Ruby on Rails Assignment Three Multiple Choice

1. Which of the following statements are correct?
2. Simple SQL queries can be executed in Rails.
3. The primary key is always called id.
4. Rails can work in local, developmental and production environments.
5. The names of tables should always be singular.
6. Which of the following validations in Rails checks for null fields?
7. validates\_presence\_of
8. validates\_length\_of
9. validates\_confirmation\_of
10. validates\_uniqueness\_of
11. Consider the following code snippet:

def index

render

end

The corresponding index.html erb view is as following:

<html>

<head>

<title>Ruby on Rails sample application | <%=@title%></title>

</head>

<body></body>

</html>

Which of the following options is correct?

1. The application will give an exception as @title variable is not defined in controller
2. The HTML page will render with the title: Ruby on Rails sample application | <%=@title%>
3. The HTML page will render with the title: Ruby on Rails sample application|
4. The HTML page will render with the title: Ruby on Rails sample application
5. Which of the following options in Ruby on Rails MVC architecture handles the dynamic data and the classes with the database?
6. Models
7. Controllers
8. Helpers
9. Views
10. Consider the following command:

$ mate public/hello.html

The command will:

1. create a static HTML page in the public directory
2. create a static HTML in the view/layout folder
3. create a static HTML page in the views directory
4. give an error as this is an invalid command for the purpose of creating static pages
5. Which of the following controller actions (by default) are best suited to handle the GET HTTP request?
6. index
7. **show**
8. create
9. edit
10. update
11. Which of the following commands will create a new controller named “admin”?
12. rails generate admin
13. rails generate generator admin
14. rails generate controller admin
15. rails controller admin
16. Which of the following commands will clear out sample users from the development database?
17. rake db:migrate
18. rake db:reset
19. rake db:rollback
20. Which of the following options, when passed as arguments, skips a particular validation?
21. :validate = > skip
22. :validate = > off
23. :validate = > disable
24. :validate = > false
25. Which of the following validations are supported by models?
26. Presence validation
27. Length validation
28. Format validation
29. Database uniqueness validation
30. Which of the following commands will test a particular test case, given that the tests are contained in the file test/unit/demo\_test.rb, and the particular test case is test\_one?
31. $ ruby -|test test/unit/demo\_test.rb –n test\_one
32. $ ruby -|test test/unit/demo\_test.rb –a test\_one
33. $ ruby -|test test/unit/demo\_test.rb test\_one
34. $ ruby -|test test/unit/demo\_test.rb –t test\_one
35. Unit tests are used to test which of the following components of Ruby on Rails?
36. Models
37. Controllers
38. Views
39. Helper classes
40. Which of the following options updates the database with the defined models in a Ruby application?
41. rake db:migrate
42. rake db:reset
43. rake db:rollback
44. rake db:populate
45. Which of the following statements regarding models in Ruby on Rails is correct?
46. The page HTML is generated by model
47. The fetching of data from database is performed by model
48. The web requests sent by the browser is handled by models
49. The routing configuration is done by model
50. Which of the following options is correct for x = 10 and y = 5?
51. x + y = 15
52. x – y = 5
53. x % y = 2
54. x \*\* y = 250
55. Given below are two statements regarding Rails testing.

Statement X: Unit tests are used to test models.

Statement Y: Functional tests are used to test controllers.

1. Statement X is correct, but statement Y is incorrect
2. Statement X is incorrect, but statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. In the Rails application, the developmental and production configuration are stored in the:
6. config/environment folder
7. public folder
8. spec folder
9. task folder
10. Which of the following options is used to insert sample data in a table?
11. rake db:migrate
12. rake db:reset
13. rake db:populate
14. rake db:rollback
15. Which of the following options are correct with regard to showing an image in the HTML erb template in Rails?
16. <% =image\_tag(“logo.png”, alt= > “Sample Logo”, :class= > “round” %>
17. <% =image\_tag(:src= > “logo.png”, alt= > “Sample Logo”, :class= > “round” %>
18. <% =image\_tag(“logo.png”, alt= > “Sample Logo”, class= > “round” %>
19. <% =img\_tag(“logo.png”, alt= > “Sample Logo”, class= > “round” %>
20. When interacting with a Rails application, a browser sends a request, which is received by a web server and passed on to a Rails controller. Which of the following options are correct regarding further actions by the controller?
21. In case of static websites, the controller will immediately render a view
22. In case of dynamic websites, the controller will first interact with a model, and then render a view
23. The controller can directly communicate with views to generate and handle dynamic data
24. The controller can create dynamic HTML using VIEWS
25. What is the output of the following code?

