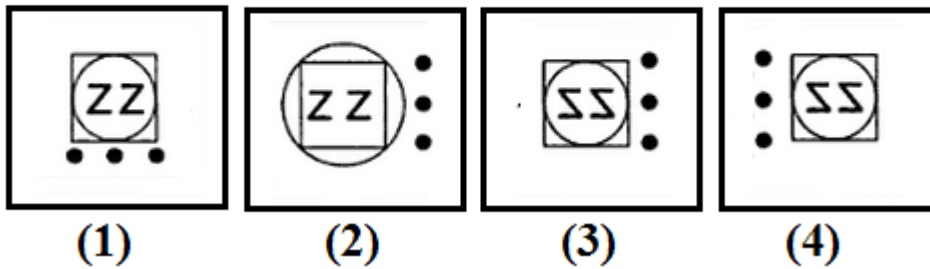
Q2. Type: Theory(Visual Reasoning)

PC Tested: PC3

Level: Difficult

Which one of the following images is most unlike the other three?

Problem Figure:



A. (1)

B. (2)

C. (3)

D. (4)

Correct answer: B

Q3. Type: Skill

PC Tested: PC2

Level: Easy

You notice that one of your colleagues is in a lot of stress because of being constantly bullied by another colleague. What should be the appropriate response from your part?

A. Report the issue to the higher authority

B. You should ignore the matter as you have no role to play in it

C. You should discuss the matter with your colleagues

D. You should confront the bully by yourself

Correct answer: A

Q4. Type: Skill

PC Tested: PC4

Level: Moderate

What is the correct course of action to deal with hazards at workplace?

- I. Spot the hazard
- II. Make the changes
- III. Assess the risks

Choose the correct answer from the options given below.

- A. I - II – III
- B. III - II – I
- C. I - III- II
- D. III - II – I

Correct answer: C

Q5. Type: Skill

PC Tested: PC6

Level: Moderate

You are joining a new company and on the first day you find that there are no fire exits from the office. Among the following points what is/are the most appropriate thing to do:

- I. Go to your supervisor and tell him about the problem and the necessity of fire exits.
- II. Search other exit ways that would be helpful during emergencies and inform about it to everyone.
- III. Register a complaint against the security department.

Choose the correct answer from the options given below:

- A. Only (I)
- B. Only (I) and (II)
- C. Only (II) and (III)
- D. All (I), (II) and (III)

Correct answer: B

SSC/ N9004 (Provide data/information in standard formats)

Q1. Type: Theory

PC Tested: PC1

Level: Moderate

You are required to submit a daily report in a tabular format. Which of the following applications is most appropriate to create such tables?

A. Adobe Photoshop

B. Notepad

C. Corel Draw

D. MS Excel

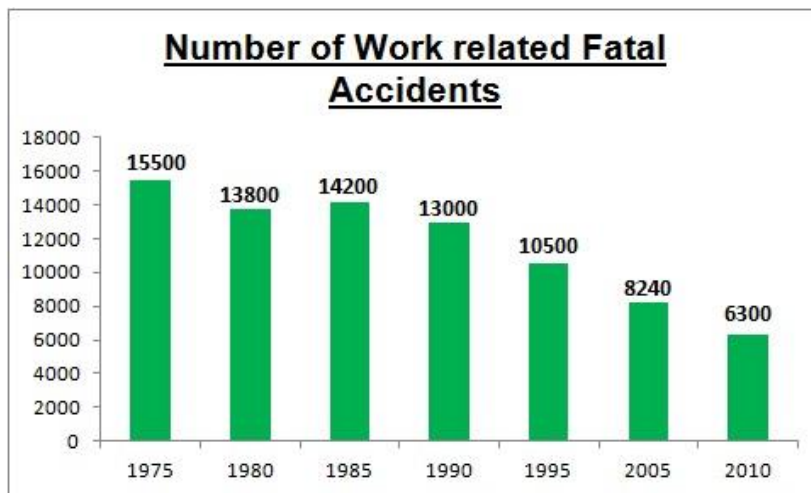
Correct answer: D

Q2. Type: Skill(Data Interpretation)

PC Tested: PC3

Level: Moderate

Study the following graph and determine the percentage decrease (approximate) in number of work related fatal accidents from year 1975 to 2010.



A. 25%

B. 37%

C. 59%

D. 73%

Correct answer: C

Q3. Type: Skill (Data Interpretation)

PC Tested: PC5

Level: Difficult

Consider the following table that shows the percentage distribution of population of five states A, B, C, D and E on the basis of poverty line and also on the basis of gender and answer the question that follows.

State	Percentage of population below the poverty line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		M : F	M : F
A	28%	3 : 4	4 : 5
B	27%	5 : 4	7 : 5
C	25%	3 : 2	2 : 3
D	21%	1 : 2	5 : 3
E	32%	5 : 3	9 : 8

What will be (approximately) the female population above poverty line for the state B if the male population below poverty line for state B is 3.15 million?

- A. 6 million
- B. 6.2 million
- C. 6.39 million
- D. 6.5 million

Correct answer: C

Q4. Type: Skill

PC Tested: PC6

Level: Easy

Which of the following program can open a file with an .html extension?

- A. Photoshop
- B. Adobe reader
- C. Mozilla Firefox
- D. MS Access

Correct answer: C

Q5. Type: Skill

PC Tested: PC7

Level: Moderate

Which department is to be contacted regarding the issues related to database of a website?

- A. Analysis department
- B. Design department
- C. Development department
- D. Content department

Correct answer: C

SSC/ N9005 (Develop your knowledge, skills and competence)

Q1. Type: Theory (Situational Judgement)

PC Tested: PC1

Level: Moderate

You are stuck with some technical issues at an early stage of an important project. In such a case, to ensure the completion of project within the timelines you will:

- A. leave the assignment by giving excuses and get it assigned to someone else
- B. complete the assignment by managing the issues on your own
- C. go through the books and surf the internet to resolve the issues
- D. get the help from your team members and seniors who are well versed with such issues

Correct answer: D

Q2. Type: Skill

PC Tested: PC3

Level: Moderate

One of your upcoming projects requires expertise in a particular technical skill. Which of the following is the most appropriate way to assess your current level of that skill and related knowledge?

- A. Take a standard and reputed external technical assessment on the skill
- B. Take feedback on your skill level from colleagues and friends
- C. Try solving problems on the technical skill available at online forums
- D. Refer feedback that received for earlier projects done by you on the skill

Correct answer: A

Q3. Type: Skill (Situational Judgement)

PC Tested: PC6

Level: Moderate

Consider a technology that you are interested in learning but you do not have the opportunity to apply this technology as a part of your current work. Which of the following is the most suitable course of action that you can take in this case?

- A. Learn by working on the technology during your free time
- B. Consider employment opportunities in that domain with your learning goals
- C. Ignore your interests and learning goals and stick to your work
- D. Discuss with your manager if there is any requirement related to the technology

Correct answer: D

Q4. Type: Skill

PC Tested: PC7

Level: Easy

To get a report on performance of employees, the testing criteria should NOT consist of:

- A. knowledge of employee
- B. professional development of employee
- C. range of skills of an employee
- D. salary of an employee

Correct answer: D

Q5. Type: Theory

PC Tested: PC8

Level: Moderate

In your company, there is a policy to test the performance of all the employees every 6 months. By looking at your evaluation, you come to know about some of your weak areas. What would you do then?

- A. Claim that the evaluation is false and incorrect
- B. Analyze your weak areas and try to improve on them
- C. Ask for a re-evaluation
- D. Blame your colleagues for your bad performance

Correct answer: B