Unit 1. Dynamic Scripting Language - PHP

SHORT QUESTION

1. What are the rules for writing PHP code block?
2. What are the naming conventions for variable in PHP?
3. How to declare and use constants in PHP?
4. How can you set a datatype to a variable in PHP?
5. What the difference is between == and ===?
6. Write the difference between print() and echo.
7. What will be the output of following code:
   ```php
   <?php
   echo is_numeric("0.5");
   ?>
   ```
8. Which function can be used to delete variable from memory?
9. What will be the output of following code:
   ```php
   <?php
   int $var = 5;
   echo $Var;
   ?>
   ```
10. What is the difference between using double quote and single quote for representing string?
11. What is the importance of using concept of variable's variable.
12. Give a real world example of string interpolation.
13. Which escape sequence characters are supported in a string written using single quotation?
14. What is heredoc syntax? Explain with example.
15. In which case you can avoid closing tag of PHP?
16. Can you convert if condition into ternary operator? How?
17. Explain the scenario when break statement is not used in switch.
18. How to access index of array? Explain with example.
19. Which superglobal variables are filled by PHP itself?
20. What will be the output of following code:
    ```php
    <?php
    $arr = array(4,6,8);
    print_r($arr);
    ?>
    ```
21. How can you break more than one loop using break statement?
22. How to display two dimensional array?
23. How do I check if the variable is an array?
24. Which function is used to display each element of array?
25. What will be the output of following code:

```
<?php
for ($i = 0;$i < 5;$i++)
{
        for($j = 0;$j < 5;$j++)
        {
                If($i == 3)
                        continue 2;
                echo $i;
        }
        echo "<br>";
}
?>
```

26. Write one single statement which displays 'zero' if value of $i is zero else displays 'not zero'.
27. Create a textbox which will only accept numeric values.
28. Create a set of radio button for gender in which Male option will be by default checked.
29. Write a code to create an array of input element 'textbox'.
30. How can you submit a form without using submit button?
31. What is the way of passing data through URL without using form?
32. What is the scope of class?
33. Which object oriented feature is not supported in PHP?
34. Which type of inheritance is not supported in PHP?
35. What is the use of tmp_name element created in $_FILES?
36. Which two functions can be used to upload a file?
37. What is the necessary condition for using $_SESSION on your webpage?
38. How can you set a cookie to be deleted automatically after 15 minutes?
39. Give a point of difference between static and final keyword.
40. How to call an abstract method?
41. What is the use of php variable function?
42. Can abstract method be inherited?
43. Which method is used to convert text to array?
44. What shall be the value for "type" attribute when user wants to upload any file?
45. Is it necessary to specify attribute "enctype" for uploading file?
46. List any four $_FILES array elements.

LONG QUESTION

1. Discuss at-least two operators which are not provided in C language and provided by PHP.
2. Differentiate superglobal variables on the basis of its usage, way of storing value in it, requirements for using etc.
3. What is the scope of variable in PHP? Discuss at-least two ways of extending scope of a

variable.
4. Which are the three ways of writing string in PHP? Explain each with proper example.
5. Differentiate conditional statements.
6. Differentiate looping structures on the basis of its syntax, usage, purpose etc.
7. Write at-least three different ways of creating array and adding new element in array.
8. What are the benefits of associative array against numeric array?
9. Give a real world example of multidimensional array having associative index.
10. Discuss a scenario where you can use break statement and continue statement.
11. How can you pass the data from one page to another page? Explain with example.
12. What is query string? How can you pass data in query string? How can you fetch data passed in query string?
13. Which class of PHP is used to access MySQL? Write syntax and purpose of atleast two methods of this class.
14. Discuss atleast four methods of mysqli_result used to fetch data from its object.
15. What is the importance of using prepared statement? How can you implement prepared statement in PHP?
16. How can you implement session in PHP? Give atleast two real world examples in which session is used.
17. Write atleast four points of difference between session and cookie.
18. What are the advantages of mySQLi over mySQL?
19. Explain difference between fetch_assoc() and fetch_object() method with an example for each.
20. Explain in which situation variable function can be helpful, give an example.
21. Explain the process of uploading a file with an example.
22. Write a note on any four functions for array, and string.
23. Write a script to generate student marksheet from the multidimensional array of student(name=>(sub1=>mark,sub2=>mark,sub3=>mark),..n).

