

QP CODE: SSC/Q0502
QP TITLE: UI Developer

OVERVIEW

Test Duration	180 minutes
Natural Language Options	English
Distribution of Marks	As mentioned in the Qualification Pack
Pass Criteria	As per standard norms
Technology tools / Platforms Tested (Mandatory)	
i) HTML/HTML5/CSS/JS	ii)SVG/CANVAS/Graphics & Logo Designs
iii)Android/iOS/Chrome/Firefox/IE8+	iv)Photoshop/Illustrator
Technology tools / Platforms Tested (Select any one)	
i) Web	ii) Android
iii) UI Editors	iv) UI Debuggers
Infrastructure Requirements	As per standard list provided to Assessment Centers
QP Specific Infrastructure Requirements (if any)	
i) BRS/URS/SRS/HLD/HLD	ii) Coding tools & UNIT Testing tools

SAMPLE QUESTIONS

SECTION 1/ NOS SSC/N0501 Contribute to the design of software products and applications

1. **Type:** Theory; **PC Tested:** PC01; **Level:** Medium

Statement: A customer approaches you with a URS (User Requirement Specification) document for his online food ordering application. However, cost is a constraint for the customer. Which is the correct alternative(s) regarding the MDOE (Mandatory, Desirable, Optional, Enhancement) specification of your customer's URS?

Options:

- A. M requirement- Online payment gateway integration
- B. D requirement- Online payment gateway integration
- C. O requirement- User review functionality
- D. E requirement- Cash on delivery.

Correct Answer: B. D requirement- Online payment gateway integration

2. **Type:** Theory; **PC Tested:** PC04; **Level:** Easy

Statement: Which of the following is/are a feature of CSS3?

- A. Box-Shadow
- B. text-shadow
- C. Multiple backgrounds
- D. transition-property

Options: A. Only B B. Only C C. Both B & C D. A, B, C and D

Correct Answer: D. A, B, C and D

3. **Type:** Skill; **PC Tested:** PC04; **Level:** Hard

Statement: An HTML link has drop-down menus associated with it. You want the user to be able to see down arrow on the drop-down menu. Which bootstrap class can enable such down arrow?

Options: A. Drop B. Expand C. Clearfix D. Caret

Correct Answer: D. Caret

4. **Type:** Skill; **PC Tested:** PC06; **Level:** Hard

Statement: You are a software design researcher working for the State Bank of India. The bank wants you to design a small ATM printing application, which can generate multiple types of statements of the transaction including Mini statement, Detailed statement with minimized memory consumption. How will you achieve this?

Options:

A. By using Material design pattern to generate multiple types of statements and Singleton design pattern for reducing memory consumption by creating a single instance of the StatementFactory class

B. By using Factory design pattern to generate multiple types of statements and Singleton design pattern for reducing memory consumption by creating a single instance of the StatementFactory class

C. By using Singleton design pattern to generate multiple types of statements and Factory design pattern for reducing memory consumption by creating a single instance of the StatementFactory class

D. None of the given options

Correct Answer: B. By using Factory design pattern to generate multiple types of statements and Singleton design pattern for reducing memory consumption by creating a single instance of the StatementFactory class

5. **Type:** Skill; **PC Tested:** PC07; **Level:** Medium

Statement: Which of the following statements related to a document design that uses LaTeX is correct?

Options:

A. If you delete some text from a LaTeX file, then it is gone forever and you cannot get the previous version of the file back.

B. If you delete some text from a LaTeX file, then in order to get the previous version of the file you need to pull the changes from its repository hosted over svn.

- C.** Since there is no UNDO feature in LaTeX, if you delete some text from a LaTeX file, the only way to get the deleted version back is from the LaTeX trash.
- D.** If you delete some text from a LaTeX file, then in order to get the previous version of the file you need to pull the changes from its repository hosted over Git.
- Correct Answer: A.** If you delete some text from a LaTeX file, then it is gone forever and you cannot get the previous version of the file back

6. **Type:** Skill; **PC Tested:** PC07; **Level:** Hard

Statement: Which of the following is incorrect with regards to designing User Interface of a point of sale (POS) application?

