

Mid-West University
Examinations Management Office

End Semester Examinations 2081

Bachelor level/ B.E. Computer/ 3rd Semester

Full Marks: 50

Time: 3 hours

Pass Marks: 25

Subject: Web Programming and Techniques (CO433/507)

- Attempt all the questions
- Figures in the margin indicate full marks.
- Assume suitable values, with a stipulation, if necessary.
- Candidates are required to answer the questions in their own words as far as possible.

1. What are client/ server computing paradigm in web technology. How does browser server interact using HTTP? Write major characteristics of HTTP. [2+3]
2. Describe CSS box model and CSS selectors. Explain the different PHP string function with an example. [2.5+2.5]
3. What is web document? Write a code for making a form of registration of library management system including the field like Name, Address, Mobile No, Email Id, Gender After posting print the above fields in next page submission PHP. [1+4]
4. What is JavaScript DOM? Compare server side scripting with client side scripting language. [2+3]
5. Discuss the relevance of content management system in web application. Explain shortly web application framework. [2.5+2.5]
6. List-out the examples and features of web 3.0. Highlight the necessity of Blogs, Wikis and social networking. [2+3]
7. What is form validation? Write a HTML code to create the following table. (Make all required assumptions) [1+4]

| Mid-West University, Surkhet | | Seats |
|------------------------------|------------|-------|
| Engineering Programs | Hydropower | 48 |
| | Computer | 48 |
| | Civil | 48 |

8. What is an XML document? List-out the characteristics of DTD. Explain shortly how XSLT works? [1+1+3]
9. What are ontologies? Discuss the Service Oriented Architecture in web services. Compare SOAP Vs. REST. [1+2+2]
10. Write short notes on (any two); [5]
 - a. Multitier Architecture
 - b. AJAX
 - c. RDF
 - d. WCMS

The End