MULTIPLE CHOICE QUESTIONS

1. What PHP stands for?
   a) Hypertext Preprocessor
   b) Pre Hypertext Processor
   c) Pre Hyper Processor
   d) Pre Hypertext Process

2. Which of the following tag is not a valid way to begin and end a PHP code block?
   a) <% %>
   b) <? ?>
   c) <?= ?>
   d) <?php ?>

3. How does the identity operator === compare two values?
   a) It converts them to a common compatible data type and then compares the resulting values
   b) It returns True only if they are both of the same type and value
   c) If the two values are strings, it performs a lexical comparison
   d) It bases its comparison on the C strcmp function exclusively
   e) It converts both values to strings and compares them

4. Which of the following is not valid PHP code?
   a) $_10
   b) ${"My Var"}
   c) &$something
   d) $10_somethings
   e) $aVaR

5. Which of the following will not combine strings $s1 and $s2 into a single string?
   a) $s1 + $s2
   b) "{$s1}{$s2}"
   c) $s1.$s2
   d) Implode(' ', array($s1, $s2))
   e) All of the above combine the strings

6. What happens if you add a string to an integer using the + operator?
   a) The interpreter outputs a type mismatch error
   b) The string is converted to a number and added to the integer
   c) The string is discarded and the integer is preserved
   d) The integer and string are concatenated together in a new string
   e) The integer is discarded and the string is preserved

7. Which of the following way below is not correct to comment a single line of code in PHP?
   a) //Commented line
   b) #commented line
   c) !commented line
   d) /*commented line*/
   e) None of above

8. What is the difference between echo and print?
   a) They both behave the same.
   b) Print can take multiple parameters whereas echo cannot
   c) Echo can take multiple parameters whereas print cannot

d) Print is a function whereas echo is not

9. Which of the following function returns the number of characters in a string variable?
   a) count($variable)
   b) len($variable)
   c) strcount($variable)
   d) strlen($variable)

10. A script is a
    a) Program or sequence of instructions that is interpreted or carried out by processor directly
    b) Program or sequence of instruction that is interpreted or carried out by another program
    c) Program or sequence of instruction that is interpreted or carried out by web server only
    d) None of above

11. You can define a constant by using the define() function. Once a constant is defined
    a) It can never be changed or undefined
    b) It can never be changed but can be undefined
    c) It can be changed but cannot be undefined
    d) It can be changed and can be undefined

12. What will the following script output?
    ```php
    <?php
    $array = array(1,2,3,5,8,13,21,34,55);
    $sum = 0;
    for($i = 0; $i < 5; $i++) {
            $sum += $array[$array[$i]];
    }
    echo $sum;
    ?>
    ```
    a) 78
    b) 19
    c) NULL
    d) 5
    e) 0

13. What elements will the following script output?
    ```php
    <?php
    $array = array(true => 'a', 1 => 'b');
    var_dump($array);
    ?>
    ```
    a) 1 => 'b';

b) True => 'a', 1=> 'b'

c) 0 => 'a', 1 => 'b'

d) None

e) It will output NULL

14. There are three different kind of arrays:
    a) Numeric array, String array, Multidimensional array
    b) Numeric array, Associative array, Dimensional array
    c) Numeric array, Associative array, Multidimensional array
    d) Const array, Associative array, Multidimensional array

15. What function count elements in an array?
    a) count
    b) sizeof
    c) length
    d) All of above

16. What array will you get if you convert an object to an array?
    a) An array with properties of that object as the array's elements.
    b) An array with properties of that array as the object's elements.
    c) An array with properties of that object as the Key elements.
    d) An array with keys of that object as the array's elements.

17. Which of the following is the correct syntax of initializing array?
    a) $arr = array();
    b) $arr = array('one', 'two', 'three', 'four');
    c) $arr = array('one' => 1, 'two' => 2, 'three' => 3, 'four' => 4);
    d) All of the above

18. What will be the output of the following code:
    ```
    <?
    $a = 5;
    echo $a;
    ?>
    ```
    a) 5
    b) Error
    c) NULL
    d) None of above

