ADVANCE WEB TECHNOLOGY

Chapter- 1) Introduction to Object Oriented Programming in PHP

1)The practice of creating objects based on predefined classes is often referred to as _____
a) class creation
b) object creation
c) object instantiation
d) class instantiation
Answer : d

2)Which one of the following property scopes is not supported by PHP?
a) friendly
b) final
c) public
d) static
Answer : a

3)Which one of the following is the right way to invoke a method?
a) $object->methodName();
b) object->methodName();
c) object::methodName();
d) $object::methodName();
Answer : a

4) Which of the following is/are the right way to declare a method?
i) function functionName() { function body }
ii) scope function functionName() { function body }
iii) method methodName() { method body }
iv) scope method methodName() { method body }

a) Only ii)

b) i) and ii)

c) Only iv)

d) iii) and iv)

Answer : b

5) Which method scope prevents a method from being overridden by a subclass?

a) Abstract

b) Protected

c) Final

d) Static

Answer: c

6) Which of the following statements is/are true about Constructors in PHP?
i) PHP 4 introduced class constructors.
ii) Constructors can accept parameters.
iii) Constructors can call class methods or other functions.
iv) Class constructors can call on other constructors.

a) i), ii), iii) and iv)

b) ii) and iii)

c) ii)

d) ii), iii) and iv)

Answer : a

7) Which one of the following functions is used to determine whether a class exists?
a) exist()
b) exist_class()
c) __exist()
d)class_exist()

Answer : d

8) Which one of the following functions is used to determine object type?
a) obj_type()
b) type()
c) is_a()
d) is_obj()

Answer : c

9)Which one of the following keyword is used to inherit our subclass into a superclass?
a) extends

b) implements
c) inherit
d) include

Answer : a

10)What will be the output of the following PHP code?

```php
<?php

1.  class MyClass
2.  {
3.  }
4.
5.  class NotMyClass
6.  {
7.  }
8.  $a = new MyClass;
9.
10. var_dump($a instanceof MyClass);
11. var_dump($a instanceof NotMyClass);
12. ?>
```

a)

bool(true)

bool(true)

b)

bool(false)

bool(false)

c)

bool(true)

bool(false)

d)

bool(false)

bool(true)

Answer : c

10)Which one of the following keyword is used to implement an interface?

a) interface

b) get

c) inherit

d) implements

Answer : d

11) PHP makes it possible to automatically execute code when a new instance of a class is created, using a special class method called a ....

A) destructor

B) constructor

C) friend

D) initial

Answer : b

12) Once a class has been defined, objects can be created from the class with the .... keyword.

A) new object

B) construct

C) new

D) both A and C

Answer : C

13)All PHP classes come with a default constructor that takes .... arguments.

A) one

B) two

C) three

D) no

Answer : d

14)When you extend a class, the subclass inherits all of the .... methods from the parent class.

A) Public

B) private

C) protected

D) both A and C

Answer : d

15)Child classes are defined using the keyword .....

A) extends

B) extend_class

C) child_class

D)extents

Answer : a

16) In the PHP code given below, what is/are the properties?

```
<  ?php
```

```
class Example

{

    public $name;

    function Sample()

  {

        echo "This is an example";

    }

}

?>
```

A. echo "This is an example";

B. public $name;

C. class Example

D. function sample()

Answer : b

17)The practice of separating the user from the true inner workings of an application through well-known interfaces is known as..

A. Polymorphism

B. Inheritance

C. Encapsulation

D. Abstraction

Answer : c

18)which of the following term originates from the Greek language that means "having multiple forms," defines OOP's ability to redefine, a class's characteristic

A. Abstraction

B. Polymorphism

C. Inheritance

D. Differential

Answer : B

19)Which one of the following is the right way to define a constant?

A. constant PI = "3.1415?;

B. const $PI = "3.1415?;

C. constant PI = '3.1415';

D. const PI = '3.1415';

Answer : d

20)Which one of the following is the right way to call a class constant, given that the class is mathFunction?

