

## UNIT - IV

### Assignment-Cum-Tutorial Questions

#### A)Objective Questions:

1. **Which of the following is supported by Ruby?** [      ]  
a) Multiple Programming Paradigms  
b) Dynamic Type System  
c) Automatic Memory Management  
d) All of the Mentioned
2. **Which of the following languages syntax matches with the Ruby's syntax?** [      ]  
a) Perl  
b) PHP  
c) Java  
d) JQuery
3. **What is the extension used for saving the ruby file?** [      ]  
a) .ruby extension  
b) .rb extension  
c) .rrb extension  
d) None of the mentioned
4. **Which of the following are valid floating point literal?** [      ]  
a) .5  
b) 2  
c) 0.5  
d) None of the mentioned
5. **Which of the following data types are valid in Ruby?** [      ]  
a) Numbers  
b) Boolean  
c) String  
d) All of the mentioned
6. **What is the output of the given code?** [      ]

```
boolean_1 = 77<78  
puts(boolean_1)
```

- a)Nil
- b)True
- c)False
- d) Error

7.

**What error does the if condition gives if not terminated with end statement?** [      ]

- a) Syntax error
- b) Unexpected end
- c) Expecting keyword end
- d) All of the mentioned

**8. The following syntax is correct for if conditional statement.** [      ]

```
if condition
  code
end
```

- a) True
- b) False
- c) compiler dependent
- d) Error

**9. What is the output of the given code?** [      ]

```
if 11>2
  puts "Eleven is greater than two"
end
print "You'r right"
```

- a) Eleven is greater than two
- b) You'r right
- c) Eleven is greater than two You'r right
- d) None of the mentioned

**10. What is the output of the given code?** [      ]

```
if 79>78
  puts "True".upcase
  if 9>8
    puts "True".Uppcase
    if 7==7
      puts "equal".downcase
    end
  end
end
```

- a) True
- b) Error
- c) True,error
- d) TRUE Undefined method `Uppcase' for String

**11.What is the output of the given code?**

[      ]

```
x=1
```

```
  if x > 2
```

```
    puts "x is greater than 2"
```

```
  elsif x <= 2 and x!=0
```

```
    puts "x is 1"
```

```
  else
```

```
    puts "I can't guess the number"
```

```
  end
```

a) x is greater than 2

b) x is 1

c) I can't guess the number

d) None of the mentioned

**12.What is the output of the given code?**

[      ]

```
for num in 1...5
```

```
  puts num
```

```
end
```

a) 1 2 3 4 5

b) 1 2 3 4

c) 2 3 4 5

d) None of the mentioned

**13.What is the output of the given code?**

[      ]

```
for num in 1..3
```

```
  puts num
```

```
  for i in 1..2
```

```
    puts num*i
```

```
  end
```

```
end
```

- a) 1 2 3 4 5
- b) 1 1 2 2 2 4 3 3 6
- c) 2 3 4 5
- d) None of the mentioned

**14.What is the output of the given code?** [      ]

```
array1 = [[1,2,3,4,5],[0,0,0,0]]
array2 = [[1,2,3],[0,0,0]]
print !array1
```

- **A.** [[1, 2, 3], [0, 0, 0]].
- **B.** [[1, 2, 3, 4, 5], [0, 0, 0, 0]].
- **C.** False
- **D.** Error

**15.What is the output of the given code?** [      ]

```
array1 = [[1,2,3,4],[0,0,0,0]]
array2 = [[1,2,3,4],[0,0,0,0]]
print array1*array2
```

- **A.** [[1, 2, 3, 4], [0, 0, 0, 0]].
- **B.** [[1, 2, 3, 4], [0, 0, 0, 0], [1, 2, 3, 4], [0, 0, 0, 0]].
- **C.** [].
- **D.** Error

**16.What is the output of the given code?** [      ]

```
a=["hey", "ruby", "language"]
b=[1, 2, 3]
puts b[1]
puts a[2]
```

- a) 3 ruby
- b) Error
- c) 2 language
- d) None of the mentioned

**17.What is the output of the given code?** [      ]

```
#!/usr/bin/ruby
(1...5).each do |i|
  puts i
end
```

- a)1,2,3,4
- b) 1,2,3,4,5
- c) 1,2,3,5
- d) 1,,3,4,5

**B.Descriptive Questions:**

1. What is Ruby? Explain the features of Ruby. [CO4,BL2]
2. Categorize the variables of Ruby. Explain it with examples. [CO4,BL2]
3. Compare the variables of ruby. [CO4,BL2]
4. Explain the data types of Ruby with examples. [CO4,BL2]
5. Write a ruby program to print factorial for given number using loop statements. [CO4,BL3]
6. Illustrate the Ruby until loop. [CO4,BL3]
7. Write a ruby program to create add, sub, multiplication, division methods with parameters. [CO4,BL3]
8. Write a program to Create class for “SRGEC”. [CO4,BL3]
9. Write a program to print “SR Gudlavalleru Engineering College” in 10 times using Ruby iterators. [CO4,BL3]