1. Base URL can be changed from which configuration file:
   a. database   b. config
   c. routes   d. autoload

2. default controller can be set from which configuration file:
   a. database   b. config
   c. routes   d. autoload

3. Which configuration file is used to autoload resources?
   a. database   b. config
   c. routes   d. autoload

4. Which one is the business logic in codeigniter?
   a. model   b. view   c. controller   d. helper

5. Which of the following in MVC can connect to database?
   a. model   b. view   c. controller   d. helper

6. Which are false?
   a) all codeigniter class name should start with uppercase and rest of the name should be in lowercase.
   b) you can remap function calls by using a function in your controller called _remap()
   c) view file cannot call other view files
   d) you can pass data to a view file by using the third parameter of the load->view function.

7. Which variable name is incorrect?
   a. $Text   b. $f   c. $user id   d. $text   e. $some-test-here

   [Question 8-13]
   Consider the link:
   http://mywebsite.ext/index.php/somethingvone/somethingvtwo/somethingvthree

8. What kind of link is this:
   a. URI   b. QueryString   c. ftp link

9. Which one will be treated as parameter in that URI?
   a. index.php   b. somethingvone
   c. somethingvtwo   d. somethingvthree

10. Which one will be treated as method in that URI?
    a. index.php   b. somethingvone
    c. somethingvtwo   d. somethingvthree

11. Which one will be treated as controller in that URI?
    a. index.php   b. somethingvone
    c. somethingvtwo   d. somethingvthree

12. Which one will control all the segments?
    a. index.php   b. somethingvone
    c. somethingvtwo   d. somethingvthree

13. Which are true:
    a) helper can only be loaded in controller and model. View cannot load helper
    b) we cannot load multiple helper by passing an array of values to the first parameter.
    c) Plugins are stored within system/application/plugins/ folder.
    d) all codeigniter core libraries have the prefix CI_

14. You can display the amount of memory used by the system by calling:
    a) $this->benchmark->memory_use()
    b) $this->memory_use()
    c) $this->benchmark->memory_usage()
    d) $this->memory_usage()

15. Which function is use to set the value of form input box ?
    (a) setvalue()
    (b) set()
    (c) set_value()
    (d) Non of above

16. Which is extremely useful and even though also optional ?
    (a) Model
    (b) View
    (c) Controller

(d) Non of above

17. Which refers to the system of numbering pages-a list of numbered links ?
   (a) Rotating
   (b) Pagination
   (c) Cropping
   (d) All of above

18. What correct line of coded loading a view ?
   (a) $this->load->view('view_name')
   (b) $this->view('view_name')
   (c) $this->load('view_name')
   (d) $this->load->view_name('view')

19. Which class is used to calculate the time between two points in your application ?
   (a) Profiling class
   (b) Security class
   (c) Benchmarking class
   (d) Non of above

20. Which of the following is/are false:
   a. The third parameter in load->view function used for output buffering
   b. The default batch size for bcc is 500
   c. we can store data in session by calling set_userdata() method
   d. to validate form we use the form library in CI.

21. CI session contains the following:
   a. Session_ID
   b. users IP address
   c. user manager
   d. first activity timestamp

22. _____is an Application Development Framework - a toolkit - for people who build web sites using PHP.
   A. Joomla
   B. Zend
   C. CodeIgniter
   D. Wordpress

23. Which statement is true about the View?
   a) A View is simply a class file that is named in a way that can be associated with a URI
   b) A view is simply a web page, or a page fragment, like a header, footer, sidebar, etc
   c) A view is simply a PHP Code, add a different type of function

24. Which statement is true about the Controller?

a) A Controller is simply a class file that is named in a way that can be associated with a URI
b) A Controller is simply a web page, or a page fragment, like a header, footer, sidebar, etc
c) Models are PHP classes that are designed to work with information in your database

25. Which class allows information to be retrieved, inserted, and updated in your database with minimal scripting?
   A. Active Record Class
   B. Helper class
   C. Database Class
   D. URI class