19. Which of the following variables is not a predefined variable?
    a) $_GET

b) $_POST

c) $_REQUEST

d) $_ASK

20. Which one of the following is not a superglobal array used to pass data from one page to another page?

a) $_POST

b) $_GET

c) $_REQUEST

d) None of the above

21. Which one of the following is not a superglobal array used to pass data from one page to another page?

a) $_POST

b) $_GET

c) $_REQUEST

d) All of the above

22. Which of the following variable is used to hold values of the current session?

a) Cookie

b) Session

c) a and b both

d) None of above

23. MySQL runs on which operating systems?

a) Linux and Mac OS-X only

b) Any operating system at all

c) Unix, Linux, Windows and others

d) Unix and Linux only

24. To remove duplicate rows from the result set of a SELECT use the following keyword:

a) NO DUPLICATE

b) UNIQUE

c) DISTINCT

d) None of the above

25. Which of the following can add a row to a table?

a) Add

b) Insert

c) Update

d) Alter

26. MySQL is

a) A Programming language

b) A Programming language

c) A technique for writing reliable programs

d) A Relational Database Management System

27. Which of the following is used to delete an entire MYSQL database?

a) mysql_drop_database

b) mysql_drop_entiredb

c) mysql_drop_db

d) mysql_drop_dbase

28. The data type BLOB stands for:

a) Binary Large Object

b) Big List Object

c) Binary List Object

d) None of the above

29. 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

30. If session.use_cookie is set to 0, this results in use of..

a) Session

b) Cookie

c) URL rewriting

d) Nothing happens

31. Which one of the following function is used to start a session?

a) start_session()

b) session_start()

c) session_begin()

d) begin_session()

32. 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()

33. What will the function session_id() return is no parameter is passed?

a) Current Session Identification Number

b) Previous Session Identification Number

c) Last Session Identification Number

d) Error

34. 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

35. 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);

36. 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');

37. 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) row()

Unit 2. MVC in CodeIgniter

Short Question:

1. How to fetch any configured option from config.php file?
2. Which method will return the base url of the CodeIgniter website?
3. To connect with the database which file needs to be update?
4. List any four features of the CodeIgniter.
5. List any four databases supported by CodeIgniter.
6. Is it necessary to create model?
7. How CodeIgniter is loosly coupled in terms of MVC architecture?
8. What is CodeIgniter?
9. Which component of CodeIgniter perform loading of library classes?
10. What is the meaning of each URI segments in URL?
11. What is the purpose of .htaccess file?
12. How can you remove "index.php" from URL?
13. How can you add any suffix in URL?
14. How to enable query string in CodeIgniter?

15. What is controller?
16. What are the reserved controller names which cannot be used by programmer?
17. Which class is extended by every controller?
18. Where do views are stored in CodeIgniter?
19. What is a path for header and footer pages?
20. How to return data from view in CodeIgniter?
21. What is a model?
22. How to load model automatically?
23. What is active record?

Long Question:

1. What is CodeIgniter? Discuss the features of CodeIgniter.
2. How data flows throughout the system in CodeIgniter?
3. How will you create a first static page in CodeIgniter?
4. Which pages and folders are used when you execute any static page?
5. Write a note on CodeIgniter URLs.
6. Justify: "CodeIgniter generates clean URL".
7. Write a note on controllers of CodeIgniter.
8. When functions need to be created in controller? When it is called?
9. How can you pass parameters in function of controller class? Explain with example.
10. Explain how URI segments are mapped within controller?
11. Explain _remap() function with example.
12. Write a short note on views of CodeIgniter.
13. How can you load views in CodeIgniter? Explain with example.
14. How to pass and return data in views of CodeIgniter?
15. Write a note on models of CodeIgniter.
16. How to load a model in CodeIgniter?
17. Explain the methods of Active Record Class.

Multi Choice Questions:

1. MVC Stands for _____.
    a. Mobile View Control
    b. Model Vast control
    c. Model View Controller
    d. None of the Above

2. The most important point about MVC is –
    a. The idea of separating the business logic and data access layers from the presentation layer.
    b. The idea of creating automated system
    c. The idea of make programming easy to learn

   d.   None of the above

3. CodeIgniter is –
       a.   Open Source Application
       b.   Web Development Application
       c.   Built using PHP MySQL
       d.   All of the above

4. The urls generated by CodeIgniter are search-engine friendly and clean because they use
       a. Query String approach
       b.   Segment-based approach
       c. Keyword-based approach
       d.   SEO-based approach

5. Which of the following is not true about CodeIgniter?
       a. It is light-weight.
       b.   It is fast.
       c. It uses Delphi Modelling Techniques.
       d.   It uses MVC.

