

Step Academy official

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STUDENT NAME	
PAPER CODE	81834
TIME ALLOWED	150
Paper Date	27-02-2026



CLASS	New 1st Year (FSC/ICS)
SUBJECT	Computer
TOTAL MARKS	100
Paper Type	

Q1. Choose the correct answer.

$$15 \times 1 = 15$$

(A) Financial forecasting

(B) Market analysis

(C) Defining the business idea

(D) Setting sales targets

14. A successful business pitch should be:

(A) Long and detailed

(B) Clear and persuasive

(C) Focused on personal achievements

(D) Directed only at investors

15. Innovation in business focuses on:

(A) Inventing new technologies

(B) Improving existing products and processes

(C) Reducing operational costs

(D) Increasing production speed

Q2. Write short answers of the following questions. Any 6

6X2=12

1 . Explain why the testing phase is important in the Software Development Life Cycle (SDLC), and provide two reasons for its significance.

2 . Evaluate the main steps involved in risk assessment and management, and assess their importance in a software project.

3 . Define operator precedence and give an example of an expression where operator precedence affects the result.

4 . Explain the use of the range() function in a for loop.

5 . Outline the main steps involved in the Generate-and-Test method.

6 . Compare tractable and intractable problems in the context of computational complexity.

7 . Discuss the advantages of using Dynamic Programming

8 . Compare the advantages of Breadth-First Search (BFS) with Depth-First Search (DFS) in graph traversal.

9 . Explain why modular programming is useful in Python.

Q3. Write short answers of the following questions. Any 6

6X2=12

1 . What is difference between enqueue () and dequeue () .

2 . What is a list in Python?

3 . How is a list created in Python?

4 . What does LIFO stand for in the context of stacks?

5 . Which two main operations are performed on a queue?

6 . How does a queue work in real life?

7 . What is the mean of the dataset: 50, 52, 55, 57, 60?

8 . What is the probability of getting heads when flipping a fair coin?

9 . Why is data security important in cloud computing?

Q4. Write short answers of the following questions. Any 6

6X2=12

1 . What legal benefit do Terms of Use offer to businesses?

2 . What is spyware?

3 . What is health research and how can it be useful?

4 . Give an example of how searching for information can be helpful in solving a problem?

5 . Why is it important to use specific keywords when searching for information online?

6 . What does confidentiality mean in research ethics?

7 . Give an example of data-driven decision-making.

8 . What is communication?

9 . What does iteration mean?

Q5. Write detailed answers of the following questions. Any 3

3X8=24

1 . Explain how the while loop works in Python with an example.

2 . Discuss the nature of optimization problems and provide examples of their applications in real-world scenarios.

3 . Explain data collection methods.

4 . Explain the process of creating a business plan, and why each step is critical to the success of a new business.

5 . Describe "Cloud Deployment Models" with examples