**Set -1A**

**1. Using TestNG and WebDriver script Please try to cover the following. This question carries 15 marks. You are free to use any of the browsers (Chrome or Firefox)**

a. Open the website https://www.rediff.com/ (1/2 mark)

b. Click on the menu for News (1/2 mark)

c. Take a screenshot (showing that the News is clicked) (1/2 mark)

d. Get the Href’s of all the submenu items (e.g headlines, defence etc) (2 marks)

e. Assert that the tool tip of the adjacent menu item Business is “Business Headlines” (1.5 marks)

f. Hover the mouse on the adjacent menu item (Business) showing the tool tip “Business Headlines”. Take a screenshot showing the tooltip (4 marks)

g. Assert that the background colour of the submenu items for News is having the following RGB (188, 62, 49) value. ( 2 Marks)

h. Assert that the value of RGB in above step maps to the following colour name (Grenadier) – Hint use the following website to get the colour name from RGB values https://www.color-blindness.com/color-name-hue/ (4 Marks)

**2. Using WebDriver and TestNG create a Data Driven tests such that the menu items are read from an excel file. Sub Menus Href have to read from the excel sheet and the href values provided in excel sheet have to asserted. (15 Marks).**

**You are free to use any of the browsers (Chrome or Firefox)**

The excel sheet will have three columns Main Menu, Sub Menu, Href. Please use the following values below.

You have to

a) Read the values of Menu / SubMenu and Href from excel sheet and for each row and do the following – 6 marks

b) Assert that for the menu/Sbumenu, actual Href is same as expected HREF as per excel sheet value – 4 marks

c) Click on the submenu and take a screenshot of the new window thus opened. - 3 marks

Name the screen shot files as .jpg - 2 marks

|  |  |  |
| --- | --- | --- |
| Menu | SubMenu | Expected HREF |
| News | Headlines | <https://www.rediff.com/headline.html> |
| News | Defence | <https://www.rediff.com/news/defence> |
| News | Images | <https://www.rediff.com/news/slideshows> |
| News | Columns | <https://www.rediff.com/news/coloumns> |

**3. Using Page Object Model, JUnit and WebDriver script, open ‘https://www.rediff.com/’ and perform the following tasks: (15 points) . You are free to use any of the browsers (Chrome or Firefox)**

a. Please capture the By locators for the following in the POM page

1. BSE Index Value

2. NSE Index Value

3. Enter company or MF (input field)

b. Using the POM class create a Junit Test for printing the BSE Index Value, NSE Index Value and Enter company “Reliance Industries” in the company or MF Input field

c. Step b will open a new window, please assert that the title of this new window has “Reliance” in it

d. Using Selenium switch back to the previous window and assert that the title of that window has “Rediff.com:” in it

**4.** **Using JUnit and WebDriver do the following. You are free to use any of the browsers (Chrome or Firefox) (7 marks)**

a. Open the website https://www.rediff.com/ (1 mark)

b. Find out href of all the TopStories on the Rediff.com page using findElements (3 marks)

c. Store all the href’s in either a Text file, or an Excel file (You have to submit the file created) (3 marks)

**5.** **Creating utility class for excel or other common functionality. ( 3 marks)**

**6.** **TestNg suite and JunitRunner – 2.5 marks each.**

**Set -1B**

**1. Using TestNG and WebDriver script Please try to cover the following. This question carries 15 marks. You are free to use any of the browsers (Chrome or Firefox)**

a. Open the website https://www.rediff.com/ (1/2 mark)

b. Click on the menu for business (1/2 mark)

c. Take a screenshot (showing that the business is clicked) (1/2 mark)

d. Get the Href’s of all the submenu items (2 marks)

e. Assert that the tool tip of the adjacent menu item News is “News Headlines’” (1.5 marks)

f. Hover the mouse on the adjacent menu item (News) showing the tool tip “News Headlines’. Take a screenshot showing the tooltip (4 marks)

g. Assert that the background color of the submenu items for Business is having the following RGB (159,107,163) value. ( 2 Marks)

h. Assert that the value of RGB in above step maps to the following colour name (desert) – Hint use the following website to get the color name from RGB values https://www.color-blindness.com/color-name-hue/ (4 Marks)

**2. Using WebDriver and TestNG create a Data Driven tests such that the menu items are read from an excel file. Sub Menus Href have to read from the excel sheet and the href values provided in excel sheet have to asserted. (15 Marks).**

**You are free to use any of the browsers (Chrome or Firefox)**

The excel sheet will have three columns Main Menu, Sub Menu, Href. Please use the following values below.