6. What is true for CodeIgniter?
       a. The index.php serves as the front controller
       b.   View is called automatically
       c. Cannot create constructor of controller class
       d.   None of the above

7. Identify the correct URL format of CodeIgniter.
       a. http://baseurl/controller/method/parameter
       b.   http://baseurl/controller/parameter /method
       c. http://baseurl/method/controller/ parameter
       d.   http://baseurl/controller/parameter

8. Where controllers are saved in CodeIgniter?
       a. Application/controllers
       b.   application
       c. application/system/controllers
       d.   application/helper

9. What should you do to load a default controller?
       a. Add a setting to application/config.php

    b.   Give the default controller name

    c. Always inherit the parent controller

    d.   Specify it in application/config/routes.php

10. What should the first segment of URI represents?
    a. Which system library to load
    b.   Which controller should be called
    c. Which function in the controller gets called
    d.   All of the bove

11. If your controller contains a function named _remap(). Which of the following is true?
    a. It will always get called regardless of what the URI contains
    b.   It overrides the normal behavior in which the URI determines which function to call
    c. CodeIgniter permits user to override normal behavior through the use of the _remap() function.
    d.   All of the above.

12. Which of the following is a private function in CodeIgniter?
    a. _helloworld
    b.   Helloworld
    c. Helloworld_private
    d.   Private_helloworld

13. Identify a valid controller name.
    a. CI_Controller
    b.   Controller_CI
    c. controller_CI
    d.   All are valid

14. www.srimca.edu.in/class/function/ID. The first segment in this example represents
    a. Controller class
    b.   Controller variable
    c. Library class
    d.   Library variable

15. If you want a url like this, example.com/index.php/products/view/email, what should you do?
    a. Disable query strings
    b.   Use a controller called do codeigniter
    c. Use URL Suffix

    d. All of the above

16. What is NOT true for controller?

    a. Controller extends the parent controller class.

    b. Controller is simply a class file.

    c. Controller file is stored in your application/controllers/ folder.

    d. All of the above

17. How to load a view?

    a. $this->load->view('name');

    b. $this->view('name');

    c. $this->load('name');

    d. None of the above.

18. How to load a view?

    a. $this->load->view('name', $data);

    b. $this->load->view('name');

    c. $string = $this->load->view('myfile', '', true);

    d. All of the above.

Unit 3. Libraries, Routing and Error Handling in CodeIgniter

Short Questions:

1. What is helper?
2. How to load a helper?
3. How to load multiple helpers?
4. How to load helper automatically?
5. What are the naming conventions of CodeIgniter library?
6. Which function loads driver?
7. What is the default prefix of core classes of CodeIgniter?
8. How to use regular expression in routing rules?
9. Write a purpose of show_error() function.
10. Write syntax of show_404() function.
11. What does log_message() function do?
12. What is profiler class?

Long Questions:

1. Write a note on helpers.
2. How to extend a helper? Explain with example.
3. How to create and use your own library in CodeIgniter? Explain with example.
4. How to pass parameter to your library? Explain with example.
5. How to use CodeIgniter resource within your library?
6. How to replace native library with your own library? Explain with example.
7. How to extend native library in CodeIgniter?

8. How to use CodeIgniter driver?
9. Discuss driver directory and file structure.
10. How to extend core classes of CodeIgniter?
11. How to set your own routing rules?
12. Explain error handling in CodeIgniter.
13. Write a note on profiler.
14. How to enable and disable profiler in your website?

Multi Choice Questions:

1. Which of the following is not Helpers?
   a. Text Helpers
   b. Query String Helpers
   c. Cookie Helpers
   d. File Helpers

2. CodeIgniter loads Helper files by default.
   a. True
   b. False
   c. Can load automatically when needed.
   d. None

3. Which option is used to load multiple helpers?
   a. $this->load->helper(array('helpaer1','helper2','helper3'));
   b. $this->load->helpers('helper1', 'helper2','helper3');
   c. $this->load->helpers(array('helper1','helper2','helper3'));
   d. $this->load->helper('helper1', 'helper2','helper3');

4. Where you should create a file to extend helpers?
   a. system/helpers/
   b. application/config/
   c. application/helpers/
   d. application/controllers/