26. _____Runs the selection query and returns the result. Can be used by itself to retrieve all records from a table.
   A. $this->db->getAll()
   B. $this->db->get()
   C. $this->db->getQuery()

27. How to get the average age from a Employee table?
   A. $this->db->select_avg('age');
   B. $this->db->avg('age');
   C. $this-> select_avg('age');

28. Which key word is used callback function ?
   (a) _callback
   (b) callback_
   (c) _callback_
   (d) Non of above

29. How many parameters are set_rules function?
   (a) 4
   (b) 3
   (c) 2
   (d) 5

30. What work in almost exactly the same way as Helpers ?
   (a) Helper
   (b) Plugin
   (c) Library
   (d) All of above

31. Which statement is true about the Models?
   a) A Models is simply a class file that is named in a way that can be associated with a URI
   b) A Models is simply a web page, or a page fragment, like a header, footer, sidebar, etc
   c) Models are PHP classes that are designed to work with information in your database

32. How to load a helper file using the following function?
    a) $load->helper('name');
    b) $Loding->load->helper('name');
    c) **$this->load->helper('name');**

33. Which of the following line of code use to   a  send email?
    a) library('email');
       Mail details code here
       $this->email->send();
    b) **$this->load->library('email');**
       **Mail details code here**
       **$this->email->send();**
    c) $this->load->email;
       Mail details code here….
       $this->email->send();

34. Which of the following code loads and initializes the database class based on your configuration settings?
    a) $this->load->DataFile();
    b) $this->load->DatabaseName();
    c) $this-> database();
    d) **$this->load->database();**

35. Which of the following code is example of query?
    a) $this->db-> ('SELECT name, title, email FROM my_table');
    b) $this->db->query('SELECT name, title, email FROM my_table');
    c) **$query = $this->db->query('SELECT name, title, email FROM my_table');**

36. Which one is not true
    a) we can set automatic filtering on by setting $config['global_xss_filtering'] to TRUE
    b) We can check image for safety in optional second parameter to the xss clean function
    c) The email class also serves as a wrapper class in CI
    d) **email can only be sent from controller**

37. How to initialized upload class in our controller?
    a) $this->load->helper('upload');
    b) $this->load->Uploading('upload');
    c) $this->load->'upload';
    d) **$this->load->library('upload');**

38. Which function gives you to view file friendly syntax to get browser cookies?

39. How to  creates an opening form tag with a base URL built from your config preferences?

    a) echo form_fopen('email/send');
    b) echo form('email/send');
    c) **echo form_open('email/send');**
    d) echo open('email/send');

40. Which rules returns FALSE if the form element is empty?
    a) **required**
    b) compulsory
    c) Empty

41. Which rules returns FALSE if the form element contains anything other than alpha-numeric characters.?
    a) alpha
    b) numeric
    c) **alpha_numeric**

42. Which rules returns FALSE if the form element does not contain a valid email address.?
    a) email
    b) **valid_email**
    c) alpha_numeric

43. How to update data using Active Record Pattern?
    a) $this->db->updated('mytable', $object);
    b) $this->db->ActiveRecord('mytable', $object);
    c) **$this->db->update('mytable', $object);**
    d) $this->db->updateData('mytable', $object);

44. CodeIgniter is fairly restrictive regarding which characters it allows in your URI strings in order to help minimize the possibility that malicious data can be passed to your application.
    a) **Alpha-numeric text**
    b) **Tilde: ~**
    c) **Period: .**
    d) Hypen -

45. The _____class permits you maintain a user's "state" and track their activity while they browse your site.
    a) loader
    b) **Session**
    c) Cookie
    d) Header

a) **get_cookie()**
b) list_cookie()
c) dis_cookie()
d) set_cookie()

46. How to initializing the Session?
   A. $this->load->session();
   B. $this->library('session');
   C. $this->load->Session['session'];
   D. $this->load->library('session');

47. What is the right path to open config.php file?
   a) controller/config/config.php
   b) application/config/config.php
   c) view/config/config.php
   d) application/libraries/config.php