“test”\*5

1. type casting error
2. test5
3. 5
4. testtesttesttesttest
5. Which of the following methods is used to check whether an object is valid or invalid?
6. .valid? and .invalid?
7. Valid() and invalid()
8. isvalid and isinvalid
9. Which of the following actions is fired by default when a new controller is created?
10. index
11. run
12. show
13. login
14. Which of the following commands is used to start a Rails application on the console?
15. rails start
16. rails server
17. rails create
18. rails generate
19. Consider the following code snippet:

class User < ActiveRecord::Base

attr\_accessible :name, :email

validates :name, :presence = > true, :length = > {:maximum = > 40}

end

Which of the following statements is correct?

1. The model will validate an empty name
2. The model will validate names having a maximum length of 40
3. The model will also validate email
4. The model will allow empty email values
5. For a Rails application, the page layout is divided into three sections, namely, header, content and footer. Following is the file that contains the layout of the header.

layouts/header.html.erb

Which of the following options will correctly include the header template on a particular page?

1. <% =include ‘layout/header’ %>
2. <% =render ‘layout/header’ %>
3. <% =’layout/header’ %>
4. <% =renderhtml ‘layout/header’ %>
5. Which of the following options will find a row from the Users table having id = 1?
6. Users.find(1)
7. Users.find :first, :conditions = > [‘id = ?’, 1]
8. Users.find\_by\_id(1)
9. Users.with\_id\_1
10. In a Ruby on Rails MVC application, controllers are used:
11. To handle web requests
12. To supply the dynamic HTML with data from the database
13. To render static HTML pages
14. To handle user validations and authentication
15. Which of the following commands adds the data model info to the model file?
16. bundle install
17. generate model
18. annotate
19. rails server
20. Which of the following options completes the method definition?
21. def
22. end
23. rescue
24. self
25. Consider the following information for a User view:

user\_path named route with value “/users/”

@user = 1

Now, consider the following code in the HTML erb template:

<%=link\_to user\_path(@user), “Angel” %>

What will be the HTML output of this code?

1. <a href=’/users/1’>Angel</a>
2. <a href=’Angel’>/users/1</a>
3. <a href=’/users/1’>/users/1</a>
4. <a href=’Angel’>Angel</a>
5. Consider the following Rails URL:

<http://localhost:3000/users/1>

It gives a routing error when browsed. Which of the following is the correct option to remove this error?

The user’s controller’s action is named “new”.

1. Match ‘/users’, :to = > ‘users#new’
2. Match ‘/users’, to = > ‘users#new’
3. Match ‘/users/’, :to = > ‘users#new’
4. Match ‘/users’, :to = > ‘users/new’
5. When a new controller named “admin2” is created, the JS and the CSS files are created in:
6. controllers
7. helpers
8. assets
9. views
10. Which of the following options will create a many to many relation between users and jobs tables?
11. users\_jobs
12. users\_many\_jobs
13. many\_users\_many\_jobs
14. Given below are two statements regarding controllers.

Statement X: Controllers render HTML templates.

Statement Y: Controller named directories are also created in “app/view/layouts” and “helpers” directory.

1. Statement X is correct, but statement Y is incorrect
2. Statement X is incorrect, but statement Y is correct
3. Both statement X and Y are correct
4. Both statement X and Y are incorrect
5. Which of the following git commands is used to see the list of modified files and new files in a Rails application?
6. git branch
7. git commit
8. git status
9. git add
10. Which of the following serves as a structural skeleton for all HTML pages created?
11. application.html.erb
12. default.html.erb
13. index.html.erb
14. layout.html.erb
15. Which of the following statements is INCORRECT?
16. Rails does not support ODBC connectivity
17. Rails can rollback database changes for development mode
18. Rails can work and connect with multiple databases
19. Rails database information is stored in database.yml file
20. Consider the following two statements:

Statement X: Helper classes are used for input data validations.