A. echo PI;

B. echo mathFunction->PI;

C. echo mathFunction::PI;

D. echo mathFunction=PI;

Answer : c

Chapter - 2) Web Techniques

1. Which two predefined variables are used to retrieve information from forms?

a) $GET & $SET

b) $_GET & $_SET

c) $__GET & $__SET

d) GET & SET

Answer : B

2. When you use the $_GET variable to collect data, the data is visible to _____

a) none

b) only you

c) everyone

d) selected few

Answer : c

**3. When you use the $_POST variable to collect data, the data is visible to
_____**

a) none

b) only you

c) everyone

d) selected few

Answer : b

**4. Which variable is used to collect form data sent with both the GET and POST
methods?**

a) $BOTH

b) $_BOTH

c) $REQUEST

d) $_REQUEST

Answer : d

**5. Which one of the following should not be used while sending passwords or other
sensitive information?**

a) GET

b) POST

c) REQUEST

d) NEXT

Answer : a

6)Which function is used to remove all HTML tags from a string passed to a form?

a) remove_tags()

b) strip_tags()

c) tags_strip()

d) tags_remove()

Answer : b

7) What will be the value of the variable $input in the following PHP code?

```php
<?php

$input = "Swapna<td>Lawrence</td>you are
really<i>pretty</i>!";

$input = strip_tags($input,"<i></i>");

echo $input;

?>
```

a) Swapna Lawrence you are really pretty!

b) Swapna <td>Lawrence</td> you are really<i>pretty</i>!

c) Swapna <td>Lawrence</td> you are really pretty!

d) Swapna Lawrence you are really<i>pretty</i>!

Answer : d

8)To validate an email address, which flag is to be passed to the function filter_var()?

a) FILTER_VALIDATE_EMAIL

b) FILTER_VALIDATE_MAIL

c) VALIDATE_EMAIL

d) VALIDATE_MAIL

Answer : a

9)Which one of the following is the very first task executed by a session enabled page?

a) Delete the previous session

b) Start a new session

c) Check whether a valid session exists

d) Handle the session

Answer : c

10)How many ways can a session data be stored?

a) 3

b) 4

c) 5

d) 6

Answer : b

11)Which one of the following is the default PHP session name?

a) PHPSESSID

b) PHPSESID

c) PHPSESSIONID

d) PHPIDSESS

Answer : A

12) Which one of the following function is used to start a session?

a) start_session()

b) session_start()

c) session_begin()

d) begin_session()

Answer : B

13)Which function is used to erase all session variables stored in the current session?

a) session_destroy()

b) session_change()

c) session_remove()

d) session_unset()

Answer : A

14)Which one of the following statements should you use to set the session username to Nachi?

a) $SESSION['username'] = "Nachi";

b) $_SESSION['username'] = "Nachi";

c) session_start("nachi");

d) $SESSION_START["username"] = "Nachi";

Answer : B

15) What will be the output of the following PHP code? (Say your previous session username was nachi.)

```
unset($_SESSION['username']);

printf("Username now set to: %s", $_SESSION['username']);
```

a) Username now set to: nachi

b) Username now set to: System

c) Username now set to:

d) Error

Answer : C

16)The session_start() function must appear _____

a) after the html tag

b) after the body tag

c) before the body tag

d) before the html tag

Answer : D

17) Which directive determines whether PHP scripts on the server can accept file uploads?

a) file_uploads

b) file_upload

c) file_input

d) file_intake

Answer : A

18)Which superglobal stores a variety of information pertinent to a file uploaded to the server via a PHP script?

a) $_FILE Array

b) $_FILES Array

c) $_FILES_UPLOADED Array

d) $_FILE_UPLOADED Array

Answer : B

19)How many items are available in the $_FILES array?

a) 2

b) 3

c) 4

d) 5

Answer : D

20) Which function is used to determine whether a file was uploaded?

a) is_file_uploaded()

b) is_uploaded_file()

c) file_uploaded("filename")

d) uploaded_file("filename")