48. What is the correct syntax for a Controller?
a)

```php
<?php
class HelloWorld extends Controller
{
function HelloWorld()
{ parent::Controller();   }
function index()
{ echo("Hello, World!"); }
}
?>
```

b)

```php
<?php
class Helloworld extends Controller
{
function HelloWorld(){
parent::controller();
}
 function index(){
echo("Hello, World!");
}
}
?>
```

c)

```php
<?php
class Helloworld extends Controller
{
function HelloWorld(){
parent:Controller();
}
 function index(){
echo("Hello, World!");
}
}
?>
```

d)

```php
<?php
class Helloworld extend Controller
{
function HelloWorld(){
parent::Controller();
}
function index(){
echo("Hello, World!");
}
}
?>
```

49. Which hook is called immediately after your Controller is executed?
   a) post_controller_constructor
   b) post_controller
   c) pre_controller
   d) display_override

50. How can you enable CodeIgniter's hook?
   a) In config.php setting
      $config['enable_hooks']=TRUE;

   b) In config.php setting
      $config['hooks']=TRUE;
   c) In config.php setting
      $config['enable_hook']=1;
   d) None

51. Which is not CodeIgniter helper function?
   a) $this->load-helper('html');
doctype()
   b) $this->load-helper('array');
element()
   c) $this->load-helper('array');
rendom_element()
   d) $this->load-helper('inflector');
singular()
   e) $this->load-helper('inflector');
plural()
   f) $this->load-helper('inflector');
camelize()
   g) $this->load-helper('inflector');
underscore()
   h) $this->load-helper('inflector');
humanize()
   i) $this->load-helper('text');
highlight_code()
   j) directory_map()
   k) $this->load-helper('html');
html()

52. Which hook is called immediately after your Controller has been instantiated, but prior to any method calls being made?
    a) pre_system
    b) pre_controller
    c) post_controller_constructor
    d) post_controller

53. Which hook is called immediately before your Controller is called?
    a) pre_system
    b) pre_controller
    c) post_controller_constructor
    d) post_controller

54. Which hook point is called very early during system execution?
    a) pre_system hook
    b) pre_controller hook
    c) post_controller hook
    d) None

55. Which function is used to delete query cache?
    a) $this->db->cache_delete()
    b) $this->db->delete_cache()
    c) $this->cache->delete()
    d) None

56. How function is used to turn on query caching in CodeIgniter?
    a) $this->cache->on();
    b) $this->db->cache_on()
    c) $this->db->cache()
    d) None

57. Which of the following functions related to the escaping queries in codeIgniter?
    a) $this->db->escape()
    b) $this->escape_str()
    c) $this->escape_like_str()
    d) $this->escape_string()

58. What is the correct way to rename application as app and system as core folder in codeIgniter?
    a) First open up confing/config.php for codeIgniter base folder and set as follows:
       $system_path = 'core';
       $application_folder = 'app';
       and finally change both folders name as above.
    b) First open up index.php from codeIgniter base directory and set as follows:
       $system_path = 'core';
       $application_folder = 'app';
       and finally change both folders name as above.
    c) First open up confing/constants.php for codeIgniter base folder and set as follows:
       $system_path = 'core';
       $application_folder = 'app';
       and finally change both folders name as above.
    d) None

59. Which library is needed to call encode() and decode() functions to convert password encode or decode?
    a) $this->load->library("encryption");
    b) $this->load->library("encrypt");
    c) $this->load->library("security");
    d) None

60. What is dynamic salting?
    a) Salt is changed in every login
    b) Salt is different for every user
    c) Salt is loaded from database but same for all user
    d) None

61. How can you make complex password salting?
    a) Adding the salt at the beginning of the password.
    b) Replacing some string from password with salt.
    c) None
    d) Split the password up somewhere, and add the salt in the middle.