Statement Y: Controller classes can also create and return dynamic HTML to the views.

Which of the following is correct?

1. Statement X is correct, but statement Y is incorrect
2. Statement X is incorrect, but statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. Which of the following HTML template languages are supported by Ruby?
6. Embedded Ruby
7. Haml
8. Mustache
9. Razor
10. Which of the following items are stored in the models subdirectory?
11. helper classes
12. database classes
13. HTML layout templates
14. Config files
15. In Ruby, “true” is a type of:
16. Instance variable
17. Pseudo variable
18. Class variable
19. Constant
20. Which of the following is used to commit the changes of your ‘master’ branch to the ‘origin’ repository of the application at github?
21. git push origin master
22. git push master origin
23. git commit origin master
24. git add origin master
25. Which of the following options are correct regarding the method errors[:attribute]?
26. It returns an array of all the errors for :attribute
27. It returns an empty array when no errors occur
28. It is only useful when an error occurs
29. It also verifies the validity of an object
30. What is Merb?
31. It is a database adapter for Rails
32. It is a webserver for Ruby
33. It is a Ruby gem package manager
34. It is a default validation helper class
35. Given below are two statements regarding Ruby Programming language.

Statement X: “redo” restarts an iteration of the most internal loop, without checking loop condition.

Statement Y: “retry” restarts the invocation of an iterator call. Also, arguments to the iterator are re-evaluated.

Which of the following options is correct?

1. Statement X is correct, but statement Y is incorrect
2. Statement X is incorrect, but statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. Following is a code snippet of UsersController, where the index action has been defined:

def index

@users = Users.all

end

Which of the following options are correct?

1. The @users instance variable is available in the index.html.erb view
2. The code will give error as render is not specified
3. The @users instance will be printed in the index.html.erb view
4. The index action will showcase @users data without any layout
5. What is the output of the following code?

$val = 20

Print “Sample Text\n” if $val

1. 20
2. Sample Text
3. No output
4. Syntax error
5. During the deployment of the Rails application through Git, you want certain files to be ignored. Which of the following files performs that operation?
6. .gitignore
7. config.ru
8. Gemfile
9. Rakefile
10. What is the output of the following code?

puts “aeiou”.sub(/[aeiou]/, ‘\*’)

1. \*
2. \*\*\*\*\*
3. \*eiou
4. nil
5. Which of the following are Rails specific assertions to the test/unit framework?
6. assert\_valid
7. assert\_no\_difference
8. assert\_recognizes
9. assert\_send
10. Which of the following will return a User object when used with a model which deals with a table named User?
11. User.new
12. User.destroy
13. User.find
14. User.save
15. In order to enable locking on a table, which of the following columns is added?
16. lock\_version column
17. identity column
18. primary key column
19. lock\_optimistic column
20. In your Rails application, you modify the Gemfile in order to make use of sqlite3-ruby gems. Which of the following options will use these gems, as per the new Gemfile?
21. install bundle Gemfile
22. bundle install
23. mate Gemfile
24. gem bundle install
25. Which of the following validations checks that a passed value is an enumeration and falls in the given range?
26. validates\_associated
27. validates\_inclusion\_of
28. validates\_exclusion\_of
29. validates\_numericality\_of
30. Consider the following code snippet:

def addusers

#adding users code goes here

puts “user created!”

redirect\_to :action = > ‘listusers’

end

Which of the following options is correct?

1. The addusers action will redirect to listusers action after the user is added
2. The addusers action will display the message “user created” and then redirect to listusers action
3. The code will give compilation error
4. The code will show a blank page
5. Given below are two statements regarding Rails views.

Statement X: Conditional statements can be used in erb HTML files

Statement Y: Indentation and whitespaces does not have an effect in erb HTML files

Which of the following options is correct?

