

KATHMANDU UNIVERSITY  
End Semester Examination  
February/March, 2018

Marks Scored:

Level : B.E.  
Year : IV

Course : GEOM 411  
Semester: I

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date **MAR 12 2018**

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Choose the most appropriate answer among the given alternatives.

- The output of which of the codes shown below will be: "There are 4 blue birds."?  
a. 'There are %g %d birds.' %4 %blue      b. 'There are %s %d birds.' %[4, blue]  
c. 'There are %d %s birds.' %(4, blue)      d. 'There are %d %s birds.' 4, blue
- What is the output of the following?  

```
i = 5  
while True:  
    if i%0011 == 0:  
        break  
print(i),  
i += 1
```

  
a. 5 6 7 8 9 10      b. 5 6 7 8      c. 5 6      d. error
- What is the output of the following?  

```
for i in range(2.0):  
    print(i),
```

  
a. 0.0 1.0      b. 0.0 1.0 2.0      c. 0 1      d. error
- What arithmetic operators cannot be used with strings?  
a. +      b. \*      c. -      d. Both (a) and (b)
- Which of the following do you use to read a string?  
a. input("Enter a string")      b. eval(input("Enter a string"))  
c. enter("Enter a string")      d. eval(enter("Enter a string"))
- What is the output of the following?  

```
print('0xa'.isdigit())
```

  
a. True      b. False      c. 0xa      d. Error
- Suppose t = (1, 2, 4, 3), which of the following is incorrect?  
a. print(t[3])      b. t[3] = 45      c. print(max(t))      d. print(len(t))
- What will be the output of the following codes?  

```
t = (1, 2)  
print 2 * t
```

  
a. (1, 2, 1, 2)      b. [1, 2, 1, 2]      c. (1, 1, 2, 2)      d. [1, 1, 2, 2]
- What is the data type of (1)?  
a. Tuple      b. Integer      c. List      d. Set
- Which of the following function changes case for all letters in string?  
a. replace(old, new [, max])      b. strip([chars])  
c. title()      d. swapcase()

11. Suppose `d = {"Ram":40, "Gita":45}`, what happens when we try to retrieve a value using the expression `d["Rita"]`?
  - a. Since "Rita" is not a value in the set, Python raises a `KeyError` exception
  - b. It is executed fine and no exception is raised, and it returns `None`
  - c. Since "Rita" is not a key in the set, Python raises a `KeyError` exception
  - d. Since "Rita" is not a key in the set, Python raises a syntax error
12. Which of the following isn't true about dictionary keys?
  - a. More than one key isn't allowed
  - b. Keys must be immutable
  - c. Keys must be integers
  - d. When duplicate keys encountered, the last assignment wins
13. What is the use of `tell()` method in python?
  - a. tells you the current position within the file
  - b. tells you the end position within the file
  - c. tells you the file is opened or not
  - d. tells you the current size of the file
14. Assume `v1 = IntVar()`, how do you create a check button under parent `frame1` with variable bound to `v1`?
  - a. `Checkbutton(frame1, text = "Bold", command = processCheckbutton)`
  - b. `Checkbutton(frame1, text = "Bold", variable = v1.get())`
  - c. `Checkbutton(frame1, text = "Bold", variable = v1, command = processCheckbutton)`
  - d. `Checkbutton(frame1, text = "Bold", variable = v1.set(), command = processCheckbutton)`
15. To place a button in a specified row and column in its parent container, use \_\_\_\_\_.
  - a. pack manager
  - b. grid manager
  - c. place manager
  - d. flow manager
16. `arcpy.ListDatasets("C*", "Coverage")` returns:
  - a. all datasets in the workspace
  - b. all datasets in the workspace starting with the letter "C"
  - c. all coverage datasets in the workspace
  - d. all coverage datasets in the workspace starting with the letter "C"
17. `tools = arcpy.ListTools("*_analysis")`
  - a. Create a list of geoprocessing tools
  - b. Create a list of tools in the analysis toolbox
  - c. Print each geoprocessing tool's usage
  - d. Print each analysis tool's usage
18. Which of the following properties is not returned by `Describe` function?
  - a. `catalogPath`
  - b. `metadataRetrieved`
  - c. `dataType`
  - d. `fullPropertiesRetrieved`
19. Which of the following method is used to generate version of the GDAL/OGR?
  - a. `ogr.VersionInfo('VERSION_NUM')`
  - b. `gdal.VersionInfo('VERSION_NUM')`
  - c. `ogr.versionInfo('VERSION_NUM')`
  - d. `gdal.versionInfo('VERSION_NUM')`
20. Which of the following gives list of OGR drivers?
  - a. `ogr2ogr -formats`
  - b. `ogr.GetDriverName()`
  - c. `gdal.GetDriverName()`
  - d. `ogr.GetDriver(i)`