

NEO CONVENT SENIOR SECONDARY SCHOOL, PASCHIM VIHAR
Session 2025-26
Summer Holiday Homework

CLASS XI ENGLISH

1. Do the projects given in the class.
2. Do the assignment (It will be uploaded)

Class – 11 (MATHS)

- Do all NCERT examples and questions of below mentioned chapters:
- Chap 1 (Sets), Chap 2 (Relations and Functions), Chap 13 (Statistics) and Chap 5 (Linear Inequalities).
- [Do in a separate register]

CLASS XI (BIOLOGY)

1. Make a **RESEARCH PROJECT** on the topic discussed in the class. The project should be handwritten and with proper pictures, diagrams and observations.
2. Make a portfolio of the diagrams of Text Book as discussed in the class.
3. Make a PowerPoint presentation/Record File regarding NEET EXAM PATTERN, SYLLABUS AND SELECTION CRITERIA.
4. Make PowerPoint presentations on the following topics
 - a. **DIGESTION AND ABSORPTION**
 - b. **MINERAL NUTRITION**
5. **MORPHOLOGY AND ANATOMY OF FROG**
6. Make a PowerPoint presentation comparison between Flora and Fauna of Delhi and Lakshwadeep.

PHYSICS

1. Do the assignments put on the school website.
2. Learn the first Four chapters (till equation of motion) thoroughly and practice numerical.
3. Derive three equation of motion graphically and by calculus method.
4. Make ppt on difference of architecture of buildings in Andaman and Nicobar versus Delhi.

CHEMISTRY

- 1. Prepare project file**
- 2. Learn salt analysis.**
- 3. Solve Assignment uploaded on portal**

BUSINESS STUDIES

Make Project in Business Studies on any of the topic suggested

Suggestive List of Projects:

Project One: Field Visit

1. Visit to a Handicraft unit.
2. Visit to an Industry.
3. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)
4. Visit to a Departmental store.
5. Visit to a Mall.

II. Project Two: Case Study on a Product

III. Project Three: Aids to Trade

IV. Project Four: Import /Export Procedure

ACCOUNTANCY XI

- Practice Additional Problems of 'Accounting Equation' and 'Recording of Transactions' based on Text Book – NCERT
- Complete the assigned Specific Project as per cbse norms.

ECONOMICS (CLASS-XI)

1. Practice the numerical questions of mean, median and mode and tabular presentation of data.
2. Prepare the project discussed and selected in the class as per CBSE guidelines.

HOLIDAY HOMEWORK (2025-26)

CLASS-11-C

INFORMATICS PRACTICES

Choose the correct option for each question:

1. Which of the following is a keyword in Python?
a) if

- b) then
 - c) goto
 - d) repeat
2. Which of the following is used to insert a comment in Python?
 - a) //
 - b) /* */
 - c) #
 - d)
 3. What is the output of `print(type("5"))`?
 - a) <class 'int'>
 - b) <class 'str'>
 - c) <class 'float'>
 - d) Error
 4. What is the correct syntax to input a string in Python?
 - a) `inputstr()`
 - b) `input_string()`
 - c) `input()`
 - d) `scanf()`
 5. What is the result of `7 % 3`?
 - a) 2
 - b) 1
 - c) 3
 - d) 0
 6. Which of the following operators is used for exponentiation?
 - a) ^
 - b) **
 - c) %
 - d) //
 7. What will be the output of `print("Hello" * 3)`?
 - a) HelloHelloHello
 - b) Hello3
 - c) Error
 - d) Hello Hello Hello
 8. Which function is used to find the length of a string?
 - a) `count()`
 - b) `len()`
 - c) `size()`
 - d) `length()`
 9. What is the data type of: `x = 10.5`?
 - a) int
 - b) str
 - c) float
 - d) double
 10. Which method is used to convert a string to uppercase?
 - a) `toUpperCase()`
 - b) `upper()`
 - c) `uppercase()`
 - d) `upcase()`
 11. Which of the following will cause a syntax error?
 - a) `x = 5`
 - b) `print("Hi")`
 - c) `if x == 5:`
 - d) `if x = 5:`
 12. Which of the following is not a valid identifier?
 - a) `my_var`
 - b) `_name`
 - c) `2value`
 - d) `value2`
 13. What is the output of `print(3 > 5 or 10 < 20)`?
 - a) True
 - b) False
 - c) Error
 - d) None