You have to

a) Read the values of Menu / SubMenu and Href from excel sheet and for each row and do the following – 6 marks

b) Assert that for the menu/Sbumenu, actual Href is same as expected HREF as per excel sheet value – 4 marks

c) Click on the submenu and take a screenshot of the new window thus opened. - 3 marks

Name the screen shot files as .jpg - 2 marks

|  |  |  |
| --- | --- | --- |
| Menu | SubMenu | Expected HREF |
| Business | Headline | <https://www.reddif.com/headline.html> |
| Business | Coloumns | <https://www.reddif.com/business/columns> |
| Business | Specials | <https://www.reddif.com/business/specials> |
| Business | Personal Finance | <https://www.reddif.com/business/personal-finance> |

**3. Using Page Object Model, JUnit and WebDriver script, open ‘https://www.rediff.com/’ and perform the following tasks: (15 points) . You are free to use any of the browsers (Chrome or Firefox)**

a. Please capture the By locators for the following in the POM page

1. BSE Index Value

2. NSE Index Value

3. Enter company or MF (input field)

b. Using the POM class create a Junit Test for printing the BSE Index Value, NSE Index Value and Enter company “Kotak Mahindra Bank Ltd.” in the company or MF Input field

c. Step b will open a new window, please assert that the title of this new window has “Kotak Mahindra Bank Ltd.” in it

d. Using Selenium switch back to the previous window and assert that the title of that window has “Rediff.com:” in it

**4.** **Using JUnit and WebDriver do the following. You are free to use any of the browsers (Chrome or Firefox) (7 marks)**

a. Open the website https://www.rediff.com/ (1 mark)

b. Find out href of all the TopStories on the Rediff.com page using findElements (3 marks)

c. Store all the href’s in either a Text file, or an Excel file (You have to submit the file created) (3 marks)

**5.** **Creating utility class for excel or other common functionality. ( 3 marks)**

**6.** **TestNg suite and JunitRunner – 2.5 marks each.**

**Set -2A**

**Junit :**

1. Create a Junit test suite for all Junit questions.
2. Create a Junit test to open the url <https://www.hometown.in/> in firefox browser. Click on ‘More’ drop down and select ‘Electronics’. Under filter by , click on ‘color’ drop down and select ‘Red’.

Verify if the first product displayed has ‘Red’ in the product name.

Check if Red is present in Applied filters.

1. Create a Junit test to open the url <https://www.premierleague.com/> in firefox browser. Click on Tables from the menu. Click on Everton from the list. Print the official website in the new page and the page title.
2. Create a Junit test to open the url <https://www.cii.in/OnlineRegistration.aspx> in firefox browser. Select number of attendees to be 7. Verify a table with 7 rows are displayed. Select different options for Title for 3 rows in the table using different select options. Display all the options present in the title drop down.

**Testng :**

1. Create a testng suite to open the url [https://www.meripustak.com.](https://www.meripustak.com.Display) Print the height and width of the logo. Print the pinterest target url under follow us. Click on the shopping cart. Verify the message "No Item is Added In Cart yet.Cart is Empty!!!” in cart table. Search and add any cricket book in cart and verify the “no items is added .. “message no longer appears in table.
2. Create a testing suite to open url <https://www.woodlandworldwide.com/>. Have a test data sheet in excel with below values.

|  |
| --- |
| Bags |
| Belts |
| Socks |

Search the website using the above three keywords one by one and perform the following validations. Filter the search results from price low to high. Verify the first 8 products are displayed in ascending order of price as per filter.

