

AWT

APRIL - 18

(for screenshots  
Refer folder **Saathi**  
"APRIL - 2018")

a-1]

a] Give any two applications of **AJAX**?  
→ Applications using **AJAX**:

Google Maps, Gmail, YouTube, Facebook Tabs etc.

b] What is **Serialization**?

→ Serialization is used to convert an object to a byte-stream representation and vice versa.

This is helpful/useful when we need to pass objects in the form of string.

e.g. \$encode = serialize (some data)

c] What is **XML** (4.1)

→ XML stands for extensible Markup language.

XML is self descriptive language it allows us to create our own tags to describe the data between them.

e.g. <?xml version="1.0" encoding="UTF-8"?>  
standalone="no" ?>

d) Enlist the **HTTP Request methods**.

- ① GET
- ② HEAD
- ③ POST
- ④ PUT
- ⑤ DELETE
- ⑥ CONNECT
- ⑦ OPTIONS
- ⑧ TRACE
- ⑨ PATCH

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e)

What is **SOAP** (5.1.5)

SOAP (Simple Object Access Protocol) is a protocol specification exchanging structured information in implementation of Web Services in computer networks.

f)

which are the databases supported by PHP?

- ① MySQL
- ② PostgreSQL
- ③ Oracle
- ④ SQLite
- ⑤ Informix
- ⑥ Microsoft SQL Server

g)

Enlist the methods of DOM parser

h)

What is **Web services**.

→ A web service is any piece of software that makes itself available over the internet and uses a standardized XML messaging system. XML is used to encode all communications to the web service.

i)

What is **setCookie()** function?

→ The `setCookie()` function defines a cookie to be sent along with the rest of HTTP headers.

A cookie is often used to identify a user. A cookie is a small file that server embeds in the user's computer.

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- Q] Enlist different attributes for ready state.

→ values state

Value	State	Description
0	UNSET	client has been created
1	OPENED	open() has called
2	HEADERS	send() has been called and headers and status are available
- RECEIVED		
3	LOADING	Downloading responseText holds partial Data
4	DONE	The operation is complete.

Q.2]

- a) Define constructor. Explain it with the help of program. (1.4)

The

- b) What is self-processing form? Explain with the help of program. (e.g., 2)

Def:- When the self-processing form is the PHP form the process themselves. Each have oneistic file, ready to 'include ?'. Whenever user input on a website is necessary.

These forms contain the configuration setup, the HTML/PHP rendering of the forms, and the logic to process

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themselves once user data is submitted.

- c) Explain AJAX web application model. (6.17) (Screenshot)

d) Write a PHP program to accept two strings from user and check whether entered strings are matching or not? (use sticky form concept) (Screenshot)

> HTML

<head> <title> String comparison </title> </head>

<body>

<form method="post" action="sticky.php">

<fieldset>

<legend> Enter strings! </legend>

<p> <b> First String </b> <input type="text" name="s1" value="" />

<input type="text" name="s2" value="" /> <?php if (isset(\$\_POST['s2'])) echo \$\_POST['s2']; ?> </p>

</fieldset>

<div align="center">

<input type="submit" name="submit" value="Match String" />

</div>

<input type="hidden" name="submit" value="true" />

</form>

<?php

Screenshot

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e] write a PHP script to demonstrate the concept of introspection for examining object (1.9)

Q. 3]

a] Explain simple XML extension with the help of examination example. (4.34)

b)

b) Explain how Ajax works? (Screenshot) (6-17)

what is DOM? Explain it with the help of program. (4-28)

d) write simple PHP program which implements AJAX for addition of two numbers  
⇒ (Screenshot)

to get addition of numbers 1/100 in less than  
(25 ms) time

e) Create a XML file which gives details of books available in 'ABC' Bookstore from the following categories: (Screenshot)  
⇒  i) Technical    ii) Cooking  iii) Yoga.

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Q. 67.

- a) Give an example of PHP and Ajax application for Searching. (6-18) (See screenshot for e.g.)

- b) What is XML-RPC? (5-18)  
⇒

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- c) Explain how to link CSS to XML. (6-18)  
⇒ (Screenshot)

- d) Create Student table as follows:  
Student \_\_\_\_\_ (full question is in screenshot with answer) answer  
⇒

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- e) Consider the following relational Database Project (P-GroupNo, Project -Title)  
(Question + full question and answer in screenshot)

⇒

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Introspection. (1.7)

- b) XML Document Structure. (4.9)

⇒

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c) Redirection (2.15) (Refer screenshot)  
⇒

d) WSDL (5.7) (Screenshot)  
⇒

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e) Multivalued Parameters. (2.11) (Screenshot)  
⇒

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a.]

which two functions are used for serialization?

→

① serialize() takes an object, and outputs a string representation of the object's class and properties.

② unserialize() takes a string created by serialize(), and converts it back into a usable object.

b.]

what is session\_register() function?

→

session\_register() accepts a variable number of variable arguments, any which can be either a string or an array.  
It also registers the global variable with that name in that the current session.

e.g.

```
<?php  
abc = "This is session";  
session_register("abc");
```

?>

c.] Repeating.

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What is SimpleXML extension?

The SimpleXML extension functions are provides the toolset to convert XML to ~~the~~ an object. Those objects deals with normal property selectors and array iterators.

d.] Enlist <sup>the</sup> types of web services.

→

① SOAP web services.

→

- SOAP stands for Simple Object Access Protocol.
- SOAP offers a wrapper for sending web service-based messages over the internet ~~with the help of HTTP~~.

② REST web services.

→

• REST stands for Representational State Transfer.