1. Statement X is correct, but statement Y is incorrect
2. Statement X is incorrect, but statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. Which of the following replaced the Prototype JavaScript library in Ruby on Rails as the default JavaScript library?
6. jQuery
7. Ajax
8. Script.aculo.us
9. ajax-lib
10. Which of the following options will disable the rendering of the view associated with a controller action?
11. render :layout= > false
12. render :layout= > nil
13. render :layout= > disabled
14. render :layout= > off
15. There is a table Product in a Rails application. The program is required to fetch any 5 rows where the productid is 2. Which of the following is the correct option to perform this action?
16. Product.find(:productid=>2), :offset= >5
17. Product.find(:productid=>2), :limit= >5
18. Product.find(:productid=>2), :only= >5
19. A controller class named ‘user’ is created. Also a method named ‘showuser’ is created. But when the URL ‘/user/showuser’ is browse d, an error occurs. What could be the cause of the error?
20. The route has not been mentioned in the router.config file due to which the error occurs
21. The default action ‘index’ was called with data ‘showuser’, which was not handled
22. No view is associated with the action ‘showuser’.
23. In a Rails application, the development.log file contains:
24. the routing information of the Rails app
25. the automatically generated SQL statements
26. the HTML layout template
27. the database connections
28. In Rails Views, form\_remote\_tag will:
29. create a form, which will be submitted with an XMLHttpRequest
30. create a form, which will be submitted with a regular HTTP request
31. create a form, which will be submitted with an AJAX request
32. give a syntax error as it is an invalid tag
33. Which of the following options will create a new Rails application with default templates?
34. rails new <application\_name>
35. rails create <application\_name>
36. rails server <application\_name>
37. rails generate <application\_name>
38. Consider the following Ruby on Rails command:

rails generate model User name:string email:string

Which of the following statements are correct?

1. The command will give invalid syntax error
2. The command will only create a model named User, and not the controller and view files
3. The command will create all controller, model and view files with the name User
4. The command will create a database table named User
5. What is the output of the following ruby code?

puts “The multiplication output of 10, 10, 2 is #(10\*10\*2)”

1. 200
2. The multiplication output of 10, 10, 2 is #(10\*10\*2)
3. The multiplication output of 10, 10, 2 is 200
4. The code will give a syntax error
5. Which of the following protects “NOT NULL” fields against missing a user input?
6. validates\_acceptance\_of
7. validates\_presence\_of
8. validates\_numericality\_of
9. validates\_confirmation\_of
10. Consider the following Rails URL:

<http://localhost:3000/users/1>

It gives a routing error when browsed. Which of the following is the correct option to remove this error?

The user’s controller’s action is named “new”.

1. match ‘/users’, :to => ‘users#new’
2. match ‘/users’, to = > ‘users#new’
3. match ‘/users/’, :to = > ‘users#new’
4. match ‘/users’, :to = > ‘users/new’
5. Which of the following types of associations are supported by Active Record?
6. One to one
7. One to many
8. Many to many
9. Many to one
10. Which of the following options is used to merge the changes from ‘master’ branch in git, given that the current working branch is ‘developer’?
11. git merge master
12. git merge developer
13. git push master
14. git commit developer
15. In a typical Rails application, files such as images and cascading style sheets (CSS) are stored in the:
16. app directory
17. doc directory
18. public directory
19. lib directory
20. config directory
21. Which of the following helpers pass the record to a separate class for validation?
22. validates\_each
23. validates\_with
24. validates\_format
25. validates\_uniqueness
26. Following is a command executed on the Rails console:

rails console --sandbox

What does this command do?

1. It runs the application in restricted mode, where limited features are available
2. It runs the application such that any modifications are rolled back on application exit
3. It does not run the application, but displays the application configuration instead
4. Given below are two statements regarding Ruby programming.

Statement X: eql? returns true if the receiver and argument have both the same type and equal values.

Statement Y: .equal? returns true if the receiver and argument have both the same type and equal values.

Which of the following options is correct?

1. Statement X is correct, but statement Y is incorrect
2. Statement Y is incorrect, but statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. Which of the given options is correct regarding the following line of code?

<%= link\_to “About Us”, aboutus\_path %>

1. It will create a link to a page having the URL “aboutus\_path” and the name “About Us”
2. It will create a link to a named route “aboutus\_path” with the name “About Us”
3. It will give an error
4. It will generate an empty link HTML with the name “About Us”
5. Which of the following is the file name of the default layout file?
6. default.erb
7. application.html.erb
8. default.html.erb
9. application.erb
10. Which of the following web servers are to be installed as a separate gem and NOT included in the Ruby on Rails installation?
11. WEBrick
12. Lightpd
13. Passenger
14. Mongrel