**Set -2B**

**1.** **Using TestNG and WebDriver script, open** [**https://www.meripustak.com/**](https://www.meripustak.com/) **in Google Chrome and do the below: .(12 Points)**

Print the width and height of the logo. (2 points)

Under Follow us section on the bottom, extract and print the href of ‘twitter’ social media icon (Right a script in such a way, if the position of ‘twitter’ icon is changed tomorrow in the social media icons, our script should work) (3 points)

Click on the shopping cart when an item in the cart is 0 (1 point)

Assert the message in the shopping cart table “No Item is Added In Cart yet. Cart is Empty!!!” (2 points)

Add anyone java book in cart (2 points)

Verify if this message exists in the shopping cart table “No Item is Added In Cart yet. Cart is Empty!!!” (2 points)

**2. Using Junit  and WebDriver script, open** [**https://www.cii.in/OnlineRegistration.aspx**](https://www.cii.in/OnlineRegistration.aspx) **in Firefox and do the below: (10 points)**

Select “Number of Attendees” as 3  (2 points)

Assert the row count is 3 (2 points)

Select 1st-row title as ‘Admiral’ (1 point) (Please note use different method for every selection)

Select 2nd-row title as ‘CA’ (1 point) (Please note use different method for every selection)

Select 3rd-row title as ‘CS’(1 point) (Please note use different method for every selection)

Print all the options that are available in the title (3 points)

**3. Using Junit and WebDriver, open ‘https://www.hometown.in/’ in Firefox and do the below. (10 Points)**

Select Electronics from ‘More’ menu (2 points)

From Filter, section select the color as ‘Black’ (2 points)

When you go to the first product image, you will see Quick View option, click on that (2 points)

Assert that product name contains Black in a name. (2 points)

Close the Quick view window and verify if Black is also present in Applied filters (2 points)

**4. Using Junit and WebDriver script, open** [**https://www.premierleague.com/**](https://www.premierleague.com/) **in Firefox and do the below: (11 points)**

Click on Tables from the header (1 point)

From the tables, open ‘Arsenal’ club in a new window via context-click (3 points)

Find official website URL on the page and print on the console from the newly opened window (3 points)

Print the page title of the newly opened window (1 point)

Go back to the main window (2 points)

Print the page title again  (1 point)

**5.Create JUnit Test Suite for all JUnit scripts in this paper. (6 points)**

**Set -3**

1. **Navigate to** [**https://jqueryui.com/checkboxradio/**](https://jqueryui.com/checkboxradio/) **and verify whether Paris radio button is selected. If not, select it. Select all the checkboxes. (Chrome)**
2. **Go to “**[**https://code.makery.ch/library/dart-drag-and-drop/**](https://code.makery.ch/library/dart-drag-and-drop/)**” (Chrome)**
   1. Scroll to view “Custom Drag Avatar” heading
   2. Drag all the docs to bin and take screenshot before each drag
3. **Create POM files for the below requirement (Chrome)**
   1. Go to “<https://www.cii.in/>”
   2. Print all the Icon names of social media (right top corner)
   3. Click on “Contact Us” of bottom of the page
   4. Assert whether 1800 103 1244 present or not
4. **Navigate to** [**http://www.mptourism.com/**](http://www.mptourism.com/) **and search for keywords (these are present in excel) (Chrome)**

**Indore**

**Bhopal**

**Ujjain**

**Set -4**

1. **Go to** [**http://www.cii.in**](http://www.cii.in)**. (using page factory)**

Go to CII Services -> Sectoral Portfolio -> Food & Agriculture -> Agriculture.

Assert page Title.

Check for the social network icons and print their tooltips.

Take a screenshot at this instance.

1. **Prepare Junit suite for all the Junit questions.**
2. **Go to** [**http://www.nytimes.com/**](http://www.nytimes.com/)**.**

Print the available languages in which the site can be viewed.

Print the url to which the link Politics is pointing to.

Take screenshot.

Verify page title.

Go to Search, enter “arts” and from the result page, search how many result items are there.

