

Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026

KU2MDCCAP103 - PYTHON PROGRAMMING FOR ALL
2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is the translator?
2. Explain the concept of portability in high-level programming languages.
3. List the key features of Python.
4. Define Python as an interpreted language.
5. What is the role of the elif keyword in Python conditional statements?
6. What is the purpose of the break statement in loops?
7. Explain the different Relational operators in Python with suitable examples
8. How do you create a dictionary in Python? Give an example.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Write a Python program to check whether a given number is positive, negative, or zero.
10. Rewrite the following in Python after removing all syntax error(s). Underline each correction done in the code.

```
30=X  
for K in range(0,X)  
IF K%4==0:  
print(K*4)  
Else:  
print(K+3)
```
11. Write the output of the following:
(i) for i in '123':

```
print(i)  
(ii) for i in [100,200,300];
```

```
print(i)
(iii) for j in range(1,6):
```

```
print(j*2)
```

12. What are comparison operators in Python? Explain with examples how they are used.
13. Given is a Python list declaration:
names=["Amal", "Ankith", "Ashish", "Rajiv", "Rajath"]
Write the output of :
names.reverse()
print(names)
14. What is a dictionary in Python? How is it different from a list? Write a Python program to demonstrate the difference.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Design an algorithm and flowchart for finding the product of first 10 natural numbers
16. Analyze the features of input and output functions in python with the help of examples.