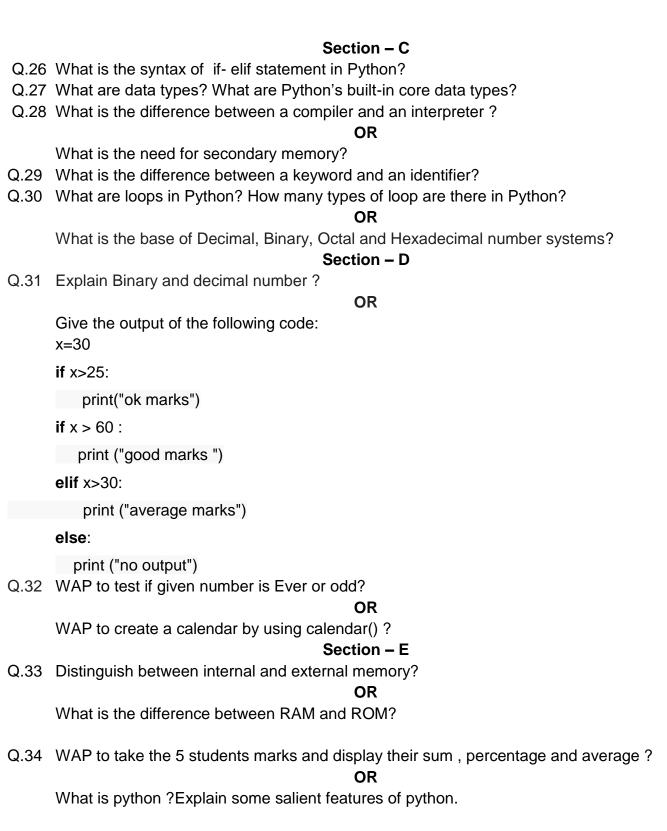
Roll. No	o.		Code	No. 11/Compute	er Sc.(083) /NLCS/15				
Half Yearly Examination 2024 – 2025									
	3:00 Hrs.				M.M. 70				
General Instructions:									
Please check this question paper contains 35 questions. The paper is divided into 4 Sections. A. B. C. D. and F.									
 The paper is divided into 4 Sections- A, B, C, D and E. Section A, consists of 18 questions (1 to 18). Each question carries 1 Mark. 									
 Section B, consists of 7 questions (19 to 25). Each question carries 2 Marks. 									
• Section C, consists of 5 questions (26 to 30). Each question carries 3 Marks.									
 Section D, consists of 2 questions (31 to 32). Each question carries 4 Marks. 									
• Section E, consists of 3 questions (33 to 35). Each question carries 5 Marks.									
 All programming questions are to be answered using Python Language only Section – A 									
Q.1									
Φ. 1	·				(d) none of the mentioned				
Q.2	` , ,	()	` '	dependent	(u) none of the mentioned				
Q.Z	Which of the follow	_			(4)				
0.0	(a) my_string_1 (b) 1st_string (c) foo (d) _								
Q.3	Which of the follow	•			-				
	(a) $abc = 1,000,000$ (b) $abc = 1000 2000 3000$								
	(c) $a,b,c = 1000, 2000, 3000$ (d) $a_b_c = 1,000,000$								
Q.4	Which one of these	e is floor divis	sion?						
	(a) /	(b) //	(c) %		(d) None of the mentioned				
Q.5	What is answer of	What is answer of this expression, 22 % 3 is?							
	(a) 7	(b) 1		(c) 0	(d) 5				
Q.6	What is the output of this expression, 3*1**3?								
	(a) 27	(b) 9		(c) 3	(d) 1				
Q.7	Following set of commands are executed in shell, what will be the output?								
	>>>str="hello"								
	>>>str[:2]								
	(a) he	(b) lo		(c) olleh	(d) hello				
Q.8	Study the following code:								
	St= "computer science" for St in range (2, 10, 2); Paint (St):								
	(a) mue	(b) muec		(c) muece	(d) omput				
Q.9	In order to store values in terms of key and value we use what core data type.								
	(a) list	(b) tuple		(c) class	(d) dictionary				
Q.10	Which is the correct operator for power(x,y)?								
	(a) x^y	(b) x**y		(c) x^^y	(d) None of the mentioned				
Q.11	Who developed th	ho developed the Python language?							
	(a)Zim Den	,	an Rossum	(c) Niene Stom	(d) Wick van Rossum				

Q.12	Study the following program :							
	i = 0							
	while i < 3:							
	print(i) i += 1							
	else: print(0)							
	What will be the output of this statement?							
	(a) 0 1	(b) 0 1 2	(c) 0 1 2 0	(d) 0 1 2 3				
Q.13	Which of the following character is used to give single-line comments in Python?							
	(a) //	(b) #	(c) !	(d) /*				
Q.14	To add a new element to a list we use which Python command?							
	(a) list1.addEnd(5)	(b) list1.addLast(5)	(c) list1.append(5)	(d) list1.add(5)				
Q.15	Which of the following is a Python tuple?							
	(a) {1, 2, 3}	(b) {}	(c) [1, 2, 3]	(d) (1, 2, 3)				
Q.16	What will be the output of the following Python statement?							
	>>>"a"+"bc"							
	(a) a	(b) bc	(c) bca	(d) abc				
Q.17	Which of the following statements is used to create an empty List in Python?							
	(a) ()	(b) []	(c) { }	(d) set()0				
Q.18	Which of these is the definition for packages in Python?							
	(a) A set of main modules							
	(b) A folder of pytho	b) A folder of python modules						
	(c) A number of files containing Python definitions and statements							
	(d) A set of programs making use of Python modules							
	Section – B							
Q.19	List the names of tw	vo components of CPU?						
Q.20	What is an I-P-O cycle?							
Q.21	What is the output of following code:							
	>>a="computer science"							
	>>type(a)							
Q.22	What is the error in the following code: z p=6							
Q.23	What are variables?							
Q.24	What is the output of following code:							
	for z in range(1,100,10):							
	print(z)							
Q.25	What is nested loop	?						



Q.35 Name the input or output device used to do the following:

(a) To output audio

(b) To enter textual data

(c) To make hard copy of a text file

- (d) To display the data or information
- (e) To enter audio-based command

OR

Convert the following:

(i) $(1110001)_2 = ()_{10}$

(ii) $(10011001100)_2 = ()_{16}$

(iii) $(101010101111)_2=()_8$

(iv) $(111111)_2 = ()_{10}$

(v) $(111111110001)_2 = ()_{16}$
