

## Practical No. 20: Browser Settings and Uses

I

### Practical Significance

Now days Internet is very useful to get many services/applications such as e-Mail, Chat, Video Conferencing, e-learning, e-shopping, e-Reservation. In order to use Internet effectively, we need to use browser with different settings. This practical is useful to develop this skill.

II

### Relevant Program

**Experiments and practice:** Plan to perform experiments, practices and to use the results to solve Information Technology related problems.

**Engineering tools:** Apply appropriate Information Technology related techniques/ tools with an understanding of the limitations.

**Environment and sustainability:** Apply Information Technology related engineering solutions for sustainable development practices in environmental contexts.

**Individual and team work:** Function effectively as a leader and team member in diverse/multidisciplinary teams.

**Communication:** Communicate effectively in oral and written form.

III

### Relevant Course Outcomes

Use different types of web browsers.

IV

### Practical Learning Outcome

Apply the given setting option in browsers.

Use the specified option for effective searching in search engine.

V

### Practical Skills

Basic settings of web browsers- history, extension, default page, default search engine, creating and retrieving bookmarks, use search engines effectively for searching the content.

VI

### Relevant Affective domain related Outcomes

1. Follow safety practices.
2. Practice good housekeeping.

VII

### Minimum Theoretical Background

While working with internet one needs to use available browser which make communication with web server. The user needs to understand basic settings of web browser. The web browser setting contains history, default web page, default search engine etc. One can make use of bookmarks to open certain webpages instantly. Cookies are also important in web browser to make sure that computer can be easily recognized in upcoming sessions with same web site.

VIII

### Circuit diagram / Experimental set-up / Work Situation

-Not Applicable-

**IX Resources required**

Sr. No.	Name of Resource	Specification	Qty.	Remarks
1	Computer System	Any desktop or laptop with basic configuration	One computer system for each student	Internet connection
2	Browser	Internet Explorer, Google Chrome, Opera, Mozilla Firefox or any other web browser		

**X Procedure**

1. Open the browser. Go to Internet Options. Set and Unset the Default Page, Default Search Engine, Default Browser.
2. Go to "Privacy". Clear browsing data: download history, clear browsing history, and cookies and plug in data, cache images and files, passwords, auto fill form data.
3. Set or Unset cookies data.
4. Click on Extensions: enable or disable plug in.

**XI Precautions (if any)**

1. Ensure auto-save field is disabled.
2. Disable auto save username and password.

**XII Actual procedure followed**

PLEASE REFER POINT X. PROCEDURE

**XIII Resources used (with major specifications)**

1) Computer system Any desktop or laptop with basic configurations  
 2) Browser Internet explorer, Google chrome, Firefox etc.

**XIV Precautions followed**

- 1) Ensure auto save field is disabled.
- 2) Disable auto save Username and password

**XV Observations and Calculations**

- Not Applicable -

**XVI Results**

Thus got to know more about settings of Browser.

**XVII Interpretation of Results**

Got to know more about settings of Web Browser for better understanding.

**XVIII Conclusions and Recommendations (if any)**

Step by step got to know settings of all different Web Browsers, like google chrome, internet explorer etc.

XIX

### Practical Related Questions

*Note: Below given are few sample questions for reference. Teachers must design more such questions so as to ensure the achievement of identified CO.*

1. Write steps to set the Default Search Engine in the browser?
2. What is the importance of setting or unsetting the Cookies data?
3. Write two advantages of keeping web History.

XX

### Exercise

*Note: Below given are few sample questions for reference. Teachers must design more such questions so as to ensure the achievement of identified CO.*

1. Clear the browsing history till "Last two days".
2. Open a browser setting and make following website as default website/web page  
[www.nptel.ac.in](http://www.nptel.ac.in)
3. Open following web site and make it as bookmark.  
[www.msbtte.org.in](http://www.msbtte.org.in)

XXI

### References / Suggestions for further Reading

1. <https://support.google.com/>
2. <https://support.microsoft.com/>
3. <https://support.mozilla.org/>

XXII

### Assessment Scheme

Performance indicators		Weightage
<b>Process related (10 Marks)</b>		<b>40 %</b>
a.	Tool Selection Ability.	20%
b.	Use of Appropriate tool to perform the identified task(s)	20%
<b>Product related (15 Marks)</b>		<b>60 %</b>
a.	Performed/completed the identified task(s)	20%
b.	Correctness of output achieved	20%
c.	Completed the practical in stipulated time	10%
d.	Correctness of question asked	10%
<b>Total ( 25 Marks)</b>		<b>100 %</b>

#### List of Student Team Members

1. ....
2. ....
3. ....
4. ....

Marks Obtained			Dated signature of Teacher
Process Related(10)	Product Related(15)	Total(25)	

(Space for Answer)

**Practical Related Question**

- Q1) Write step to set the default search engine Browser.
- Answer) 1) First 'Type' or settings on 'Type here to search' option.  
 2) A list of options will open up.  
 3) Click on the option APPS.  
 4) Then, on the screen there is a option DEFAULT APPS.  
 5) Then, we can choose default app for Web Browser.  
 Q Generally we choose Google chrome as Default Browser.

Note:- The Above method is for Windows 10 software.

- Q2) what is the importance setting or resetting the cookie data?

Answer) If a virus attacks our mobile, then we skip it. If it remains as a cookie in History page, then it may attack again and this new time it may cause more destruction than last time. So we should always delete or go on setting on previous history.

- Q3) Write two advantages of keeping web History.

Answer) Advantages of Web History are as follows:

- 1) It can save your time in tracking of recent searches.
- 2) It can improve web surfing experience.
- 3) It provides an organised list of sites and pages you visit the most.