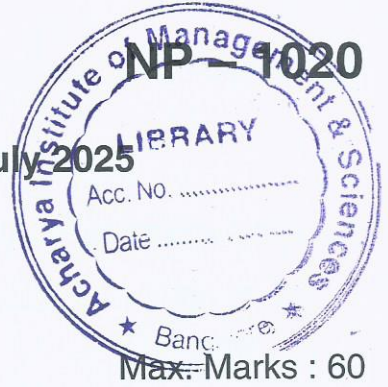




**IV Semester B.C.A. Examination, June/July 2025**  
**(NEP) (F+R)**

**COMPUTER APPLICATIONS**  
**4.3 : Internet Technologies**



Time : 2½ Hours

**Instruction : Answer all Sections.**

**SECTION – A**

I. Answer **any four** questions. **Each** question carries **two** marks. **(4×2=8)**

- 1) What is Uniform Resource Locator ?
- 2) What is a Cookie ?
- 3) What is Hyper Link ?
- 4) Name any four web designing tools.
- 5) Define Protocol.
- 6) Define Internet and WWW.

**SECTION – B**

II. Answer **any four** questions. **Each** question carries **five** marks. **(4×5=20)**

- 7) Explain any four HTML tags with example.
- 8) Explain the applications of internet and discuss their advantages.
- 9) What are cookies ? Explain the types of cookies.
- 10) Distinguish the difference between client-side and server-side scripting.
- 11) Explain the types of HTML list.
- 12) Discuss the terms text mining and web mining.



## SECTION – C

III. Answer **any four** questions. **Each** question carries **eight** marks. **(4×8=32)**

- 13) Explain web information retrieval architecture and google page rank algorithm.
  - 14) A) Explain search tools and search service.  
B) What is Bootstrap ?
  - 15) A) Explain web application frameworks.  
B) What is File Transfer Protocol (FTP) ?
  - 16) A) Explain internet architecture with a diagram.  
B) Write a short note on Model View Controller Architecture (MVC).
  - 17) Write a Javascript program on form validations.
  - 18) A) Explain web database.  
B) Explain research trends on the web application.
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