



# MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)  
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu.

## Department of Computer Science and Engineering Question Bank - Academic Year (2021-22)

**Course Code & Course Name** : 16CSD16 / Internet Programming  
**Name of the Faculty** : M.RAMYA  
**Year/Sem/Sec** : IV/VII/B

### Unit-I: Introduction

#### Part-A (2 Marks)

1. Why IPV4 to IPV6?
2. Difference between Flow control and Error control mechanism.
3. What is meant by RTT?
4. List out the information contained in a DNS resource record
5. Define Network of Networks.
6. What are the necessary conditions for an effective and efficient network?
7. Differentiate Internet and Intranet.
8. How the TCP layer can be divided into segment.
9. Outline about Gateway.
10. State three main division of the domain name space.

#### Part-B (16 Marks)

- 1.(i). Explain in detail about TCP Congestion Control with its mechanisms. (8)  
(ii) Discuss the Flow Control Mechanism with an Example. (8)
- 2.(i). Elaborate the concepts of Domain Name System in detail. (8)  
(ii). Describe about the types of Sub netting in detail. . (8)
3. Write short notes on: (8)  
(i)Go back NARQ  
(ii)Selective repeat ARQ . (8)
- 4.(i) Discuss about the Architecture of Internet Protocol version 4. (8)  
(ii) Why IPV6 are preferred instead of IPV4 in detail. (8)
- 5.(i) Criticize the concept of FTP in computer networks. (8)  
(ii) How the frame format are interpreted in HTTP Protocol. (8)

**Unit-II : HTML**  
**Part-A (2 Marks)**

1. Define XSLT.
2. Write about html form tag with its attributes.
3. Mention the Different types of Links in HTML.
4. Why frames are used in HTML.
5. Outline the concept of XQuery.
6. What do you mean by Cookies?
7. Where the XML Parser are used significantly.
8. List out the importance of Scripting Language.
9. Difference between CSS and XSLT.
10. What are the types of entity Declaration in XML.

**Part-B (16 Marks)**

1. Develop static pages using HTML of an online Book store. (16)  
The website should contain the following pages.  
(i)Home page  
(ii) Registration and user Login  
(iii)User Profile Page  
(iv)Books catalog e. Shopping Cart  
(v)Payment By credit card  
(vi) Order Conformation
2. Difference between CSS and XSL. Briefly explain XQuery with an example. (16)
3. Explain in detail about XML tag and its attributes with an example. (16)
4. Create a Website using HTML Tag which displays the Student Information with marks of all Semester. (16)
5. Compare and Contrast the concepts of HTML, XHTML and XML with an example. (16)

**Unit-III : PERL**  
**Part-A (2 Marks)**

1. What are the types of variable used in PERL?
2. Write short notes about Java container.
3. Difference between the variables in which chomp function work.

4. Identify the differences between Java and JavaScript.
5. Write the importance of PERL.
6. Define JAVA Applet.
7. What is the use of -w, -t and strict in Perl?
8. Which Feature of PERL uses code reusability?
9. Does PERL have object .Give reason.
10. Which function should allow you to include module file?

**Part-B (16 Marks)**

1. How the files operation can be done using PERL language and illustrate with an example (16)
2. Discuss in detail about the file operation using JavaScript. (16)
3. Explain the Life cycle of Java Applet in detail with an example. (16)
4. Describe in detail about how to set and get cookies in PERL CGI. (16)
5. Summarize the types of Operators in JavaScript with an example in detail. (16)

**Unit-IV : Client-Server Programming**

**Part-A (2 Marks)**

1. Differentiate Virus and Worms.
2. Why the Firewalls are used for enhancing the security.
3. What are Active Attacks?
4. What is the relationship between the RMI and CORBA?
5. Write short notes on Secure Socket Layer.
6. Outline the definition of Datagram
7. Express the term Container
8. Denial of Service Attack.
9. Define Trojan horse
10. Elaborate Spoofing.

**Part-B (16 Marks)**

1. Describe the types of Network Security Techniques in detail. (16)
2. Expand about Java RMI with its Architecture in detail. (16)
3. Summarize the types of Firewall techniques and Explain in detail. (16)

4. Define VPN and Illustrate about its Architectures and uses. (16)
5. (i) Discuss the concept of virus and threats with its countermeasure. (8)
- (ii) Explain the types of Application proxy in detail. (8)

### **Unit-V : Internet Telephony**

#### **Part-A (2 Marks)**

1. What is meant by RSVP?
2. State SERP.
3. Express SIP? Give its need.
4. Define the term Indexing?
5. Write short notes on VoIP
6. What are the steps in web crawler?
7. What is the use of Ranking?
8. Give the benefits of IPTV.
9. Enumerate RSVP.
10. Write the benefits of Streaming

#### **Part-B (16 Marks)**

1. Define Web Crawler and explain in detail about Search engine Optimization with its use. (16)
2. What is the role of Internet telephony? Demonstrate any one Protocol used by internet telephony (16)
3. Explain in detail about RTCP and RTP and its use. (16)
4. What is the role of IPTV? Discuss about audio and video streaming applications in detail. (16)
5. How the voice over IP is used in Multimedia applications with an example. (16)

**Course Faculty**

**HoD**