

Candidates are required to give their answers in their own words as far as practicable.

Figure in the margin indicate full marks.

**Group A****Answer TWO questions.**

2×12=24

1. Why XML is so popular now-a-days? Explain XSL and XSLT with example. What is AJAX? 3+7+2
2. Explain database connectivity in PHP with program code (Assume necessary data). Can we execute DDL commands using DPH? What are cookies? 8+2+2
3. What is control structure in PHP? Write HTML code for the following client registration form and store the client details to the database after performing the required validation using PHP. 2+10

First Name

Last Name

Address

Password

Gender

Country

Terms &amp; Condition

<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
<input type="radio"/> Male	<input type="radio"/> Female
<input type="text"/>	
<input type="checkbox"/>	I agree
<input type="button" value="Submit"/>	<input type="button" value="Reset"/>

Contd. ...

**Group B****Answer SEVEN questions.**

7×8=56

4. What is object oriented programming? Explain the access modifiers with a PHP program.
5. How can you implements inheritance in PHP explain with suitable example.
6. What is responsive website? What is the role of MVC framework for web application development? What are the various MVC framework of PHP?
7. What is exception? How can you handle framework of PHP?
8. Write a program in PHP to check for prime number when a number is entered through keyboard.
9. What is web services? Explain the use AJAX in the web application development.
10. What is recursive function in PHP? Write a program to display factorial of input number using recursive function.
11. What is semantic web? Explain RDF and OWL.
12. Write short notes on any TWO:
  - (a) Session and Cookies
  - (b) String Manipulation
  - (c) PHP functions



**PURBANCHAL UNIVERSITY****2018**

Bachelor in Information Technology (B.I.T.)/Fifth Semester/Final  
 Time: 03:00 hrs. Full Marks: 80 /Pass Marks: 32  
**BIT374CO: Web Technology-II (New Course)**

Candidates are required to give their answers in their own words as far as practicable.

Figure in the margin indicate full marks.

**Group A****Answer TWO questions.****2×12=24**

- 1(a) Explain client side and server side program with an example. 4
- (b) Describe XML validation with DTD and schema. 8
- 2(a) Explain the processing of static and dynamic web page with figure. 4
- (b) Write a program in PHP to enter name, age, e-mail address and then validate the fields and submit to the database. 8
- 3(a) Explain the basic syntax of XML and PHP. 5
- (b) What is regular expression? Explain regular expression with an example. 3+4

**Group B****Answer SEVEN questions.****7×8=56**

4. Explain four mostly used array functions in PHP. Write a program in PHP to display factorial of a number. 2+6
5. Explain web semantic and semantic search along with its purpose. Clarify why semantic web is so useful for the improvement of web. 5+3
6. How session and cookies plays vital role in server side applications? Describe how session handling is done in server side programming with proper example. 4+4
7. Explain login and authentication. Explain access modifiers with an appropriate example. 4+4

**(2)**

8. What is responsive website strategies and design? Explain smart device functionality. 3+5
9. Define MVC framework and sever side issues. 8
10. Explain RDF and OWL with an example. 8
11. Write short notes on any TWO: 4+4
  - (a) AJAX
  - (b) Exception handling in PHP
  - (c) DDL and DML queries

**PURBANCHAL UNIVERSITY****2017**

Bachelor in Information Technology (B.I.T.)/Fifth Semester/Final  
 Time: 03:00 hrs. Full Marks: 80 /Pass Marks: 32  
**BIT374CO: Web Technology-II (New Course)**

Candidates are required to give their answers in their own words as far as practicable.

Figure in the margin indicate full marks.

**Group A****Answer TWO questions.****2×12=24**

- 1(a) What is XML? Discuss it with suitable example. 2+2
- (b) How can you validate the XML document? Explain XML Schema with suitable Example. 2+6
- 2(a) Perform the CRUD operation for the following form: 8

Staff ID

Staff Name

Address

Contact

Gender

☐ Male ☐ Female

Save

Show

Update

Delete

- (b) What is exception handling in PHP? Discuss with suitable example. 4
- 3(a) What is AJAX? Explain recursion in PHP with suitable example. 2+4
- (b) What are various SQL Command used in MySQL? Discuss various String Manipulation functions in PHP. 2+4

**(2)****Group B****Answer SEVEN questions.****7×8=56**

4. What is web page? Explain the processing of dynamic web page.
5. Discuss iteration statements in PHP with suitable example.
6. What is Regular Expression? What are the advantages of Regular Expression in web application?
7. Discuss HTTP and FTP in detail.
8. What is access modifier? How can you implement inheritance in PHP?
9. What is Responsive website? Discuss various MVC framework of PHP.
10. Explain RDF and OWL.
11. Write short notes on any TWO:
  - (a) Semantic Web
  - (b) XSLT
  - (c) Authentication and Authorization



# PURBANCHAL UNIVERSITY

2019

Bachelor in Information Technology (B.I.T.)/Fifth Semester/Final

Time: 03:00 hrs.

Full Marks: 80 /Pass Marks: 32

**BIT374CO: Web Technology-II (New Course)**

Candidates are required to give their answers in their own words as far as practicable.

Figure in the margin indicate full marks.

## Group A

Answer TWO questions.