- Options:** **A.** Grid sizes defined in the layout of the application need to be specified in percentages instead of pixels
- B.** Avoid drawing UI components with vectors
- C.** Users must be trained to understand business protocol and how the POS supports that protocol
- D.** Allows for touch input with generally larger controls to support a large fingertip as pointer

Correct Answer: B. Avoid drawing UI components with vectors

SECTION 2/ NOS SSC/N0502 Develop software code to specification

7. **Type:** Skill; **PC Tested:** PC03; **Level:** Medium

Statement: An organisation starts a discount offer and wants to send an email to all its clients regarding the same. The process of sending the email is robotized and can be done in the given ways. According to the non-functional requirement with respect to efficiency, which way is the most suitable?

- A. Send a bulk email
- B. Send the email to every client individually.

Options: **A.** Only A **B.** Only B **C.** Both A and B **D.** Neither A Nor B

Correct Answer: A. Only A

8. **Type:** Skill; **PC Tested:** PC03; **Level:** Medium

Statement: Which of the following statements regarding Bootstrap icons is/are correct?

- A. Bootstrap icons are provided by Glyphicons and are font based.
- B. The general syntax for Bootstrap icons is ``.
- C. The general syntax for Bootstrap icons is ``.
- D. We can create icons of any colour using Bootstrap icons.

Options: A. A, B and D B. A and C C. C and D D. A, C and D

Correct Answer: A. A, B and D

9. **Type:** Skill; **PC Tested:** PC04; **Level:** Medium

Statement: The number of unit tests to be created for a UI component is eight. At minimum, how many unit test files will be needed to constitute these five-unit tests?

Options: A. 1 B. 2 C. 4 D. 8

Correct Answer: A. 1

10. **Type:** Theory; **PC Tested:** PC05; **Level:** Hard

Statement: A UI component with id = 'X' is replaced with a new UI component having completely different functionality. Few other components were dependent on X. At which stage will the dependency error be encountered along with a way to track back?

Options: A. Build. B. Review. C. Unit Test. D. Production.

Correct Answer: C. Unit Test.

11. **Type:** Skill; **PC Tested:** PC06; **Level:** Hard

Statement: A component X fails the unit test. Component Y is dependent on Component X. What can be said about the unit test run on Component Y?

Options:

A. It will fail.

- B.** It will pass.
- C.** Nothing can be said. It may either fail or pass.
- D.** The probability of failing is higher.

Correct Answer, C. Nothing can be said. It may either fail or pass

12. **Type:** Skill; **PC Tested:** PC07; **Level:** Medium

Statement: What is the significance of 'Repetition' in CRAP principles of UI design?

Options:

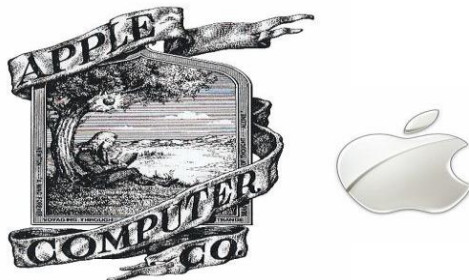
- A.** It specifies to repeat visual elements of the design throughout the User Interface
- B.** it specifies not to repeat visual elements of the design throughout the User Interface.
- C.** it specifies to repeat alignments of all the elements of the design throughout the User Interface.
- D.** it specifies not to repeat alignments of all the elements of the design throughout the User Interface.

Correct Answer: A. It specifies to repeat visual elements of the design throughout the User Interface

SECTION 3/ NOS SSC/N0503 Develop media content and graphic designs for software products and applications

13. **Type:** Theory; **PC Tested:** PC01; **Level:** Hard

Statement: The following images show the old and current logo of the company Apple respectively. The logo change by the company was done keeping in mind major UI aspect. Why did the company change its logo?



Options:

- A. The older logo was very complex and large and font of text was very small
- B. The older logo had a lot of content
- C. It was difficult to understand the phrase on the logo, which was written in small font
- D. All of the given options

Correct Answer: D. All of the given options

14. **Type:** Skill; **PC Tested:** PC01; **Level:** Medium

Statement: UI developer often creates logo which visually could have two meanings or could be understood in two different ways. What is such design practice called?