• It is a style architecture for software those apps that are designed using this architecture are collectively termed as RESTful web services

e.] Different way to display output in javascript

① Displaying the output in HTML elements using innerHTML.

e.g., document.getElementById("xyz").innerHTML = "10 + 10;"

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② Displaying the o/p using document.write()  
e.g. document.write(2+3);

③ Displaying the output through console.log  
e.g. console.log(2+3)

④ Displaying the output through alert box  
e.g. alert(2+3);

Q) What is SOAP?  
⇒ Repeated

b) Enlist the methods of DOM Parser.  
⇒ Repeated

i) Enlist the elements of \$\_FILE array.  
⇒

① [name] :- name :- Name of the file which is uploading.

② size :- size of the file

③ type :- Type of the file (e.g. pdf, zip, jpg, etc.)

④ tmp\_name :- A temporary address at where the file is located before processing the upload request.

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Q) Repeated.

a) Define Interface with help of example. (1-12)  
⇒

b) Explain how HTTP actually works. (2-1)(SS)  
⇒

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- c] Explain the following MySQL function with the help of example: (Screenshot)
- =
- i) mysql - open()
  - ii) mysql - select\_id()
  - iii) mysql - query()
  - iv) mysql - close()
- 
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- c] Write a PHP program to accept two strings from user and check ---
- ⇒ Repeated
- c] Write a php script to accept username and password. If in the first three chances, username and password entered is correct, then display second form, otherwise display error message. (Screenshot)
-

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Q. 3]

a) Explain SimpleXML extension with the help  
of an example.

⇒ Repeated

b) Explain alert(), prompt(), and confirm()  
function with example. (Screenshot)

⇒

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c) Repeated program

d) Write a PHP program to create a simple  
calculator that can accept two numbers  
--- (full question & ~~ans~~ answer in screenshot)

⇒

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e) write a script to create a XML file named "Course.xml". --- (full question & answer is in screenshot).

⇒ *Answer of question 9(b) is shown in screenshot attached in folder zipped file named as question 9(b).pdf*

2.4]

a) Repeated

b) What is SOAP? Explain different elements of SOAP. (5.15)

⇒

c) Repeated

d) Create employee table as follows:-  
BVS ( bno, bname, source, designation.)  
--- (full program in screen question in screenshot)

⇒

e) Repeated

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Q.5]

a)

Repeated

b)

XML Parser (4.19) (Screenshot)

⇒

c)

\*~~nt~~ (Constructor. (1.4)) (

Q.2] and Q.3] are Repeated.

⇒

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e.1

a] How to call parent class constructor in php.  
(Write its syntax).

```
=> <?php  
class class_name  
class parent_class_name ()  
{ } 
```

function -- construct()

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Class child-class-name extends parent-class-name

function -- construct()

Parent:: - constmet();

*[Signature]*

`$object-name = new parent-class-name();`

```
$ object-name2 = new sub-class-name();
```

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b) What is \$http\_response\_header?

The \$http\_response\_header array is similar to the get\_headers() function. When using the Http wrapper, \$http\_response\_header will be populated with the HTTP response headers. \$http\_response\_header will be created in the local scope.

c) Enlist all methods used by PHP for database connectivity?

- ① Connect using mysqli extension (the "i" stands for improved)
- ② Connect using PDO (PHP Data Objects)
- ③ Connect using traditional legacy mysql functions.

d) Enlist simple XML extension

e) Enlist the methods of simple XML extensions

- ① SimpleXML::Element well-formed-xml()
- ② SimpleXML::load\_string (well-formed xml string)
- ③ getName()
- ④ children()

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⑤ addChild (name\_of\_new\_node, value\_stored\_in\_new\_node).

⑥ abXML()

f) Enlist the elements of SOAP message.

- ① Envelope - Defines the start and end of the message.
- ② Header - Contains any optional attributes of the message used in processing the message.
- ③ Body - Contains the XML data comprising the message being sent.
- ④ Fault - An optional fault element that provides information about errors that occurs while processing the message.

g) Reap Repeated

h) Repeated

i) What is setCookie() function?

The setCookie() function defines a cookie to be sent along with the rest of the HTTP headers.

A cookie is often used to identify a user.

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i) Which special function provided by PHP to define constructor?



The function special function provided by PHP to define constructor is  
\_\_Construct()

ex <?php  
class MyClass {  
 function \_\_Construct()  
 echo "this is my class";  
}  
\$obj = new MyClass();  
?>

Q.2)

a) What is method overloading? Explain it with the help of example. (Screenshot)



b) How to handle file upload in PHP? (Screenshot)

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- c) what is ~~PEAR~~ PEAR DB8 Explain with the help of program. (3+8) (3.18 (point 3.6))  
→ (Screenshot)
- a) Refer screenshot for question and answer of program.
- to create a form that accept the user details. write a php script to program to capitalize first letter of name each name and check user email address contain @ symbol. (Screenshot)
- b) (any question)

c] Repeated.

c.3] a] Repeated

b] Repeated

c) Create student registration form and display details in the next page. (use sticky form concept). (Screenshot)

→

a] Write a PHP Script to upload the file and display its information. (use ~~\$FILE~~ \$FILES). (Screenshot)

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e] Repeated.

c. ii]

a] Explain with example how to connect database using PHP and Ajax. (6.26)



b] Repeated

c] Repeated

d] Create a student table as follows Student (Sno, Sname, per). Write Ajax program to Select the student name and print the selected student's details. (Screenshot)



e] Write Ajax program to print movie details by selecting an Actor's name. --- (full question and answer in screenshot).



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Q. 5)  
a) Serialization:- (1.10) (Screenshot)  
⇒

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b) Destructor:- (1.4) (Screenshot)

c) Header function:- (Screenshots)