Total No. of Questions : 4]	80	SEAT No. :	
PA-4979		[Total I	No. Of Pages : 2
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_	008]-231	\ -	
S.E. (Computer Engineering) (Insem)			
Principles of Pr	0	0 0	
(2019 Pattern)	(Semester-II	(210255)	
Time: 1 Hour]		[M]	ax. Marks: 30
Instructions to the condidates:	0.4		
 Answer Q1 or Q2, and Q3 or Neat diagrams must be drawn 		rv —	~O,
3) Figures to the right indicate		3.	O T
6.		is Co	•
Q1) a) Illustrate the Impact of ma	chine architectur	re on programm	ing languages
Hardware ii) Firmy	ware in Sc	oftware	[5]
b) List the different classes of	f binding times I	Explain with sui	table example.
			[5]
c) Explain any two language	paradigms with e	example.	[5]
	OR		
O2) a) List attributes of a		on d ov.m1	.i
Q2) a) List attributes of a good p detail.	rogramming lang	guage and expi	am any two in
)*		
b) What are the different was Explain with example of w	•	mputer might b	e constructed. [5]
			0,.
c) Consider the following pro of the programming langu	_	- /	
same.	_)
# include < stdio.h >		20, 20,	
	(CA ON.	
main()	<u>A</u>	7 10	
{	O,	32 January 1997	
int x,y;	_	6.	

```
scan f ("% d % d", & x, & y);
                                          { int temp;
                                          temp = x;
                                          x = y;
                                          y = temp;
                                            print f
                                          Describe ordinal types: enumeration with 'C++' example.
                                                                                                                                                                                                                                                                                                                                  [5]
Q3) a)
                                          What are different parameters passing methods in programming languages
                     b)
                                          with example.
                                                                                                                                                                                                                                                                                                                                  [5]
                                           What are the different primitive data types? Explain with the examples of
                     c)
                                          syntax, size and ranges.
                                                                                                                                                                                                                                                                                                                                  [5]
                                          Explain following concepts with example:
Q4) a)
                                                                                                                                                                                                                                                                                                                                 [5]
                                          i)
                                                               Overloaded unary operator
                                                                                                                                                                         Abprograms

Abprog
                                                               Short circuit evaluation
                                          ii)
                                          What are subprograms? List and explain the design issues for subprograms
                     b)
                                          Write short note on:
                     c)
                                                               Mixed mode Assignment
                                                                Unconditional branching.
[6008]-231
```