Conditional Statements (if, elif, else) – 35 Questions

1. Write a program to check if a number is positive.

2. Check if a number is negative or zero.

3. Check if a number is even or odd.

4. Write a program to check if a student passed (marks ≥ 50).

5. Print "Adult" if age ≥ 18 else "Minor".

6. Check if a person is eligible to vote.

7. Find the largest of two numbers.

8. Find the largest of three numbers.

9. Check if a number is divisible by 5.

10. Check if a number is divisible by both 3 and 5.

11. Check if a number is divisible by 3 or 5.

12. Write a program to classify a triangle based on sides (equilateral, isosceles, scalene).

13. Write a program to classify a triangle based on angles (acute, right, obtuse).

14. Determine if a year is a leap year.

15. Check if a character is a vowel or consonant.

16. Check if a character is uppercase or lowercase.

17. Check if a number is a multiple of 7.

18. Check if a number is prime (using if-elif-else).

19. Write a program to give grade based on marks (A, B, C, D, F).

20. Check if a person is eligible for a loan based on age and salary.

21. Determine if a person should wear a coat (temperature < 10).

22. Check if a number lies in the range 1–100.

23. Check if a number is outside the range 1–10.

24. Find the smallest of three numbers.

25. Determine if a student qualifies for scholarship (marks ≥ 90).

26. Check if a person can ride a roller coaster (height ≥ 120 cm).

27. Check if a triangle can be formed with given sides.

28. Check if a number is single-digit, double-digit, or triple-digit.

29. Determine the season based on month number.

30. Check if a given day number corresponds to a weekend or weekday.

31. Write a program to assign categories based on age (child, teen, adult, senior).

32. Check if input is "yes" or "no" (case-insensitive).

33. Check if a number is divisible by 2, 3, or 5.

34. Determine if three numbers are in ascending order.

35. Write a program to classify numbers as positive, negative, or zero.

For Loops – 20 Questions

36. Print numbers from 1 to 10 using a for loop.

37. Print numbers from 10 to 1 in reverse order.

38. Print all even numbers from 1 to 20.

39. Print all odd numbers from 1 to 20.

40. Print squares of numbers from 1 to 10.

41. Print cubes of numbers from 1 to 10.

42. Print multiplication table of a given number.

43. Print sum of first 10 natural numbers.

44. Print all elements of a list.

45. Print all elements of a tuple.

46. Print each character of a string.

47. Count vowels in a string.

48. Print numbers divisible by 3 in a list.

49. Print factorial of a number using for loop.

50. Print Fibonacci sequence up to n terms using for loop.

51. Iterate over a dictionary and print keys and values.

52. Print indices and values of a list using range().

53. Print a list in reverse order using for loop.

54. Print all positive numbers in a list.

55. Create a pattern using nested for loops (triangle of stars).

While Loops – 15 Questions

56. Print numbers from 1 to 10 using a while loop.

57. Print numbers from 10 to 1 using while.

58. Sum numbers from 1 to 100 using while.

59. Find factorial of a number using while.

60. Print Fibonacci series using while loop.

61. Print all numbers divisible by 5 up to 50.

62. Print numbers until a number greater than 20 is reached in a list.

63. Count digits in a number using while.

64. Reverse a number using while.

65. Sum of digits of a number using while.

66. Check if a number is a palindrome using while.

67. Input numbers until user enters 0, then sum all numbers.

68. Find the largest number in a list using while loop.

69. Print all prime numbers less than 50 using while.

70. Generate a countdown timer using while loop.

Break and Continue Statements – 10 Questions

71. Print numbers 1–10 but stop at 6 using break.

72. Print numbers 1–10 skipping 5 using continue.

73. Search for a number in a list, print "Found" and break.

74. Print all numbers in a list except negative numbers.

75. Print even numbers in a list using continue.

76. Exit a while loop when user enters a negative number.

77. Skip processing numbers divisible by 3 in a loop.

78. Stop asking input when user types "exit".

79. Skip vowels while printing characters of a string.

80. Break out of nested loops when a condition is met.

For/While with Else – 10 Questions

81. Search for a number in a list and use else to print "Not found" if missing.

82. Loop through a string and use else to print "No vowels" if none found.

83. Check if a number is prime using for-else.

84. Loop through a list to find the first even number, else print "No even numbers".

85. Input numbers until 0, else print "All positive numbers".

86. Use for-else to detect repeated elements in a list.

87. Use while-else to iterate until sum > 50, else print "Sum did not exceed 50".

88. Use for-else to find divisible numbers by 7 in a range.

89. Use while-else to print "Loop finished" if break never occurs.

90. Use for-else to check if a password contains digits, else print "No digits in password".

Mixed/Advanced – 10 Questions

91. Combine if and for: print even numbers in a list.

92. Combine while and if: input numbers until negative, print even numbers only.

93. Nested if: classify numbers into positive even, positive odd, negative even, negative odd.

94. Nested loops: print multiplication table from 1 to 5.

95. Loop inside if: print numbers divisible by 3 if a condition is True.

96. Use break inside nested loops to exit all loops.

97. Use continue to skip numbers divisible by 5 in a for loop.

98. Count how many numbers in a list are greater than 10.

99. Check for prime numbers from 1 to 50 using nested loops and if.

100.	Create a program that prints a pattern using for loop and if-else conditions.