Ruby on Rails Assignment One Multiple Choice

1. Consider the following irb quotes, in one of them = > is not the real irb result

Which one of the following is it?

1. irb(main):001:0> “gin joint”.length

= > 9

1. irb(main):001:0> “hello”[2]

= > “e”

1. irb(main):001:0> “Rick”.index(“c”)

= > 2

1. irb(main):001:0> “e”\*3

= > “eee”

1. None of the above
2. What is WEBrick?
3. A FastCGI adapter
4. A Ruby library program to build HTTP servers : correct .
5. A high performance, highly scalable, C based HTTP server
6. None of the above
7. Consider the following code:

class AddressBookController < ApplicationController

def index

fetch\_address #Custom defined method

end

def add

@address=logged\_user.addresses.create

fetch\_addresses

render :update do |page|

page.replace\_html ‘addressDetails’, :partial = > ‘edit’

page.replace\_html ‘addressList’, :partial = > ‘list’

page.replace\_html ‘addressBookButtonBar’, :partial = > ‘buttons’

end

end

end

Which of the following statements are true?

1. render :update will generate RJS code
2. AddressBookController is a model
3. When the RJS generated by the render action is executed by the browser, elements named ‘addressDetails’, ‘addressList’ and ‘addressBookButtonBar’ will be updated with ‘edit’, ‘list’, ‘buttons’ partials respectively
4. Michael has created different models and controllers in his application ‘AirwaysMngmt’. Which of the following testing types should he implement when he needs to test his models?
5. Unit tests
6. Functional tests
7. Individual tests
8. None of the above
9. Which method accepts a variable number of parameters?
10. def \*print\_nums(numbers)

end

1. def print\_nums(\*numbers)

end

1. def print\_nums()()

end

1. def print\_nums(ANY numbers)

end

1. Which of the following statements are true regarding database handling?
2. Table names should be singular to be automatically recognized
3. The primary key should be auto incremented and be called id
4. Rails can only connect to local database
5. Rails automatically extracts the columns from tables, and convert them to attributes
6. Which one of the following statements is correct to check the uniqueness of a field and display the “already exists” message?
7. validates\_uniqueness\_of :category, “already exists”
8. validates\_uniqueness\_of :category, :message = > “already exists”
9. validates\_uniqueness\_of :category (“already exists”)
10. validates\_uniqueness\_of\_with\_message :category, “already exists”
11. Which statement raises an exception correctly?
12. raise
13. raise “bad encoding”
14. raise InterfaceException, “Keyboard failure”, caller
15. None of the above
16. You have created two tables “authors” and “stories”. You need to create a many to many relationship (an author can have multiple stories, and a story can have multiple authors), what should be the name of the join table for it to be automatically used by Rails?
17. many\_authors\_for\_stories
18. authors\_stories
19. stories\_authors
20. many\_authors\_many\_stories
21. many\_many\_authors\_stories
22. Page caching cannot always be used. In the following scenarios, which ones not suitable for page caching?
23. Dynamic pages
24. Stateless pages
25. Web Services
26. Weblogs
27. Wikies
28. Forums
29. In the following statement, “method” is the method name and “ClassName” is the class name, the rest should be “as is”. How can you define a class method in Ruby?
30. def self.method
31. static def method
32. class def method
33. def ClassName.method
34. Read the following code:

class WeblogController < ActionController::Base

def add\_post

#create post

flash[:notice]=”Post successfully added”

redirect\_to :action = > ‘list’

end

end

In the above code, what does flash do?

1. It writes the message to the logs
2. It passes the message to the list action
3. It flashes a message for a while
4. None of the above
5. Actions that fail to perform as expected throw exceptions. These exceptions can either be rescued for public view (with a nice user-friendly explanation) or for the developers view (with tons of debugging information). The developers view is already implemented by the Action Controller, but the public view has to be tailored to your specific application. Which module provides this functionality?
6. ActionController::UserExceptions
7. ActionController::Rescue
8. ActionController::Messages::Specific
9. ActionController::Exception::UserException
10. When you install the Rails framework, which of the following command-line tools do you get that are used to construct each new Rails application that you write?
11. rails
12. railPro
13. rails-config
14. rails-frame
15. Which command creates a model class by taking the help of a Rails helper script?
16. ruby script/generate model Account
17. ruby create model Account
18. ruby script model Account
19. ruby script/create model Account
20. Rails provides some useful helper scripts to create new classes. Which of the following statements creates a controller class by taking help of a Rails helper script?
21. rails exists controller Mytest
22. rails create controller Mytest
23. rails generate controller Mytest
24. Consider the following code:

1 cookies[:username]={:value = > “Jon Doe”, :expires = > 1.hour.from\_now}

Which of the following statements are true?