Options:

- A. Visual double design
- B. Visual bi-graphics
- C. Visual-bi-entendre
- D. Visual-double-entendre

Correct Answer: D. Visual-double-entendre

15. **Type:** Skill; **PC Tested:** PC02; **Level:** Hard

Statement: How would you export icons to ICNS file in Adobe Illustrator?

Options:

- A. illustrator doesn't allow exporting icons to icns file.
- B. using script illustrator.icns exporter
- C. using script icon.icns exporter
- D. using script icon.icns.eps exporter

Correct Answer: B. using script illustrator.icns exporter

16. **Type:** Skill; **PC Tested:** PC03; **Level:** Medium

Statement: What class would you use in your style-sheets to add icons using Google Material Design?



Options: A. material-icons B. mdesign-icons C. m-design-icons D. md-icon

Correct Answer: A. material-icons

17. **Type:** Skill; **PC Tested:** PC04; **Level:** Medium

Statement: Which of the following features of SVG (Scalable Vector Graphics) images in UI development is incorrect?

Options:

- A. SVG filters can add blur effect to images
- B. SVG images can be scaled by retaining the same sharpness at any size
- C. Parts of the SVG images can be manipulated using CSS and JavaScript
- D. It is an efficient format but the file size is often greater than PNG/JPEG formats

Correct Answer: D. It is an efficient format but the file size is often greater than PNG/JPEG formats

18. **Type:** Skill; **PC Tested:** PC09; **Level:** Hard

Statement: The picture shown explains theory of formation of a 9-Patch images. The image overlay breaks up into nine defined regions where each region has specific stretch property. In which of the given directions can regions B & H stretch?

A	B	C
D	E	F
G	H	I

Options:

- A. Pixels inside region B can stretch horizontally while Pixels inside region H can stretch only vertically

- B.** Pixels inside region H can stretch horizontally while Pixels inside region B can stretch only vertically
- C.** Pixels inside region H & B can stretch only horizontally.
- D.** Pixels inside region H & B can stretch only vertically.

Correct Answer: C. Pixels inside region H & B can stretch only horizontally.

SECTION 4/ NOS SSC/N9001 (Manage your work to meet requirements)

19. **Type:** Skills; **PC Tested:** PC01; **Level:** Medium

Statement: As you begin your day's work, which of the following should you take from the line manager regarding your work?

Options:

- A.** Names of the customers' whose requests must be processed
- B.** Work schedule and requirements for the day
- C.** List of equipment to be used for that day
- D.** Timings of tea and lunch break

Correct Answer, B. Work schedule and requirements for the day

20. **Type:** Skills; **PC Tested:** PC02; **Level:** Medium

Statement: While resolving customer issues, you must refer to many manuals and policy books. Which of the following is a good place to store all this reference material?

Options:

- A.** Right there on the desk for easy access
- B.** Organize around the desk storage
- C.** In the company's library
- D.** Line them on the overhead shelf in a logical order

Correct Answer, D. Line them on the overhead shelf in a logical order

21. **Type:** Skills; **PC Tested:** PC04; **Level:** Hard

Statement: You are in a meeting about economizing office resources and the host of the meeting invites suggestions from those present. Which of the following is not a viable suggestion?

Options:

- A. Waste printouts should be used for creating notepads for internal use
- B. Computers should be on automatic standby mode
- C. Air conditioning units should be maintained at ideal temperatures
- D. Computers should be shut down every time a person leaves his/her desk

Correct Answer, D. Computers should be shut down every time a person leaves his/her desk

22. **Type:** Skills; **PC Tested:** PC08; **Level:** Easy

Statement: A customer asks a technical detail regarding Radmin, which you are not aware of. What will you do in such a situation?

Options:

- A. Tell the customer it is not possible for you to disclose
- B. Discuss the situation with your line manager
- C. Ask a subject matter expert for the answer
- D. Put the phone down

Correct Answer, C. Ask a subject matter expert for the answer

23. **Type:** Theory; **PC Tested:** PC09; **Level:** Easy

Statement: Which of the following is an example of a day end report to be submitted to the line manager?