Answer : B

Chapter - 3) Database

1. Which one of the following databases has PHP supported almost since the beginning?

a) Oracle Database

b) SQL

c) SQL+

d) MySQL

Answer : D

2. The updated MySQL extension released with PHP 5 is typically referred to as _____

a) MySQL
b) mysql
c) mysqli

d) mysqly

Answer : C

3. Which one of the following statements is used to create a table?

a) CREATE TABLE table_name (column_name column_type);
b) CREATE table_name (column_type column_name);
c) CREATE table_name (column_name column_type);
d) CREATE TABLE table_name (column_type column_name);

Answer : A

4. Which one of the following statements instantiates the mysqli class?

a) mysqli = new mysqli()
b) $mysqli = new mysqli()
c) $mysqli->new.mysqli()
d) mysqli->new.mysqli()
Answer : B

5. Which one of the following statements can be used to select the database?

a) $mysqli=select_db('databasename');
b) mysqli=select_db('databasename');
c) mysqli->select_db('databasename');
d) $mysqli->select_db('databasename');
Answer : D

6.If there is no error, then what will the error() method return?

a) TRUE
b) FALSE
c) Empty String
d) 0
Answer : C

7. Which one of the following methods is responsible for sending the query to the database?

a) query()
b) send_query()
c) sendquery()
d) mysqli_query()
Answer : D

8. Which of the methods are used to manage result sets using both associative and indexed arrays?

a) get_array() and get_row()
b) get_array() and get_column()
c) fetch_array() and fetch_row()
d) mysqli_fetch_array() and mysqli_fetch_row()
Answer : D

9. Which method retrieves each row from the prepared statement result and assigns the fields to the bound results?
a) get_row()
b) fetch_row()
c) fetch()
d) mysqli_fetch_row()
Answer : D

10)Which method rolls back the present transaction?
a) commit()
b) undo()
c) mysqli_rollback()
d) rollback()
Answer : D

11.Which one of the following methods recuperates any memory consumed by a result set?
A. destroy()

B. remover()

C. alloc()

D. free()

Answer : D

12. Which one of the following method is used to retrieve the number of rows affected by an INSERT, UPDATE, or DELETE query?

A. num_rows()

B. affected_rows()

C. changed_rows()

D. new_rows()

Answer : B

13.Which one of the following methods is used to recuperating prepared statements resources?

A. end()

B. finish()

C. final()

D. close()

Answer :D

14) Which of the following methods is used to execute the statement after the parameters have been bound?

A. bind_param()

B. bind_result()

C. bound_param()

D. bound_result()

Answer : A

15)Which Method is use to create connection ?

A.mysqli()

B.connect()

C.mysqli_connect()

4)mysql()

Answer : A

16)Which Method is use to create prepare statements ?

A)mysqli_prepare()

B)prepare()

C)connect()

D)None of these

Answer : B

Chapter - 4) XML

1) Which language is Extensible Markup Language (XML) similar?

a. HTML
b. PHP
c. JavaScript
d. Wordpress
Answer : A

2)Which are the main features of XML?

a. Text data description
b. Human- and computer-friendly format
c. Handles data in a tree structure having one-and only one-root element
d. All mentioned above
Answer : D

3)XML stands for?

a. Extensible Markup Language
b. Extended Mashup Language
c. Extensible Mashup Language
d. X-Markup Language
Answer : A

4)Find the correct syntax of the declaration which defines the XML Version?

a. < ?xml version= "1.0" ? >
b. < xml version="1.0"/ >
c. < ?xml version="1.0" / >
d. None of the above
Answer : A

5) An XML parser converts an XML document into an XML DOM object, which can then be manipulated with JavaScript.

a. True
b. False
Answer : A

6) Abbreviate the term DOM?

a. Developed Object Model

b. Document Object Model
c. Document Oriented Model
d. None of the above
Answer : B

7) Which language is case sensitive?

a. HTML
b. XML
c. Both A & B
d. None of the above
Answer : B

8)The getElementsByTagName() method is used to retrieve data from an XML document.