1. **Go to** [**https://www.shoppersstop.com/**](https://www.shoppersstop.com/)**.**

From excel read the given keywords and search them.

In the results page for each item, sort the items in descending order.

Check whether the prices are in descending order.

1. **Go to** [**http://www.onlineconversion.com/length\_common.htm**](http://www.onlineconversion.com/length_common.htm)

Enter value 5.

Select feet from From list.

Select inch from To list.

Click on Convert button.

Verify the result follows the formula (value\*12).

1. **Go to** [**https://en.wikipedia.org/wiki/Main\_Page**](https://en.wikipedia.org/wiki/Main_Page)**.**

Search for the film “Memento (film)”.

Verify the runtime is 113 minutes in terms of hh:MM.

Verify the director is Christopher Nolan.

Verify the box office collection is $39.7 million.

Print the cast.

**Set -5**

**1.** **On http://www.meripustak.com/, search for the books related to the keyword.** Test1: Use keyword “Python”, Test2: Use keyword “Java” and Test3: Use keyword “Oracle”. These keywords are saved in an Excel file, read the search keywords from this file. Check the price of the books and print the new price of only those books which has discounted price in the eclipse log. Write script for Firefox in TestNG using WebDriver. Repeat this test for the first 10 books (15 points)

**2. Automate the following test scenario using TestNG/WebDriver: (10 points)**

* 1. Go to the below URL: https://www.google.com/maps/
  2. Search for “Wankhede Stadium” and then click on Maps
  3. Save the screen shot image at this test execution instant
  4. Verify the Text Present “Stadium” in the left frame
  5. Verify the Title “Wankhede Stadium - Google Maps”
  6. Print the ratings point and number of reviews in the console.
  7. Verify that link is Present “mumbaicricket.com” on the left frame.
  8. Print the address appearing above the “mumbaicricket.com”
  9. Verify that the phone number “022 2279 5500” is present
  10. Save the screen shot image at this test execution instant

**3. Open https://www.qaagility.com and write Junit / WebDriver test for the following using Firefox: (10 points)**

* 1. The title contains “QAAgility” in it.
  2. Get the size attributes for the QAAgility logo on top left corner
  3. Click on the menu option at the right hand side and in the drop down check whether the “Twitter” link is present below Contact Us
  4. Ensure that the footer text is “QAAgility Technologies Pvt. Ltd. © 2015. All Rights Reserved.”

**4.** **Using JUnit / WebDriver script, open http://www.allmovie.com/ in Firefox and search for movie “The Godfather” and do the below: (10 points)**

* 1. Print number of search results items found in eclipse console
  2. Click on the movie link page with release year “1972”
  3. Verify that the movie’s genre is “Crime” and MPAA rating is “A”.
  4. Verify on Cast & Crew page that the movie’s director’s name is “Francis Ford Coppola”
  5. Verify on Cast & Crew page that the Al Pacino’s character’s name is Michael Corleone

**5.** **Open http://ata123456789123456789.appspot.com/** and select the “Euclid(-)” option with first and second numbers 7 and 4 respectively. Write a JUnit / WebDriver test for Firefox to confirm whether the result value is indeed generated by the equation a2 – 2 \* (a \*b) + b2 . (10 points)

**6. Create JUnit Test Suite for all the JUnit questions in this exam. (5 points)**

**Set -6**

**1. On http://www.pepperfry.com/,** search for the items related to the search keyword. Rearrange the search results in Ascending order of the price. Test #1: Use keyword “Bedsheets”, Test #2: Use keyword “Clocks” and Test #3: Use keyword “Padlocks”. Save these keywords in an Excel (.xls) file, read the search keywords from this file and then execute your test. Write script in TestNG using WebDriver to test that the results are indeed in Ascending order in Google Chrome. (12 points)

**2. Open http://www.wikipedia.org and write JUnit/WebDriver test for the following using Google Chrome: (12 points)**

Display on console the number of articles in English and click on “English” link (3 points)

Search for Anna University. (3 points)

