Advanced HTML Exam Paper

Total Marks: 100
Time: 2 Hours

Note: Use proper indentation, semantic HTML5 tags, and attributes where necessary.

Part A: Theory (20 Marks)

1. What is the difference between **semantic tags** (like <header>, <article>) and **non-semantic tags** (like ,)? Give examples. (5 marks)

2. Explain the purpose of the following attributes with examples:
- alt in <img>
- target="_blank" in <a>
- required in <input>
- placeholder in <input>
- colspan in <td> (5 marks)

3. What is the difference between **ordered list**, **unordered list**, and **description list**? Give an example of each. (5 marks)

4. Why should we always write **<!DOCTYPE html>** at the beginning of an HTML document? (5 marks)

Part B: Practical (80 Marks)

Q1: Complete Webpage Structure (15 Marks)
Create a basic HTML5 webpage structure with:
- <header> containing a website title and a navigation menu (Home, Blog, Gallery, Contact).
- <main> containing one <article> with a heading, 2 paragraphs, and an image.
- <footer> with copyright text.

Q2: Complex Form (20 Marks)
Create a registration form with the following fields:
- Full Name (text input, required)
- Email (email input, required, placeholder “Enter your email”)
- Password (password input, required, min 6 characters)
- Date of Birth (date input)
- Gender (radio buttons: Male, Female, Other)
- Country (dropdown with 3 countries)
- Hobbies (checkboxes: Reading, Traveling, Coding, Sports)
- A textarea for comments
- Submit button

Q3: Table with Complex Structure (15 Marks)
Create a table showing Course Schedule. Use rowspan and colspan properly and add a caption above the table.

Q4: Multimedia Embedding (10 Marks)
- Embed a YouTube video using <iframe>
- Add an audio file with controls
- Add a video file with controls and autoplay disabled

Q5: Nested Lists & Links (10 Marks)
Create a nested list:
- Programming Languages
- Frontend
- HTML (link to W3Schools HTML page)
- CSS
- JavaScript
- Backend
- PHP
- Node.js

Q6: Forms + Table Combined Mini Project (10 Marks)
Create a student result form where:
- User can input Student Name, Subject, Marks
- Below the form, display a static table with at least 3 students' results.