a. True
b. False
Answer : A

9) The following example shows which XML Syntax rule,
< note date=" 12/11/2007">
< to>Tove< /to>
< from>Jani< /from>
< /note>

a. XML Attribute Values Must be Quoted
b. All XML Elements Must Have a Closing Tag
c. XML Tags are Case Sensitive
d. XML Elements Must be Properly Nested
Answer : A

10) XML is ?

a. Platform Independent
b. Language Independent
c. Both A & B
d. None of the above
Answer : C

11) Which is not a XML function?

a. Transport information
b. Style information
c. Store information
d. Structure information
Answer : B

12) Which character in the XML Element will generate an error because the parser interprets it as the start of a new element?

a. " < "
b. "&"
c. Both A & B
d. None of the above
Answer : A

13)XML is the most common tool for data transmissions between all sorts of applications

a. True
b. False
Answer : A

14)Which Characters are illegal in XML elements?

a. " < "
b. "&"
c. Both A & B
d. None of the above
Answer : C

15)What is XML used to simplify?
a. Data storage
b. Data sharing
c. Both A & B
d. None of the above
Answer : C

16) Which are the XML Syntax rules?

a. All XML Elements Must Have a Closing Tag
b. XML Tags are not Case Sensitive
c. XML Elements Must be Properly Nested
d. Both A & C
Answer : D

17)XML is designed to store data and _____.

a. Design
b. Verify
c. Transport
d. Both A & B
Answer : C

18) In XML document comments are given as?

a. < !-- --!>
b. < !-- ?
c. < /-- -->
d. < ?-- ?
Answer : B

19) XML is designed to carry data, and to display data
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a. True
b. False
Answer : B

20)XML attribute values must always be enclosed in quotes

a. True
b. False

Answer : A

Chapter - 5) Web Services

1) _____ is used to convert your application into Web-Application.

A. Struts Services

B. Web Services

C. Java Service

D. Browser Action

Answer : B

2) In contrast, the contract-first approach encourages you to think of the service contract first in terms of

A. XML

B. XML Schema(.xsd)

C. WSDL

D. All of the mentioned

Answer : D

3. The basic Web Services platform is combination of _____ and _____

A. CSS + HTTP

B. XML + HTML

C. XML + HTTP

D. CSS + JAVA

Answer : C

4. Which of the following is correct about Service Description layer in Web Service Protocol Stack?

A. This layer is responsible for describing the public interface to a specific web service

B. Currently, service description is handled via the Web Service Description Language (WSDL)

C. Both of the above

D. None of the above

Answer : C

5. Web services can be discovered using _____

A. UDDII

B. UDDI

C. UDDDI

D. UDII

Answer : B

6. Which of the following style(s) is/are Strictly WS-I compliant?

A. Document/encoded

B. RPC/literal

C. Document/literal

D. RPC/encoded

Answer : D

7. XML digital signatures provides

A. Authentication

B. Authorization

C. Confidentiality

D. Integrity

Answer : C

8. A more complex approach for web service implementation, is referred to as

A. JavaScript Object Notation

B. Representation State Transfer

C. JavaScript Entity Notation

D. Big Web Services

Answer : D

9. The standard for deploying web services on the Java EE platform as of Java EE 1.4

A. JAX-RPC

B. JAX

C. RPC

D. None of the mentioned

Answer : A

10. Factory to use our Spring bean as the implementation

A. jaxws:end

B. jaxws:endpoint

C. All of the mentioned

D. None of the mentioned

Answer : B

11. Which of the following is true about Web service?

A - It is self-describing via a common XML grammar.

B - It is discoverable via a simple find mechanism.

C - Both of the above.

D - None of the above.

Answer : C

12. Which of the following is correctly defining loosely coupled architecture of web service?

A - A consumer of a web service is not tied to that web service directly.

B - The web service interface can change over time without compromising the client's ability to interact with the service.

C - Adopting a loosely coupled architecture tends to make software systems more manageable and allows simpler integration between different systems.

D - All of the above.

Answer : D

13.Which of the following role of web service architecture provides a central place where developers can publish new services or find existing ones?