Options:

- A. Summary of cases handled, actions taken and statuses
- B. Complete hour by hour accounting of your time in office
- C. Complete list of calls that you attended
- D. Summary of the cases which were closed successfully

Correct Answer, A. Summary of cases handled, actions taken and statuses

SECTION 5/NOS SSC/N9002 (Work effectively with colleagues)

24. **Type:** Theory; **PC Tested:** PC01; **Level:** Hard

Statement: Which of the following should you keep in mind when communicating with your colleagues?

Options:

- A. Stating the issue clearly
- B. Giving concise information
- C. Providing accurate details
- D. All the given alternatives

Correct Answer, D. All the given alternatives

25. **Type:** Theory; **PC Tested:** PC04; **Level:** Easy

Statement: Which of the following is the correct way to respond to a colleague asking for your assistance?

Options,

A.



B.



C.



D.



Correct Answer, D.



26. **Type:** Skills; **PC Tested:** PC05; **Level:** Hard

Statement: You have committed to provide the error logs of customer problems to your colleague by EOD. However, due to heavy customer call traffic you have not been able to do that. What should you do?

Options:

- A.** Inform your colleague that you will give him the logs first thing the next morning
- B.** Ask one of your co-workers to forward the logs to your colleague
- C.** Take time out and ensure that you deliver the logs by EOD
- D.** Inform your supervisor and request him to talk to the colleague

Correct Answer, C. Take time out and ensure that you deliver the logs by EOD

27. **Type:** Skills; **PC Tested:** PC06; **Level:** Medium

Statement: Due to a personal emergency, you need to suddenly leave office in the middle of an ongoing escalation of a customer issue. What should you do?

Options:

- A.** Inform the customer that you will not be able to resolve his issue that day
- B.** Request a colleague to update the customer about the progress made
- C.** Ask the customer to call your supervisor for any progress update
- D.** Inform your supervisor and request him to handover the complaint to a colleague

Correct Answer, D. Inform your supervisor and request him to handover the complaint to a colleague

28. **Type:** Skills; **PC Tested:** PC08; **Level:** Easy

Statement: A newly joined colleague is facing difficulty in resolving technical problems of customers. What should you do in such a situation?

Options, **A.** Offer to guide him in basic troubleshooting techniques **B.** Ask him to observe carefully when a senior colleague solves a tricky issue **C.** Both A & B **D.** None of the given options

Correct Answer, C. Both A & B

SECTION 6/NOS SSC/ N9003 (Maintain a healthy, safe and secure working environment)

29. **Type:** Skills; **PC Tested:** PC01; **Level:** Medium

Statement: You are down with flu but must complete an important task at the office the next day. What should you do?

Options:

- A.** Come to office, finish your task and leave early
- B.** Come to office and ask your co-worker for help
- C.** Take a leave and ask a co-worker to complete your task
- D.** Inform your supervisor and take a leave as flu is contagious

Correct Answer, D. Inform your supervisor and take a leave as flu is contagious

30. **Type:** Skills; **PC Tested:** PC02; **Level:** Hard

Statement: You notice that a co-worker has been letting in his visitors inside the office building without filling any visitor's information details. What should you do?

Options:

- A.** Do not do anything as there is no danger from personal visitors
- B.** Request the co-worker to fill the visitor's information detail
- C.** Inform the security in-charge about non-compliance of the company's security procedure
- D.** Inform the supervisor

Correct Answer, C. Inform the security in-charge about non-compliance of the company's security procedure

31. **Type:** Skills; **PC Tested:** PC04; **Level:** Medium

Statement: You notice that the stairs in the office building are not properly lit which could lead to falling accidents. What should you do?

Options, A. Inform your supervisor **B.** Ignore the issue as people use elevators and not stairs **C.** Should not do anything as this is not your responsibility **D.** Inform the maintenance department and also warn your co-workers

Correct Answer, D. Inform the maintenance department and also warn your co-workers

32. **Type:** Theory; **PC Tested:** PC05; **Level:** Easy

Statement: What should you do if you see an intruder behaving suspiciously in the office?