Print the 'Motto in English' part in the console and ensure it has the word 'Knowledge' in it. (3 points)

Ensure that “Shiv Nadar” is listed in notable people section (3 points)

**3. Open http://maps.google.com and write JUnit / WebDriver test for the following using Google Chrome: (10 points)**

Search for your home address (2 points)

Print the address text that is displayed in the left frame (2 points)

Take screenshot of the page at this instant and save the image (2 points)

Click on direction and get direction from your office address to your home (2 points)

Display the first option distance and time suggested in eclipse console (2 points)

**4. Create JUnit Test Suite for all Junit tests in this exam. (6 points)**

**5. Open the link http://mu.ac.in/portal and write JUnit / WebDriver test for the following using Chrome**

a. Under “Faculties”, select “Science”, and then select “Department of Information Technology”.

b. Print the Text Present under “Vision” in the console

c. Click on “Contact Us” and print the Address in the console.

d. Verify that the phone number “022-26500208” is present.

e. Verify that the email id uditoffice@gmail.com is present

f. Save the screen shot image at this test execution instant

**Set -7**

**1. Using JUnit/ WebDriver, open http://www.shoppersstop.com in Firefox: (10 points)**

Click on ‘Brands’ from the menu

Click on ‘Haute Curry' and capture a screenshot of the resulting page.

Verify if the page title is ‘Haute Curry|Shoppers Stop’.

Verify the text “Start Something New”

In the “FOLLOW US” section, print the URL that the Pinterest logo points to.

**2. Using JUnit / WebDriver script, open http://www.imdb.com/ in Google Chrome search for movie “Gangs of New York” and open the movie details page and do the below: (12 points)**

Verify that the movie’s run time is less than 180 min. (3 points)

Verify that the movie’s genre contains “Crime” (2 points)

Verify that the MPAA rating of the movie is “R” (2 points)

Go to the User Reviews section of the movie and display the name of the Reviewer on the Eclipse console (3 points)

**3. On http://www.firstcry.com/, search for the items related to the below given product names. Select the option to reload the results in descending order of the price.**

Test1: Use product name “Diaper”,

Test2: Use product name “Clock” and

Test3: Use product name “Shoe”.

These product names are to be saved in an Excel file, read the product names from this file. Write script for Google

Chrome in TestNG using WebDriver to test whether the first 8 products are in descending order of the price. (15 points)

**4. Create JUnit Test Suite for all the Junit questions. (5 points)**

**5. Open https://letterboxd.com/ and write TestNG / WebDriver test for the following using Firefox browser: (12 points)**

Verify the page heading contains ‘Letterboxd’.

Click on ‘PEOPLE’ from the top menu and capture a screenshot of the resulting page.

Print the names of the reviewers under the ‘Popular this week’ section

In the ‘Popular this week’ section, print the total number of reviews that the first reviewer has.

**Set -8**

**1. Using TestNG and WebDriver script Please try to cover the following. This question carries 15 marks. You are free to use any of the browsers (Chrome or Firefox)**

a. Open the website https://www.rediff.com/ (1/2 mark)

b. Click on the menu for “Get Ahead”(1/2 mark)

c. Take a screenshot (showing that the Get Ahead is clicked) (1/2 mark)

d. Get the Href’s of all the submenu items (e.g headlines, specials etc) (2 marks)

e. Assert that the tool tip of the adjacent menu item Business is “REALTIME NEWS” (1.5 marks)

f. Hover the mouse on the adjacent menu item (Business) showing the tool tip “REALTIME NEWS”. Take a screenshot showing the tooltip (4 marks)

g. Assert that the background colour of the submenu items for News is having the following RGB (116, 98, 224) value. ( 2 Marks)

h. Assert that the value of RGB in above step maps to the following colour name (Medium Purple) – Hint use the following website to get the colour name from RGB values https://www.color-blindness.com/color-name-hue/ (4 Marks)

**2. Using WebDriver and TestNG create a Data Driven tests such that the menu items are read from an excel file. Sub Menus Href have to read from the excel sheet and the href values provided in excel sheet have to asserted. (15 Marks).**

**You are free to use any of the browsers (Chrome or Firefox)**

The excel sheet will have three columns Main Menu, Sub Menu, Href. Please use the following values below.