5. How you can add codeIgniter libraries?
   a. $this->add->library('class name');
   b. $this->load->library('class name');
   c. $this->use->library('class name');
   d. All of the above
6. Where drivers are found?
   a. system/drivers
   b. application/libraries

        c. application/drivers

        d.   system/libraries

7. Routing rules are defined in which file?

        a. system/config/routes.php

        b.   system/routes.php

        c. application/config/routes.php

        d.   application/routes.php

Unit 4. Managing Content Using Joomla

Short Questions:

1. Which property will you set to show the articles in order of recently added first in category blog layout?
2. What will you find in the page of category list layout?
3. Where will you change to make your 'New Menu' to be the first menu on the left column of your webpage?
4. What you need to change to show 3 articles only on full mainbody of homepage and no any columns or links?
5. Which property should be enabled to display the article on frontpage of Joomla?
6. Where will you change to make your 'New Menu' to be the first menu on the left column of your webpage?
7. Which change is required to change the login form from left side to right side in Joomla?
8. How can you move an article from one category to another category in Joomla?
9. How can you make a login form visible on front page of Joomla?
10. How can you add an uncategorized article in Joomla?
11. List the menus available in backend of Joomla.
12. From where can you remove a link of next and previous shown on homepage?
13. Where you will find 'Media Manager' in the backend of Joomla?
14. How to change maximum upload size for a file to be uploaded using media manager?
15. From where can you add link of an article in another article?

Long Questions:

1. Write a short note on features of Joomla.
2. Explain the user interface for managing category in Joomla backend.
3. What tasks needed to be followed to make article visible on front end of Joomla?
4. Write steps to add a new article having title 'Session Management in PHP' in 'PHP MySQL' category of 'Computer Science' category.
5. Write steps to add a new menu 'About Products' and add a links of category 'Electronics', category 'Mobile Phone'.
6. Write steps to add a new article having title 'Nokia Lumia' in 'Mobile Phone' category of 'Electronics' category.
7. Write steps to add a new menu 'Tutorials' and add a links of category 'Computer Science', category 'PHP MySQL'.

8. How can you make a link of 'register to read more' link instead of 'read more' link.
9. Explain options available in Media Manager.
10. What will you find on the control panel of Joomla backend?
11. What tasks can be performed using Menu Manager?

Multi Choice Questions:

1. From where can you add new article from the backend?
   a. Article → Article Manager → New
   b. Article → New
   c. Content → Article Manager → New
   d. Category → Article Manager → New

2. What is the purpose of Global Configuration?
   a. To set parameters globally.
   b. To apply highest level of configurations.
   c. To control the process from one place only.
   d. All of the above.

3. From where can you set to show menu at particular position?
   a. Menu → Menu Manager
   b. Menu → Menu Name
   c. Module → Module Manager
   d. Extension → Module Manager

4. Which from the following is not a type of extension?
   a. Module
   b. Plugin
   c. Menu
   d. Template

5. Where the option for selecting page layout is set?
   a. Menu → Menu Manager → New
   b. Menu → Menu Manager → Menu Item → New
   c. Extension → Module Manager → Module Layout
   d. None of the above

6. Which of the following option allows to set sub-menu of a parent menu item?
   a. Parent
   b. Parent item
   c. Sub item
   d. Sub menu

7. Which of the following is NOT the menu type?
    a. Single article
    b. Iframe wrapper
    c. Breadcrumbs
    d. Login form
8. Which of the following page layout allows to open an external URL?
    a. Wrapper
    b. System links
    c. Configuration manager
    d. News feeds
9. Which of the following option allows to set access level on multiple menu item together?
    a. Rebuild
    b. Batch
    c. Batch-access
    d. Group
10. Which of the following page layout allows to display a list of articles for a specific category?
    a. List category
    b. Category list
    c. Blog list
    d. List all categories

Unit 5. Users and Extensions of Joomla

Short Questions:
1. Which things will you get on the default home page layout of Joomla?
2. Which property will you set to show the articles in order of recently added first in category blog layout?
3. What will you find in the page of category list layout?
4. Which property will you set to show the articles in order of author's name in category blog layout?
5. What will you find in the page of category blog layout?
6. Where you need to go to make changes in CSS of any template in Joomla?
7. Which front-end user is capable to edit article of any other user?
8. Which things are displayed in the main body on the page with 'Category List Layout'?
9. What is the difference between manager and administrator?
10. From where can you remove a link of next and previous shown on homepage?
11. Where can you find a component after installing it?
12. How can you select any template as default?
13. How can you enable 'Preview Module Position'?