14. What does `int("12") + int("8")` return?
 - a) 128
 - b) 20
 - c) "20"
 - d) Error
15. What does the `//` operator do?
 - a) Division
 - b) Floor Division
 - c) Remainder
 - d) Power
16. Which function is used to display something on the screen?
 - a) `display()`
 - b) `print()`
 - c) `show()`
 - d) `echo()`
17. Which function is used to convert an integer to a string?
 - a) `str()`
 - b) `string()`
 - c) `chr()`
 - d) `int()`
18. What will `print(10 != 5)` display?
 - a) True
 - b) False
 - c) Error
 - d) None
19. Which function is used to get the type of a variable?
 - a) `typeof()`
 - b) `type()`
 - c) `gettype()`
 - d) `valtype()`
20. What will be the output of:
`x = 5`
`y = x`
`x = 10`
`print(y)`
 - a) 10
 - b) 5
 - c) 0
 - d) Error

Section B: Python Programming Questions

1. Write a Python program to input two numbers and print their sum, difference, product, and quotient.
2. Write a program to input a number and check whether it is even or odd.
3. Write a program to input a number and print its multiplication table.
4. Write a program to calculate the area of a rectangle. (Formula: $\text{area} = \text{length} \times \text{breadth}$)
5. Write a program that accepts a name from the user and prints a welcome message like: Hello, <name>! Welcome to Python.
6. Write a Python program to input marks in 3 subjects and calculate the average and percentage.
7. Write a Python program to convert temperature from Celsius to Fahrenheit. (Formula: $F = (C \times 9/5) + 32$)
8. Write a program to swap the values of two variables without using a third variable.

HOLIDAY HOMEWORK (2025-26)

CLASS-11-A

COMPUTER SCIENCE

✓ Choose the correct option:

1. What will be the output of `print(10 / 3)`?
a) 3 b) 3.0 c) 3.33 d) 3.3333333333333335
2. What will be the output of `print("5" * 3)`?
a) 555 b) 15 c) 53 d) Error
3. Which statement correctly checks if a is not equal to b?
a) `a != b` b) `a <> b` c) `a =! b` d) `a not b`
4. Which function is used to convert an integer to a string?
a) `string()` b) `str()` c) `intToStr()` d) `chr()`
5. Which of the following is a mutable data type?
a) `str` b) `tuple` c) `list` d) `int`
6. Which method returns the index of the first occurrence of a character in a string?
a) `index()` b) `find()` c) `locate()` d) `position()`

7. What is the output of:

```
x = 4
```

```
x *= 2 + 1
```

```
print(x)
```

- a) 12 b) 8 c) 6 d) Error

8. What will `range(2, 10, 2)` generate?
a) 2 to 10 b) Even numbers till 10 c) [2, 4, 6, 8] d) [2, 4, 6, 8, 10]

9. How many times will the following loop execute?

```
for i in range(1, 6):
```

```
    print(i)
```

- a) 4 b) 5 c) 6 d) Infinite

10. Which of the following will cause a syntax error?
a) `if a > b:` b) `if(a>b):` c) `if a > b` d) `if a != b:`

11. Which of the following correctly reverses a string `s`?
a) `reverse(s)` b) `s[::-1]` c) `s[-1:0]` d) `s.reverse()`

12. What is the output of:

```
13. print(bool(""))
```

- a) True b) False c) None d) Error

14. How are default values assigned to parameters in function definitions?
a) Using `==` b) Using `=` c) Using `:=` d) Using `->`

15. What will be the output of `print(2 < 3 and 5 > 6)`?
a) True b) False c) None d) Error

16. Which of the following is not a valid Python data type?
a) set b) dict c) real d) tuple
17. What is the correct way to define a list with elements 1 to 5?
a) list = (1, 2, 3, 4, 5) b) list = [1, 2, 3, 4, 5] c) list = {1, 2, 3, 4, 5} d) list = <1, 2, 3, 4, 5>
18. Which loop will execute at least once even if the condition is false (conceptually)?
a) while b) do-while c) for d) loop
19. What is the output of:
- ```
x = "abc"
print(x.upper())
```
- a) abc    b) Abc    c) ABC    d) error
20. What will be the result of `int(3.8) + float("2.2")`?  
a) 5.0    b) 6.0    c) 5.2    d) 5
21. Which keyword is used to exit a loop in Python?  
a) exit    b) break    c) stop    d) return

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