62. What is password salting?
    a) Adding a function to a password.
    b) Adding a string to a password to change its end hash.
    c) Deleting previous string and adding new string to password.
    d) None

63. Which of the following library is needed to load to call $this->encrypt->sha1() function?
    a) $this->load->library('encrypt');
    b) $this->load->library('encryption');
    c) $this->load->library('security');
    d) $this->load->library('sha');

64. Which of the following ways codeIgniter support filtering data?
    a) $config["global_xss_filtering"]=TRUE
    b) $data=$this->input->post($data,true);
    c) $data=$this->input->xss_clean($data);

d) $data=$this->input->clear_xss($data);

65. SMTP stands for what?
a) Simple Mail Transfer Port
b) Simple Mail Transaction Protocol
c) Sample Mail Transfer Protocol
d) Simple Mail Transfer Protocol

66. Which library is used to send email?
a) $this->load->helper('email');
b) $this->input->library('email');
c) $this->load->library('email');
d) $this->load->library('form');

67. Which of the following line of code is used to show the debugging information?
a) echo $this->input->print_debugger();
b) echo $this->email->print_debugger();
c) echo $this->email->load_debugger();
d) echo $this->email->email_debugger();

68. Which function is used to validate an IP address?
a) if(!$this->input->valid_ip($ip)){
echo "Not a valid IP";
}else{
echo "Valid IP!";
}
b) if(!$this->input->ip_address($ip)){
echo "Not a valid IP";
}else{
echo "Valid IP!";
}
c) if($this->input->valid_ip($ip)){
echo "Not a valid IP";
}else{
echo "Valid IP!";
}
d) if(!$this->load->valid_ip($ip)){
echo "Not a valid IP";
}else{
echo "Valid IP!";
}

69. Which function is used to retrieving GET and POST data?
a) $this->input->get('some_field', TRUE);
b) $this->input->get_post('some_field', TRUE);
c) $this->input->post('some_field');
d) $this->load->get_post('some_field', TRUE);

70. Which is used for Filtering a single item?
a) $name = $this->load->xss_filter($this->input->post('name'));

b) $name = $this->input->xss_filter($this->load->post('name'));
c) $name = $this->input->xss($this->input->post('name'));
d) $name = $this->input->xss_filter($this->input->post('name'));

71. Which provide extra functionality that can be used across multiple projects?
a) Classes
b) Libraries
c) Helpers
d) Plugins

72. When utilizing CodeIgniter resources we could use $CI in place of which super object?
a) $Ci
b) $THIS
c) $this
d) None

73. Which is not a Benchmark step?
a) Mark the ending point.
b) Run the function to show the current time.
c) Mark the starting point.
d) Run the function to show the elapsed time.

74. Which is the correct syntax for benchmark?
a) $this->benchmark->mark('end');
// something happens here
$this->benchmark->mark('start');
echo $this->benchmark->elapsed_time('start', 'end');
b) $this->benchmark->mark('start');
// something happens here
$this->benchmark->mark('end');
echo $this->benchmark->elapsed_time('start', 'end');
c) $this->benchmark->mark('end');
// something happens here
$this->benchmark->mark('start');
echo $this->benchmark->current_time('start', 'end');
d) $this->benchmark->mark('start');
// something happens here
$this->benchmark->mark('end');
echo $this->benchmark->elapsed_time('end', 'start');

75. Which is correct for displaying the total execution time for your application?
a) <?php echo $this->benchmark->elapsed_time(); ?>

b) `<?php echo $this->benchmark->elapsed_time() ?>`
c) `<?php echo $this->benchmark->elapsedTime(); ?>`
d) `<?php echo $this->load->elapsed_time(); ?>`

76. In codeigniter URI stands for
a) <mark>Uniform Resource Identifires</mark>
b) BUnit Resource Identifires
c) CUniform Resource Identity

77. Codeigniter session is simply an array containing the following data
a) <mark>Session ID</mark>
b) <mark>User's IP address</mark>
c) first activity timestamp

78. How we can load multiple helpers?
a) `$this->load->helper('form','url','cookie');`
b) <mark>`$this->load->helper(array('form','url','cookie'));`</mark>
c) `$this->load->helper->'form','url','cookie';`
d) DNone

79. _____ files are a collection of functions in a particular group
a) Plugin
b) <mark>Helper</mark>
c) Libraries
d) None