1. “:expires = > 1.hour.from\_now” is equivalent to “:expires = > Time.now.advance(:hours = > 1)”
2. A cookie named “username” is read from the request and its value is changed to “Jon Doe”
3. When set this way, cookies are secure by default (sent only to HTTPS servers)
4. A cookie is written and it will be sent with the HTTP response
5. Which of the following statements are true regarding threads?
6. When a process spawns a thread, all global, instance and local variables are shared among threads
7. Ruby threads are totally out-of-process, and are implemented outside the Ruby interpreter
8. Ruby threads are in fact coroutines, thus, everything is thread safe
9. A process can have more than two threads
10. Ruby on Rails closely follows the Model View Controller architecture for writing real-world applications. Which of the following are correct regarding Model View Controller?
11. The model is responsible for maintaining the state of the application
12. The model is responsible for generating a user interface
13. The view is responsible for generating a user interface
14. The view itself handles incoming data
15. None of the above
16. You want to use ‘Action Caching’ for speeding up your application. Which of the following hold true for ‘Action Caching’?
17. Filters are run after the code is served
18. Action Caching uses fragment caching internally
19. Action Caching allows for authentication and other restrictions
20. Unlike Page Caching, action caching cannot be expired
21. Which of the following web services can be used to run Ruby on Rails?
22. Mongrel
23. nginx
24. WEBrick
25. Which method of ActionController::AbstractRequest returns the MIME type of request?
26. encoding()
27. content\_type()
28. mime\_type()
29. None, an HTTP request has no MIME type, only responses have them
30. You are developing an HTML page that needs to link with JavaScripts and style sheets. Which Helper will be more suitable for performing this function?
31. ActiveRecordHelper
32. AssetTagHelper
33. CaptiveHelper
34. None of the above
35. Which exception, among the following, is not provided by Ruby?
36. NoMemoryError
37. ScriptingError
38. LoadError
39. NotImplementedError
40. None of the above
41. A central component of Rails is the ActiveRecord class. Which of the following are true about ActiveRecord?
42. ActiveRecord maps relational tables to Ruby objects
43. While using ActiveRecord, naming rules should be followed to create the primary key and foreign key
44. The Ruby models within an application’s “app/models/” directory can call a variety of validation methods of ActiveRecord
45. None of the above
46. In which of the following files will you find the SQL statements automatically generated by Rails?
47. SQLQueries.log
48. Rails.yml
49. development.log
50. SQLContainer.yml
51. None of the above
52. You want to check that a particular field is present and its contents are not empty. Which of the following functions will you use in this scenario?
53. is\_nothing
54. validates\_precence\_of
55. field\_exists
56. field\_not\_null
57. None of the above
58. You are building a multi-user system and you want that Rails should do optimistic locking. Which of the following fields should you add?
59. lock\_optimistic
60. lock\_version
61. lock\_enable
62. multiuser\_lock
63. You have a table called Articles with 100 rows in it. You need to fetch rows 10 to 20 (ordered by created\_at). Which one of the following statements would you use?
64. Article.find :all, :range = > [10, 20], :order = > ‘created\_at’
65. Article.find :all, :offset = > 10, :limit = > 10, :order = > ‘created\_at’
66. Article.find :all, :offset => 10, :limit = > 20, :order = > ‘created\_at’
67. You have an Articles table. Which of the following search statements will return the Article with id 23?
68. Article.find 23
69. Article.find :first, :conditions = > [‘id=?’, 23]
70. Article.find\_by\_id(23)
71. Article.with\_id 23
72. The following code snippet creates and sends an email:

#SendMail.rb

require ‘net/http’

user\_from=[sender@hotmail.com](mailto:sender@hotmail.com)

user\_to=[receiver@hotmail.com](mailto:receiver@hotmail.com)

the\_mail=”subject: Hello\n\nEmail by Ruby.”

begin

Net::HTTP.start(‘auth.smtp.paramrocks.com’, 25, ‘paramrocks.com’,

‘sender@hotmail.com’, ‘password’, :login) do |smtpclient|

smtpclient.send\_message(the\_email, user\_from, user\_to)

end

rescue Exception = > e

print “Exception occurred: “ + e

end

Which statements in the given code contain errors?

1. require ‘net/http’
2. Net::Http.start(‘auth.smtp.paramrocks.com’, 25, ‘paramrocks.com’, ‘sender@htomail.com’, ‘password’, :login)
3. smtpclient.send\_message(the\_email, user\_from, user\_to)
4. rescue Exception = > e
5. Which exception, among the following, is used internally by Ruby?
6. SecurityError
7. RuntimeError
8. fatal
9. RegexpError
10. None of the above
11. In the following statement, what is contained in the argument ‘caller’?

1 raise InterfaceException, “Keyboard failure”, caller

1. Stack trace
2. String ‘caller’
3. Previous exception
4. None of the above
5. Which of the following statements is/are true?
6. If you have test methods which write to the database that are not using fixture data, they need to be cleared manually in the teardown()
7. You can create common objects in the setup() method so you don’t have to recreate them repeatedly in each method
8. Both of the above
9. None of the above
10. Following are two statements regarding catch and throw blocks.

Statement X: Catch defines a block that is labeled with the given name

Statement Y: The catch block is executed normally until a throw is encountered

Which of the following options is correct regarding the above mentioned statements?

1. Statement X is correct
2. Statement Y is correct
3. Both statements X and Y are correct
4. Both statements X and Y are incorrect
5. Which statements hold true for ‘class variable’?
6. A class variable is shared among all objects of a class
7. A class variable is not accessible to the class methods
8. There is only one copy of a particular class variable for a given class
9. Class variable names start with “@” sign, such as “@sign, such as "ames start with "cular class variable for a given classTotalAccounts”
10. There is no such thing as “class variable”
11. Which of the following holds the display templates to fill data from your application, convert to HTML, and then return to the user’s browser?
12. controllers
13. models
14. helpers
15. views
16. Which of the following statements are true?
17. When database.yml is changed, the Web Server has to be restarted, else Rails will never see the new database and the subsequent steps will fail
18. Rails lets you run in the development mode, the test mode, or the production mode, using different databases
19. Rails can connect to multiple databases at once
20. Rails can use ODBC with the correct setup
21. None are true
22. Which method of the ActionView::Helpers::AssetTagHelper module returns a link tag that browsers and news readers can use to auto-detect an RSS or ATOM feed for the page?
23. javascript\_include\_tag
24. RSS\_include\_tag
25. auto\_discovery\_link\_tag
26. None of the above
27. What is the name of the default layout if there is no layout with the same name as the current controller and there is no layout explicitly assigned with the layout method?
28. application.erb
29. start.erb
30. default.erb
31. global.html
32. application.layout
33. None of the above : ( it is application.html.erb )