Long Questions:
1. Write notes on users of Joomla?
2. Which are the types of extensions available in Joomla?

3. What is difference between component, plugin and module?
4. Explain how can you manage templates in Joomla?
5. Explain 'Extension Manager' option available at backend of Joomla.
6. How can you update content of 'index.php' file of template using backend?
7. Explain page layouts available in Joomla.
8. How can you change a page layout of home page of Joomla?
9. How can you set a menu to be displayed on home page only?
10. Explain 'Users' menu in backend of Joomla.

Multi Choice Questions:
1. Which of the following option is required to set to enable front end user registration?
   a) Global configuration->user manager->enable user registration
   b) Global configuration->User manager->set default user group
   c) User manager->options
   d) Options->set registration

2. Which of the following page layout allows to open any other web link in current web site?
   a) Template configuration
   b) Site configuration
   c) System
   d) Wrapper

3. Which of the following options allows to uninstall any extension?
   a) Extension manager->install
   b) Extension manager->manage
   c) Extension->template manager
   d) Extension manager->discover

4. Which of the following module allows to display images of specific directory to be display at a particular time interval?
   a) Custom HTML
   b) Random images
   c) Breadcrumbs
   d) Wrapper

5. Which of the following options allows to set specific template for any page?
   a) Menu assignment
   b) Advanced
   c) Style options
   d) Details

6. Which of the following options allows to enable template preview with module position?
   a) Global configuration->template manager->preview module position
   b) Template manger->styles
   c) Template->advanced option
   d) Template->menu assignment

7. Which of the following plugin allows to verify gmail ID?
   a) Authentication-Joomla
   b) Authentication-Cookie
   c) Authentication-LDAP
   d) Authentication-Gmail

8. Which of the following plugin allows to display pagination?
   a) Plugin- pagination
   b) Content - Page navigation
   c) Content-pagination
   d) Plugin - page navigation

9. Which of the following is NOT the type of extension?
   a) Plugin
   b) Template
   c) Module
   d) Menu

10. Which of the following options is required to set to restrict a module visible by guest?
    a) Status
    b) Access
    c) Advanced
    d) Menu assignment

Unit 6. Customization in Joomla

Short Questions:
1. Which are two most important files for creating template?
2. What is the name of configuration file of template?
3. How to install template created by you?
4. How to display all modules at particular position?
5. How can you display a single module on index.php?
6. How can you get a base url in index.php?
7. What is the naming convention for plugin name?

8. What is the naming convention for plugin class?
9. What is the name of configuration file of plugin?
10. What is the class name for creating a module?

Long Questions:
1. Explain steps to create custom template?
2. Write a note on templateDetails.xml file.
3. Write a note on index.php file.
4. Which are the two different ways to use a template created by you?
5. Which are the types of plugin?
6. How plugin works?
7. Write steps to create a plugin.
8. Explain any three event of user group of plugin.
9. Write steps to create a module.
10. Explain any three events of content group of plugin.

Multi Choice Questions:
1. Which of the following property is required to set at the creation time of the plugin?
   a)Type
   b)Group
   c)Plugin_type
   d)Plugin_group

2. When a custom plugin get installed by default it is disabled.
   a)False
   b)True

3. If the template is already inside templates directory of the website then which of the following options shall be used to install the custom template.
   a) Install
   b) Manage
   c) Discover
   d) Browse

4. Which of the following statement is INCORRECT?
   a) <jdoc:include type="module" name="login" />
   b) <jdoc:include type="module" name="position-1" />
   c) <jdoc:include type="message" />
   d) <jdoc:include type="modules" name="footer" />

5. Which of the following tag is used to add extra options to any template/plugin?
   a) <configuration>
   b) <option>

c) <config>
d) <setting>

6. Which of the following is CORRECT naming convention of the plugin class?
   a) PlgMyplugin
   b) PlgContextMyplugin
   c) PlgContentMyplugin
   d) ContentMyplugin

7. Which of the following file of the module contains the layout of the module?
   a) Mymodule.php
   b) Mymodule.xml
   c) Tmpl/default.php
   d) Helper.php

8. Which of the following class is required to inherit to create custom plugin?
   a) JClass
   b) JPlugin
   c) JCustomPlugin
   d) JForm

9. The format of the extension creation date shall be mm/dd/yyyy.
   a) True
   b) False

10. A module can have more than one layout.
    a) True
    b) False