

WORKSHEET 3 PYTHON

Q1 to Q8 have only one correct answer. Choose the correct option to answer your question.

1. Which of the following	g will raise a value error in python?	1
A) int(32)	-	B) int(3.2)
C) int(-3.2)		D) int('32')
Ans: int(-3.2) (optio	on C)	
2. What will be the outpu	at of round(3.567)?	
A) 3.5		B) 3.0
C) 4		D) 3
Ans: 4 (option C)		
3. How is the function po	w(a,b,c) evaluated in python?	
A) a**b**c		B) (a**b)%c
C) (a**b)*c		D) (a**b)**c
Ans: (a**b)%c (opt	ion B)	
4. What will be the output	t of print(type(type(int))) in pytho	on 3?
A) <class 'type'=""></class>		B) <type 'type'=""></type>
C) <class 'int'=""></class>		D) <type 'int'=""></type>
Ans: (option A)		
5. What will be the output	at of ord(chr(65)) ?	
A) 'A'		B) 'a'
C) 65		D) TypeError
Ans: 65 (option-C)		
	function is defined inside a class?	
A) Module		B) Function
C) _init_ function		D) Method
Ans: Method (optio		
7. What will be the output	t of all([1, 0, 5, 7])?	
A) 0		B) False
C) True		D) error
Ans: False (option-l		RUBU
•	action abs() the same as that of the f	-
A) Always		B) Sometimes
C) Never		D) None of these
Ans: Sometimes(opt	tion B)	
and Q10 have multiple correct answers. Choose all the correct options to answer		

Q9 your question.

9. Select all correct float numbers in python?

B) 42e3 A) -68.7e100 C) 4.2038 D) 3.0

Ans: A) -68.7e100 C) 4.2038 D) 3.0

- 10. Which of the following is(are) correct statement(s) in python?
 - A) You can pass positional arguments in any order.
 - B) You can pass keyword arguments in any order.
 - C) You can call a function with positional and keyword arguments.
 - D) Positional arguments must be before keyword arguments in a function call

Ans: A) You can pass positional arguments in any order.

- B) You can pass keyword arguments in any order.
- C) You can call a function with positional and keyword arguments



Q11 to Q15 are programming questions. Answer them in Jupyter Notebook.

11. Write a python function print pyramid of stars. Level of the pyramid should be taken as an input from the

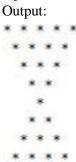
user. E.g. Input = 5 Output:





12. Write a python function print Hourglass pattern.

Input = 5



13. Write a python function to print Pascal's Triangle. The number of levels in the triangle must be taken as input by the user. E.g.

Input = 5

Output:

1

11

121

1331

14641

14. Write a python function to print Diamond Shaped Pattern shown below. Function must take integer input which represents the number of stars in the middle most line. E.g.:

Input = 5

Output:





15. Write a python function to print Diamond Shaped Character Pattern shown below. Function must take integer input within range 1 to 26, which represents the rank of the alphabet. E.g.:

Input = 5

Output:

AB ABC ABCD ABCDE ABCD ABC AB A