

Faculty of Law

End Semester Examination May 2025

LW3SE04 IT Skill -II

Programme	:	B.A. LL.B. (Hons.) / B.B.A. LL.B. (Hons.)	Branch/Specialisation	:	All
Duration	:	3 hours	Maximum Marks	:	60

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary.
 Notations and symbols have their usual meaning.

Section 1 (Answer all question(s))**Marks CO BL**

1 1 2

Q1. Which of the following is not a correct feature or characteristic of Python?

Rubric	Marks
Python code must be compiled before execution	1

- Python is dynamically typed
- Python supports multiple programming paradigms
- Python code must be compiled before execution
- Python emphasizes code readability

Q2. What is the correct way to define a variable and assign an integer value in Python 3?

1 1 1

Rubric	Marks
x=10	1

- int x = 10
- x = 10
- x := 10
- declare x = 10

Q3. Which of the following operations can be performed on both lists and tuples in Python?

1 1 1

Rubric	Marks
count()	1

- append()
- count()
- insert()
- sort()

Q4. Which of the following operations will result in adding a new element to a Python list?

1 1 1

Rubric	Marks
list1.insert(0,10)	1

- list1.add(10)
- list1.app(10)
- list1.insert(0,10)
- None of the above

Q5. Which function is used to return the number of items in a dictionary?

1 1 1

Rubric	Marks
len()	1

- length()
 count()
 len()
 size()

Q6. Which of the following statements correctly accesses the value associated with the key 'name' in a dictionary student?

1 1 2

Rubric	Marks
student.get('name')	1

- student.get('name')
 student['name']
 None of the above

Q7. Which statement is true about while loops in Python?

1 2 1

Rubric	Marks
A <code>while</code> loop runs as long as the condition is <code>True</code> .	1

- A while loop executes at least once even if the condition is false.
 A while loop must contain an else block.
 A while loop runs as long as the condition is true.
 A while loop does not support loop control statements like break.

Q8. Which of the following Python loop control statements allows the loop to skip the current iteration and proceed to the next one?

1 2 1

Rubric	Marks
continue	1

- break
 continue
 exit

Q9. Why is data privacy a critical concern when using AI in the legal field?

1 3 1

Rubric	Marks
Legal data often contains sensitive personal and confidential information	1

- Legal professionals prefer handwritten notes
 Legal data often contains sensitive personal and confidential information
 AI cannot process large datasets
 Courts do not allow digital data

Q10. Which of the following technologies is expected to increase transparency and security in legal contracts?

1 3 2

Rubric	Marks
Blockchain technology	1

- Data mining
 Blockchain technology
 Virtual reality
 Machine vision

Section 2 (Answer any 2 question(s))

Marks CO BL

Q11. Explain the history and evolution of Python. How does Python 3 differ from Python 2?

5 1 2

Rubric	Marks
Explain the history and evolution of Python. 2 marks How does Python 3 differ from Python 2? 3 marks	5

Q12. What is Python's fundamental data types? How are variables declared in Python?

5 1 2

Rubric	Marks
What is Python's fundamental data types? 2 marks How are variables declared in Python? 3 marks	5

Q13. Explain any five key features of Python. Why is Python widely used in various applications today?

5 1 2

Rubric	Marks
Explain any five key features of Python. 3 marks Why is Python widely used in various applications today? 2 marks	5

Section 3 (Answer any 2 question(s))

Marks CO BL

Q14. Discuss any four common operations that can be performed on lists in Python. Write appropriate examples to illustrate each operation.

5 1 3

Rubric	Marks
Discuss any four common operations that can be performed on lists in Python. 4 marks Write appropriate examples to illustrate each operation. 1 mark	5

Q15. What is a tuple in Python? Compare tuples and lists in terms of mutability and usage with examples.

5 1 3

Rubric	Marks
What is a tuple in Python? 2 marks Compare tuples and lists in terms of mutability and usage with examples 3 marks	5

Q16. Write and explain any four built-in functions or methods used with tuples in Python. Provide examples for each.

5 1 3

Section 4 (Answer any 2 question(s))

Marks CO BL

Q17. Describe how to access, add, update, and delete values in a Python dictionary. Provide suitable code examples.

5 1 3

Rubric	Marks
Describe how to access, add, update, and delete values in a Python dictionary. 4 marks Provide suitable code examples. 1 mark	5

Q18. What are string slices in Python? Explain the syntax and demonstrate how to extract substrings using slicing with examples.

5 1 3

Rubric	Marks
What are string slices in Python? 2 marks Explain the syntax and demonstrate how to extract substrings using slicing with examples. 3 marks	5

Q19. Discuss various built-in string functions and methods available in Python. Explain their usage with examples. **5 1 3**

Rubric	Marks
Discuss various built-in string functions and methods available in Python. 3 marks Explain their usage with examples. 2 marks	5

Section 5 (Answer any 2 question(s))

Marks CO BL

Q20. Write a Python program to check if a given number is positive, negative, or zero using if-elif-else. **5 2 3**

Q21. Describe the use of for and while loops in Python. When would you prefer using one over the other? **5 2 2**

Rubric	Marks
Describe the use of for and while loops in Python. 4 marks When would you prefer using one over the other? 1 mark	5

Q22. What is the purpose of break, continue, and pass statements in loops? Give one example use case for each. **5 2 2**

Section 6 (Answer any 2 question(s))

Marks CO BL

Q23. Explain how bias and fairness become significant concerns when using AI in legal decision-making. What steps can be taken to reduce such bias? **5 3 2**

Q24. Discuss the importance of data privacy and security in the legal domain when developing AI-based legal tools. How can developers ensure compliance with privacy laws? **5 3 2**

Rubric	Marks
Discuss the importance of data privacy and security in the legal domain when developing AI-based legal tools. 3 marks How can developers ensure compliance with privacy laws? 2 marks	5

Q25. Describe the role of artificial intelligence and blockchain technology in transforming the future of legal practices. Highlight potential benefits and limitations of each. **5 3 3**

Rubric	Marks
Describe the role of artificial intelligence and blockchain technology in transforming the future of legal practices. 3 marks Highlight potential benefits and limitations of each. 2 marks	5
