IT Tools Assignment :

1. Explain Green Computing with its advantages

1) Green computing technique reduces the energy consumption which results into low carbon dioxide emission.

2) By using green computing techniques we can also save money that was spent in extra usage of energy and resources.

3) Green computing also applies changing government policy to encourage recycling. 4) Green computing also removes the risk which is existing in the laptop such as chemical known to cause cancer or nerve damage etc.

5) Use preserve resources which use less energy to produce use and dispose of product.

2. What is E-waste? What can be done to reduce the impact of E-waste

E-waste is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products. Many of these products can be reused, refurbished, or recycled.

• To reduce the impact of E-waste We should follow the steps given below:

1. Donate or Sell Working Electronics.

2. Consume Less in Order to Reduce Your E-Waste.

3. Use Your Old Mobile Phone as a GPS Device.

4. Recycle via a Retailer.

5. Check E-Cycling Centers in Your State.

6. Organize Your Electronics.

7. Know Your State's Laws About Battery Disposal.

8. Store Your Data Online.

3. What are the benefits of going paperless.

Benefits of Going Paperless ::-

• Saves Time : Time spent filing, organizing, and searching for paper documents is time that could be spent on more productive tasks.

• Saves Space: Paper takes up a lot of space – as do filing cabinets and space to store those filing cabinets.

• Saves Money: Going digital improves process efficiency, saving you money. Paperless offices can process a much larger volume of paperwork compared to traditional offices in the same amount of time.

• Eases Transfer of Information: Document management software offers a simple process for saving documents. The software easily compiles digital documents using scanners, mobile capture using a camera on a phone or tablet or importing any file type (.docx, .pdf, image files).

• Promotes the Environment: Manufacturing paper products produce greenhouse gases, causing deforestation and global warming. Recycling can offset some of the environmental impact, but not by much. Most paper eventually ends up in a landfill.

• Boosts Security: Physical documents are hard to track , reams of paper can get lost, misfiled or destroyed without anyone noticing. It can also be difficult to monitor the access, printing and copying of sensitive files.

4. What is Github? Give advantages of using Github.

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

It's free and it is open source:

Github is completely free and you can use it without paying and since it is an open source you can download the source code and can make changes as per the requirements.

It is fast:

Since most of the operations are preferred locally, it allows huge benefit in terms of speed.

It provides good backup:

Here chance of losing data is very low as it provides the multiple copies of it.

Multiple developers can work:

Github allows multiple developers to work on a single project at a time. It helps all the team members to work together on a single project at a time from different locations.

5. Write a program using PEP8 rule

```python
name = 'John Smith'
first_name, last_name = name.split()
print(last_name, first_name, sep=',')
```

PROBLEMS   TERMINAL   ···   1: Python

```
Smith,John
PS C:\Users\mehta> & python "c:/Users/mehta/OneDrive/Desktop/New Text Docum
ent (3).py"
Smith,John
```