

# Syllabus for External Exams

## Computer Science / Hello Code

In this term, we have covered the following Python topics in Computer Science:

- 1. Python Introduction**
- 2. Python Comments**
- 3. Print in Python (Basic Input/Output)**
- 4. Python Variables**
- 5. Casting in Python (Type Conversion)**
- 6. Numeric Datatypes**
  - int (Integer Numbers)
  - float (Decimal Numbers)
- 7. String Datatype**
  - Slicing strings
  - Modify strings
  - Concatenate strings
  - Format strings
- 8. Boolean Datatype (True/False)**
- 9. Operators**
  - Arithmetic Operators
  - Assignment Operators
  - Comparison Operators
  - Logical Operators
- 10. List / Array Datatype**
  - Access or print list items
  - Change list items
  - Add list items
  - Remove list items
- 11. Tuples/ set/ dictionary**
- 12. Conditions**
  - if conditions
  - if-else conditions
  - if-elif conditions
  - if-elif-else conditions
- 13. Match - Case Statements**
- 14. While loop**
- 15. Functions**

- 1. What is Computer**
- 2. What is Mouse**
- 3. What is hardware and software**
- 4. What are input and output devices**
- 5. What is Desktop**
- 6. What is Desktop**
- 7. What are Sensors**
- 8. What are Sensors**
- 9. Microsoft Paint**
- 10. Microsoft Word**
- 11. What are Problems**
- 12. Scratch**
- 13. What are Problems**
- 14. Google Drive**
- 15. What is Internet**
- 16. What are websites**