

P.G.D.C.A Semester - 1 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2018)
NETWORKING, INTERNET AND WEBPAGE DEVELOPMENT(CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que.1(A) Define the following: (03)
- 1) Network Topology
 - 2) OSI Reference Model
 - 3) Intranet
- Que.1(B) Answer any two of the following: (06)
- 1) Explain the types of computer networks with examples.
 - 2) What is TCP/IP, and why is it important?
 - 3) Describe the role of an Internet Service Provider (ISP).
- Que.1(C) Answer any one of the following: (05)
- 1) Explain the OSI Reference Model in detail.
 - 2) Discuss the different types of network topology with diagrams.
- Que.2(A) Define the following: (03)
- 1) E-Commerce
 - 2) URL
 - 3) Digital Cash
- Que.2(B) Answer any two of the following: (06)
- 1) What is a search engine, and how does it work?
 - 2) Explain the concept and use of mobile commerce.
 - 3) Discuss the importance of website hosting and web servers.
- Que.2(C) Answer any one of the following: (05)
- 1) Explain the different types of payment systems used in e-commerce.
 - 2) What are the key features of a web browser?
- Que.3(A) Define the following: (03)
- 1) HTML Tag
 - 2) Link Tag
 - 3) Section Tag
- Que.3(B) Answer any two of the following: (06)
- 1) Explain the difference between static and dynamic websites.
 - 2) How are forms created in HTML?
 - 3) What is the purpose of the <audio> and <video> tags in HTML5?

- Que.3(C) Answer any one of the following: (05)
- 1) Explain the structure and syntax of an HTML5 document.
 - 2) Discuss the use of tables and frames in HTML.
- Que.4(A) Define the following: (03)
- 1) ID Selector
 - 2) CSS Border Property
 - 3) CSS Transition Property
- Que.4(B) Answer any two of the following: (06)
- 1) How does a class selector differ from an ID selector in CSS?
 - 2) Explain the use of padding and margin properties in CSS.
 - 3) What is a gradient in CSS, and how is it applied?
- Que.4(C) Answer any one of the following: (05)
- 1) Discuss the new features introduced in CSS3.
 - 2) Explain the concept of 2D and 3D transformations in CSS.
- Que.5(A) Define the following: (03)
- 1) JavaScript Variables
 - 2) Loop
 - 3) Event Handling
- Que.5(B) Answer any two of the following: (06)
- 1) Explain the importance of functions in JavaScript.
 - 2) How does form validation work in JavaScript?
 - 3) Describe JavaScript's use of conditional statements.
- Que.5(C) Answer any one of the following: (05)
- 1) Write a JavaScript function to validate an email address.
 - 2) Explain the different types of dialog boxes in JavaScript.