80. To load library which function is used?
a) <mark>`$this->load->library('name');`</mark>
b) `$this->load->librery('name');`
c) `$this->load->load_library('name');`
d) None

81. Which code is true for loading a helper?
a) `$this->load_helper('form');`
b) <mark>`$this->load->helper('form');`</mark>
c) `$this->load->helper(array('form'));`
d) `$this->load->helpar('form');`

82. If we use closing tag in php file any controller or views then result may show _____.
a) PHP errors
b) warnings
c) even blank pages
d) <mark>All</mark>

83. Which syntax is correct about TRUE,FALSE and NULL?
a) Aif($active == true)<br />$zero = null;<br />function test($test = false)

b) `if($active == true)`
   `$zero = NULL;`
   `function test($test = FALSE)`
c) <mark>`if($active == TRUE)`</mark>
   <mark>`$zero = NULL;`</mark>
   <mark>`function test($test = FALSE)`</mark>
d) `if($active = TRUE)`
   `$zero = NULL;`
   `function test($test = FALSE)`

84. Which is use for business logic of any application?
a) <mark>Controllers</mark>
b) Default controllers
c) Views
d) None

85. _____ are the information that is being presented on the screen to users through theire web browsers.
a) <mark>Views</mark>
b) Controllers
c) Models
d) None

86. CodeIgniter is an open source web application framework for the _____.
a) <mark>PHP language</mark>
b) Java language
c) C language
d) C+ language

87. Which one determine how HTTP request should be handled?
a) <mark>Controllers</mark>
b) Modules
c) Views

88. To set default controller which file would you open?
a) <mark>application/config/ routes.php</mark>
b) application/ routes / routes .php
c) application/ autoload / autoload.php

89. What is full meaning of MVC?
a) <mark>Model View Controller</mark>
b) Models Views Controllers
c) Model View Controllers
d) Models View Controller

90. Which file is used to open autoload resources?
a) <mark>application/config/ autoload.php</mark>
b) application/ routes / routes .php
c) application/ autoload / autoload.php

91. Which of the following in MVC represent any type data(returning,updating,removing)?
    a) **Models**
    b) Views
    c) Controllers

92. Which is represents any type of data that our application may use?
    a) **Model**
    b) Views
    c) Controllers
    d) None

93. What is the difference between helper and plug-in?
    a) **plug-in usually provides a single function, whereas a helper is usually a collection of functions.**
    b) Helper usually provides a single function, whereas a Plug-in is usually a collection of functions

94. true, false, null keywords always should write down in
    a) **Uppercase**
    b) Lowercase
    c) Any one of the above

95. Which is/are the right code for loading a view?
    a) **$this->load->view('view_name');**
    b) $this->load->view(view_name);
    c) **$data['title'] = "My Web Page"; $this->load->view('view_name', $data);**
    d) $data['title'] = "My Web Page"; $this->load->view('view_name',data);

96. Which one provides the extra functionality that can be used across multiple projects?
    a) **Libraries**
    b) Modules
    c) Views

97. Which files are a collection of functions in a particular group?
    a) **Helper**
    b) Libraries
    c) Modules

98. Which is/are the right code for loading Model?
    a) **$this->load->model('model_name');**
    b) **$this->load->model('sub_folder/model_name');**
    c) $this->model_name->function_name();
    d) None

99. Which is correct in CodeIgniter about closing tag?
    a) <?php
       class Helloworld extends Controller{
        function index(){
         echo("Hello, World!");
        }
       }
       ?>
    b) **<?php**
       **class Helloworld extends Controller{**
       **function index(){**
       **echo("Hello, World!");**
       **}**
       **}**
       **/* End of file helloworld.php */**
       **/* Location: system/application/controllers/ */**

    c) <?php
       class Helloworld extends Controller{
        function index(){
         echo("Hello, World!");
        }
       }
       /* End of file helloworld.php */
       /* Location: system/application/controllers/ */
       ?>

    d) None

100. Helpers can be used within__
    a) Models
    b) Controllers
    c) Views
    d) **ALL**