POKHARA UNIVERSITY

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	P	evel: Bachelor Programme: BE Course: Object Oriente	Semester: Falled Programming in C++	Year : 2018 Full Marks: 100 Pass Marks: 45 Time : 3hrs.	
-		Candidates are requir as practicable.	ed to give their answers in t	heir own words as far	
		•	gin indicate full marks.		
		Attempt all the question			
	-	Auempi un ine questa	ons.		
1.	a)	oriented programmir computation as simul	ect oriented programming eng cope in solving the complation.	plex program. Explain	7
	b)	Private data and fun function. Explain ho example.	ection of a class cannot be wit is possible to access the	accessed from outside en with reference of an	8
2.	a)		? Can constructor be overloa	ided? If yes how?	7
-		Create a class call Address, Salary. Cr class. Also create a	led Employee with data reate a constructor to initial nother constructor so that was Define member function of	nember Code; Name, ize the member of the ve can create an object	8
3.	a)	between Is-A rule an	composition provide re-und Has-A rule.		.7
	b)	What is a hybrid inheritance? If Yes?	inheritance? Does ambig How can you remove this? I	uity occur in hybrid Explain with example.	8
4.	a)	What are the advant Explain with example	tages and disadvantages of le program.	using friend function?	7
	b)	Feet and Inches and	g? Write a program to read a convert it into Meter using	g user defined to class	.8
5.	a)	What is function te values.	hod. 1 meter=3.28084 feet, 1 mplate? Create a template	function to swap two	7
-	b)	Create a class Person Create another class Department. Also	on with data members Nar s Teacher with data member create another class Stude ter. Both class are inherited	bers Qualification and nt with data member	8

Every class has at least one constructor which uses base class constructor. Create member function Show Data() in each to display the information of the class member.

6. a) What is compile time and run time polymorphism? How can you achieve runtime polymorphism in C++? Explain deferred method.

b) What are the use of new and delete operator in a program? Explain with an suitable example.

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2×5

7. Write short notes on: (Any two)

) Overriding

b) Exception Handling

c) Standard Template Library