Options:

A. Call the security in-charge and give him complete information

B. Physically confront the person

C. Block the person's access to an exit

D. Raise an alarm and warn your co-workers

Correct Answer, A. Call the security in-charge and give him complete information

SECTION 7/NOS SSC/ N9004 (Provide data/information in standard formats)

33. **Type:** Theory; **PC Tested:** PC01; **Level:** Easy

Statement: Whom should you consult with, if you want to know the daily report submission timeline?

Options: A. Supervisor **B.** Colleagues **C.** Any employee **D.** Any team member

Correct Answer, A. Supervisor

34. **Type:** Skills; **PC Tested:** PC02; **Level:** Hard

Statement: A customer asks you about technical specifications of your company's third-party software, but you do not have the exact knowledge. In which order, will you take the following steps to get correct information to give to the customer?

- A. Take detailed specifications from the subject matter expert
- B. Ask a senior colleague with troubleshooting experience in that software
- C. Discuss the issue with your manager

Options:

- A. A--> B --> C
- B. B --> C--> A
- C. A --> C --> B
- D. B -->A--> C

Correct Answer, B. B --> C--> A

35. **Type:** Skills; **PC Tested:** PC05; **Level:** Medium

Statement: A fault occurs in a secure category product of the company. How should you handle it?

Options:

- A. Ask your manager's permission to solve the problem
- B. Ask your manager to assign it to a senior colleague
- C. Ask a subject matter expert to help you in solving the problem
- D. Forward it to the specific team certified in operation and maintenance of secured products

Correct Answer, D. Forward it to the specific team certified in operation and maintenance of secured products

36. **Type:** Skills; **PC Tested:** PC05; **Level:** Easy

Statement: Which of the following categories require an in-depth analysis of data before it is shared with the client?

Options:

- A. Data collection
- B. Data extraction
- C. Data privacy
- D. None of the given options

Correct Answer, B. Data extraction

37. **Type:** Theory; **PC Tested:** PC08; **Level:** Easy

Statement: Which of the following problems should you report to your manager?

Options:

- A. Incorrect reporting of problem
- B. Incorrect detection of type of problem
- C. Incorrect solution of problem
- D. All the given alternatives

Correct Answer, D. All the given alternatives

SECTION 8/NOS SSC/N9005 (Develop your knowledge, skills and competence)

38. **Type:** Skills; **PC Tested:** PC01; **Level:** Medium

Statement: You need to learn manual security tools such as Paros Proxy and HttpWatch. Which of the following people can help you in such a scenario?

Options:

- A. Your QA Manager
- B. Your team members
- C. Professionals of these tools
- D. All the given alternatives

Correct Answer, D. All the given alternatives

39. **Type:** Skills; **PC Tested:** PC03; **Level:** Hard

Statement: Arrange the following steps that you will take to find out the competency development needs in relation to your role in the correct order.

- A. Assessment by Manager and Subject matter expert
- B. Self-Assessment through Competency Assessment Tool
- C. Internal Certifications

Options:

- A. A --> B --> C
- B. B -->A--> C
- C. B -->C-->A
- D. A --> C --> B

Correct Answer, B. B -->A--> C

40. **Type:** Theory; **PC Tested:** PC03; **Level:** Easy

Statement: While working on a project module with critical timelines, you feel stressed and are unable to work efficiently. Identify the knowledge and skills you should learn to handle such situations.

Options:

- A.** Knowledge of the practical application of engineering science and technology related to your project
- B.** Business Communication skills and Interpersonal skills
- C.** Behavioral skills such as Time management, Stress management and Goal setting
- D.** Leadership skills

Correct Answer, C. Behavioral skills such as Time management, Stress management and Goal setting

41. **Type:** Theory; **PC Tested:** PC05; **Level:** Medium

Statement: You have designed a plan to develop your competency in IP domain. Which of the following certifications is applicable to you?

Options:

- A.** Cisco Certified Network Associate
- B.** Microsoft Certified Network Associate
- C.** Oracle Certification
- D.** SAP Certification

Correct Answer, A. Cisco Certified Network Associate