A - Service Provider

B - Service Requestor

C - Service Registry

D - None of the above.

Answer : C

14.Which of the following is correct about XML RPC?

A - XML-RPC is a simple protocol that uses XML messages to perform RPCs.

B - XML-RPC is platform-independent.

C - XML-RPC allows diverse applications to communicate.

D - All of the above.

Answer : D

15. Is SOAP platform independent?

A - true

B - false

Answer : A

16. Which of the following language UDDI uses?

A - XML

B - WSDL

C - SOAP

D - None of the above.

Answer : B

17. Web Services can convert your existing applications into Web-applications.

A - true

B - false

Answer : A

18. A web services takes the help of SOAP to tag the data, format the data.

A - true

B - false

Answer : B

19. The service provider utilizes an existing web service by opening a network connection and sending an XML request.

A - true

B - false

Answer : B

20. Service Discovery is responsible for centralizing services into a common registry and providing easy publish/find functionality.

A - true

B - false

Answer : A

Chapter - 6) AJAX

1. **Which of the following are the features of Ajax?**
A) Live data binding
B) Declarative instantiation of client components
C)Client-side template rendering
D) All of the above
Answer : D
2. What are the features of Ajax?
A. Live data binding

B. Client-side template rendering

C. Declarative instantiation of client components

D. All of the above

Answer : D

3. What is AJAX?

A. is a program

B. is a country name

C. is a football club name

D. All of these

Answer : A

4. Which of the following are the features of an HTTP request?
A. URL being requested

B. Optional request body

C. Optional set of request headers

D. All of the mentioned

Answer : D

5. AJAX based on _____
A. JavaScript and XML

B. VBScript and XML

C. JavaScript and Java

D. JavaScript and HTTP requests

Answer : B

6.What are the advantages of Ajax?
A. Bandwidth utilization
B. More interactive
C. Speeder retrieval of data
D. All of these
Answer : D

7. Which of the below is a lieral reverse of Ajax?
A. HTTP

B. HTML

C. XML

D. Comet

Answer : D

8. What makes Ajax unique?
A. It works as a stand-alone Web-development tool

B. It works the same with all Web browsers

C. It uses C++ as its programming language

D. It makes data requests asynchronously

Answer : D

9. Who does the chorus believe spread a rumor about Ajax slaughtering cattle?
A. Ares

B. Hermound

C. Odysseus

D. Artemis

Answer : C

10. What are the controls of Ajax?
A. ScriptManager

B. ScriptManagerProxy

C. UpdatePanel

D. All of these

Answer : D

11. Which property is used to control the duration of Ajax request.
A. AsyncPostBackTimeout

B. AsyncTimeout

C. Timeout

D. PostBackTimeout

Answer : A

12. How can you test the Ajax code?
A. JSU

B. JSUnit

C. AjaxJSU

D. JSUnitAjax

Answer : B

13. AJAX was made popular by?
A. Microsoft

B. Google

C. Sun Microsystemwrong

D. IBM

14. The jQuery AJAX methods .get(), .post(), and .ajax() all require which parameter to be supplied?
A. method

B. url

C. data

D. headers

15. What are all the technologies used by Ajax?
A. JavaScript

B. XMLHttpRequest

C. Document Object Model (DOM)

D. All of the above

16. _____ JavaScript is also called server-side JavaScript.
A. Microsoft

B. Navigator

C. LiveWire

D. None

Answer : C

17.The XMLHttpRequest object can be used on subdomain1.mysite.com to request a page located at subdomain2.mysite.com according to the specification.

 A. True
 B. False

Answer : B

18- What combination of technologies gives AJAX its name?

A. ASP and XAML
B. Asynchronous JavaScript and XML
C. Autonomic Computing and DHTML
D. Atlas and XML
Answer : B

19. Which Web browser is the least optimized for Microsoft's version of AJAX?
A. Firefox
B. Opera
C. Safari
D. Internet Explorer
Answer: C

20.AJAX comes in _____.
A. 2003
B. 2005
C. 2004
D. 2006
Answer: B