2×12=24

1(a) What is XML? Explain it with suitable example. 2+2

(b) What is XML document validation? Explain XML DTD with suitable Example. 2+6

2(a) Perform the CRUD operation for the following form. 8

Patient ID	<input type="text"/>
Name	<input type="text"/>
Address	<input type="text"/>
Contact	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female

<input type="button" value="Save"/>	<input type="button" value="Show"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
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(b) Explain the role of regular expression in web development. 4

3(a) Write a program to print fibonacci series using recursive function. 4

(b) What are MYSQL functions? Explain string manipulation function used in PHP. 4+4

## Group B

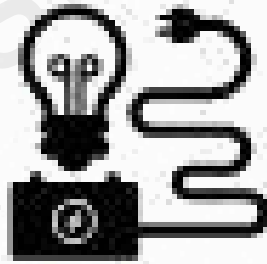
Answer SEVEN questions.

7×8=56

4. Differentiate Dynamic and Static Web Page. What is the role of tier technology in the web application development?

(2)

- ✓ 5. What is Exception in PHP? How can you handle exception in PHP?
- ✓ 6. Discuss HTTPS and FTP in detail.
- ✓ 7. What are various access modifier used in PHP? How can you implement inheritance in PHP?
- ✓ 8. Why we need responsive website? Discuss various MVC framework of PHP.
- ✓ 9. Define login and authentication. Write a program in PHP to display prime number between 1 - 100.
- ✓ 10. What is semantic web? Explain the role of RDF.
- ✓ 11. Write short notes on any TWO:
  - (a) OWL
  - ✓ (b) Session and Cookie
  - ✓ (c) AJAX



# Unstoppable Safar

Follow Your Imaginations...

**PURBANCHAL UNIVERSITY****Time-bound Home Exam 2020**

Bachelor in Information Technology (B.I.T.)/Fifth Semester/ Final

Time: 03:00 hrs. (+2 Hrs. for Submission)

Full Marks: 80 /Pass Marks: 32

**BIT374CO: Web Technology-II (New Course)****Instructions:***Dear Students!*

- This model of examination is for you as the end of your current semester. This examination allows you to write answer from your own place of residence. Follow the following instructions without fail.
- Do not write your name in the answer-sheet(s)
- All the answer-sheets should be sent to college through your approved email in which you have received your question paper.
- Do not write questions in the answer-sheet but mention clearly the question number.
- All the scan/photos of answer-sheets should be clearly visible. Any blur scan/photo will not be considered for evaluation. Responsibility lies with the students to make sure that scan/photos of the answer-sheet are of readable quality.
- Leave 1 inch margin on each side of the answer-sheet.
- Clearly mention your Roll no, subject, program, semester, page number at the right-top of each page as instructed by the Office of the Examination Management.
- Make sure that you send your answer-sheets within the given time. Any email received after the given time will not be acceptable.
- You are strictly advised to write with your own handwriting and that you are not using any unfair means to answer the questions.
- Do not consult during the examination period to any other person in answering the questions.
- Do not post any pictures of taking examination or your answer-sheets in any social-media. Found that may be taken action from University.

*Figure in the margin indicate full marks.***Group A****Answer TWO questions.****2×12=24**

- 1(a) What do you mean by server-side programming? Explain how web server works? 6
- (b) What is regular expression? Explain with example. 6
2. What is XML schema? Write a valid XML document. Explain XSL and XSLT with suitable example. 12
3. Write a PHP function to insert, display, edit and delete the records from student table fields (rollno, name, semester, dob, year, gender, date of birth). Assuming your own database name. The form to insert and update the data are necessary. 12

**Group B****Answer SEVEN questions.****7×8=56**

4. Explain different PHP arrays used in PHP with example.
5. What is inheritance? How can you implement inheritance in PHP? Explain with suitable example.
6. What is recursion? Write a PHP program to display the prime numbers between x and y, where x and y are user inputs.
7. Explain about login and authentication in detail.
8. What is difference between procedural and Object-Oriented programming? Explain about the core features of OOP.
9. Explain any four MySQL functions with examples.
10. What is responsive website? What are the advanced server-side issues?
11. **Write short notes on any TWO:** 4+4
  - (a) AJAX
  - (b) Resource description framework (RDF)
  - (c) MVC framework (code igniter)



# PURBANCHAL UNIVERSITY

**2021**

Bachelor in Information Technology (B.I.T.)/Fifth Semester/ Final

Time: 03:00 hrs.

Full Marks: 80 /Pass Marks: 32

**BIT374CO: Web Technology-II (New Course)**

*Candidates are required to give their answers in their own words as far as practicable.*

*Figure in the margin indicate full marks.*

## Group A

**Answer TWO questions.**

**2×12=24**

- 1(a) How web server works? Differentiate between client side scripting and server side scripting. 2+6
- (b) What is the difference between static and dynamic Web pages? 4
2. Write PHP code for CRUD operation. Design a web page and write a program in PHP to connect with MYSQL database and describe the parameters used in the functions. 4+8
3. What are XML syntax rule? Explain different templates used in XML with an example. 4+8

## Group B

**Answer SEVEN questions.**

**7×8=56**

4. What is an Exception? How do you handle exceptions in PHP?
5. How to Create and Manipulate Strings in PHP?
6. Discuss web services with its components.
7. Is PHP object oriented programming? How to create and add properties to a class?
8. What is Responsive Web Design? Discuss on Responsive Web Design Basics.
9. Why Semantic Web is important? Briefly explain about RDF and OWL.
10. What is AJAX? Explain recursion in PHP with appropriate example.

**Contd. ...**



(2)

11. Define testing and debugging. Why validation is important for  
/ server side programming?
12. Write short notes on any TWO:  
/ (a) XML Schema  
(b) Authentication and Authorization  
(c) MVC Framework

