

# STUDY MATERIAL

## [TAMIL COMPUTING]

- **COMPUTER SCIENCE (For Science Group)**
  - Unit V -Computer Ethics And Cyber Security
    - Chapter 18 Tamil Computing
- **COMPUTER APPLICATIONS (For Commerce Group)**
  - Unit V – Tamil Computing
    - Chapter 18 Tamil Computing
- **COMPUTER TECHNOLOGY (For Occasional Group)**
  - Unit V – Computer Networks, Internet and Email
    - Chapter 16 Tamil Computing

**SECTION – I****Choose the correct answer**

1. The first Tamil programming language is \_\_\_\_  
a) Ponmadal b)Thamizpori c) Sellinam d) Ezhil
2. The \_\_\_\_are used to search any information from the cyber space.  
a) Web Browsers b) Search Engines c) Website d) None of the above
3. Which of the following is not a Tamil keyboard interface?  
a)NHM Writer b)E-Kalappai c) TamilPori d)Lippikar
4. Project Madurai launch in  
a)1998 b)2004 c)2001 d)2005
5. Getting Government services through internet is known as \_\_\_\_  
a)e-Service b) e-Governance. c)both a and b d)none of these
6. \_\_\_\_and \_\_\_\_ provide searching facilities in Tamil.  
a)Google b)Bing c)both a and b d)none of these
7. Among the various encoding scheme, \_\_\_\_is the suitable to handle Tamil.  
a)ISCII b)ASCII c)Unicode d)none of these
8. Expand IANA  
a) Internet Assigned Numbers Authority  
b) Internet Authority Numbers Assigned  
c) International Authority Numbers Assigned  
d) International Assigned Numbers Authority
9. The first version of Unicode 1.0.0 was introduced on  
a)1991 b)1998 c)2001 d)2005
10. Which of the following search engines gives Tamil virtual keyboard?  
a)Google b)Bing c)both a and b d)none of these

**Answer for Objective Questions:**

1)b	6)c
2)b	7)c
3)c	8)a
4)a	9)a
5)b	10)a

## SECTION II

### 2 marks:

**1. Name some search engines provide searching facilities in Tamil.**

Google and Bing provide searching facilities in Tamil, which means you can search everything through Tamil.

**2. Tabulate any two web address of e-governance through Tamil.**

E-Governance through Tamil	Web Address
Official Website of Govt. of Tamilnadu	<a href="http://www.tn.gov.in/ta">http://www.tn.gov.in/ta</a>
Directorate of Govt. Examinations	<a href="http://www.dge.tn.nic.in/">http://www.dge.tn.nic.in/</a>

**3. Define e-library.**

E-Libraries are portal or website of collection of e-books.

**4. Tabulate any two web address of e-Library through Tamil.**

Tamil e-Library	Web Address
Tamil Virtual Academy	<a href="http://www.tamilvu.org/library/libindex.htm">http://www.tamilvu.org/library/libindex.htm</a>
Noolaham	<a href="http://www.noolaham.org/wiki/index.php/">http://www.noolaham.org/wiki/index.php/</a>

**5. Name some familiar Tamil Keyboard interfaces**

- NHM Writer, E-Kalappai and Lippikar – are familiar Tamil keyboard interfaces software that is used for Tamil typing which works on Tamil Unicode, using phonetics.
- Sellinam and Ponmadal – are familiar Tamil keyboard layouts that work on Android operating system in Smart phone using phonetics.

**6. What is ISCII?**

ISCII is one of the encoding schemes specially designed for Indian languages including Tamil. It was unified with Unicode.

**7. What is Tamizpori?**

- Thamizpori (தமிழ்ப்பரி) is a Tamil translation application having more than 30000 Tamil words equivalent to English words.
- Using this application, we can translate small English sentences into Tamil.

## SECTION III

**3 Marks:****1. Write short note on Tamil Office Automation applications.**

- Famous Office automation software like Microsoft Office, Open Office etc., provides complete Tamil interface facility.
- These softwares are downloadable and installed in your computer.
- After installation, your office automation software environment will completely changed to Tamil. Menu bars, names of icons, dialog boxes will be shown in Tamil.
- Moreover, you can save files with Tamil names and create folders with Tamil names.

**2. Write short note on Tamil Programming language.**

Based on Python programming language, the first Tamil programming language “Ezhil” (ஐஐஐஐஐ) is designed. With the help of this programming language, you can write simple programs in Tamil.

**3. Write short note on TSCII.**

- TSCII (Tamil Script Code for Information Interchange)
- It is the first coding system to handle our Tamil language in an analysis of an encoding scheme that is easily handled in electronic devices, including non-English computers.
- This encoding scheme was registered in IANA (Internet Assigned Numbers Authority) unit of ICANN.

**4. What are the operating system providing Tamil interfaces? Give an example.**

All operating systems used in computers and smart phones offered environment in Tamil.

**Example:**

- ✓ Windows Tamil Environment interface should be downloaded and install from internet.
- ✓ It shows all windows elements such as Taskbar, desktop elements, names of icons, commands in Tamil.

**5. Name some Organization and projects to develop Tamil.**

- Tamil Virtual Academy
- Tamil Language Council, Singapore
- Madurai Project
- Tamil Wikipedia