You have to

a) Read the values of Menu / SubMenu and Href from excel sheet and for each row and do the following – 6 marks

b) Assert that for the menu/Sbumenu, actual Href is same as expected HREF as per excel sheet value – 4 marks

c) Click on the submenu and take a screenshot of the new window thus opened. - 3 marks

Name the screen shot files as .jpg - 2 marks

|  |  |  |
| --- | --- | --- |
| **Menu** | **SubMenu** | **Expected HREF** |
| getahead | Headlines | https://www.rediff.com/headline.html |
| getahead | Specials | <https://www.rediff.com/getahead/ugc> |
| getahead | Careers | <https://www.rediff.com/getahead/career> |
| getahead | Glamour | <https://www.rediff.com/getahead/glamour> |

**3. Using Page Object Model, JUnit and WebDriver script, open ‘https://www.rediff.com/’ and perform the following tasks: (15 points). You are free to use any of the browsers (Chrome or Firefox)**

a. Please capture the By locators for the following in the POM page

1. BSE Index Value

2. NSE Index Value

3. Enter company or MF (input field)

b. Using the POM class create a Junit Test for printing the BSE Index Value, NSE Index Value and Enter company “Reliance Industries” in the company or MF Input field

c. Step b will open a new window, please assert that the title of this new window has “Reliance” in it

d. Using Selenium switch back to the previous window and assert that the title of that window has “Rediff.com:” in it

**4.** **Using JUnit and WebDriver do the following. You are free to use any of the browsers (Chrome or Firefox) (7 marks)**

a. Open the website https://www.rediff.com/ (1 mark)

b. Find out href of all the TopStories on the Rediff.com page using findElements (3 marks)

c. Store all the href’s in either a Text file, or an Excel file (You have to submit the file created) (3 marks)

**5.** **Creating utility class for excel or opening browser functionality. ( 3 marks)**

**6.** **TestNg suite and JunitRunner – 2.5 marks each.**

**Set -9**

* + 1. **Create a TestNG and WebDriver script for the following:**

a. Open the website ‘https://www.ndtv.com/business’

b. Use Page object model to access all the Top Level Locators

c. Use Page object model to access all the Bottom Level Locators

d. Print their href in the main class

e. Assert that the business href in the top and bottom locators are same.

**Set -10**

**1. Creating utility class for excel, reusable methods or other common functionality.**

* + 1. **Create a TestNG test suite for all TestNG questions.**
    2. **Create a TestNG and WebDriver script for the following:**

a. Open the website: <https://www.ndtv.com/business>

b. Print Href of all the TOP STORIES on the console

c. Assert that the tool tip of the LATEST menu item is “Latest”

d. Switch to Latest menu item page

e. Print the title of Latest menu item Page

f. Check the top 3 stories in Latest tab

g. Switch to Main Window

h. Print the page title of main window

**4. Using TestNG and WebDriver script Please try to cover the following.**

a. Open the website: https://www.ndtv.com/business (1/2 mark)

b. Click on SITE and take screenshot at this instance

assert if the value initially shown in the dropdown is Site. (2 marks)

(Screenshot is needed at this stage)

c. Select “STOCK” from dropdown and take screenshot (1 mark)

d. Search for “Infosys” (1/2 mark)

e. On the search result page scroll down to look for Video Results. Fetch out the total number of video results for Infosys, this number should be printed as an integer on the Eclipse console. (2 marks)

f. Assert that the video results number fetched is greater than 1 (one) (2 marks)

g. Get Href of the first video result (1 mark)

h. Navigate to the video URL (1 mark)

1. **Test NG: Navigate to** [**http://www.ndtv.com/business**](http://www.ndtv.com/business) **and print the Sensex and Nifty Values. Check the RGB colour of Sensex and Nifty**
2. Google map
3. Runtime< 180mins, set 7-2