

**NR23: PRINCIPLES OF PROGRAMMING LANGUAGES:
23CS508 (Professional Elective- II)
Question Bank**

Unit 1

S.No	Questions	BT	CO	PO
Part–A(Short Answer Questions)				
1	Distinguish static and dynamic scoping?	L4	CO2	PO2
2	Define associative arrays.?	L3	CO2	PO2
3	Define guarded commands?	L3	CO2	PO2
4	Distinguish named type and structure type compatibility?	L5	CO2	PO1
5	List the merits of sub range types.?	L4	CO2	PO4
6	Differentiate union and enumeration.?	L3	CO2	PO5
7	Define data type.?	L3	CO2	PO1
8	List the merits of type checking?	L5	CO2	PO2
9	Define user defined data type.?	L3	CO2	PO1
10	Define widening and narrowing conversions?	L4	CO2	PO4
Part– B(Long Answer Questions)				
1	a) Define the following? <ul style="list-style-type: none"> • Stack Dynamic • Explicit Heap Dynamic • Implicit Heap Dynamic 	L4	CO2	PO3
	b) What is aliasing? What are the problems associated with it?	L5	CO2	PO1
2	a) Define an array? Explain how to initialize an array?	L5	CO2	PO1
	b) Explain the different types of arrays?	L2	CO2	PO2
3	a) What is type checking?	L3	CO2	PO1
	b) Evaluate the two approaches for supporting dynamic allocation and de-allocation for dynamic length strings?	L4	CO2	PO1
4	a) What do you mean by binding? Give examples of some of the bindings and their binding times.?	L6	CO2	PO4
	b) Differentiate between static and dynamic type checking and give Their relative advantages	L5	CO2	PO3
5	a) What are Type conversions, relational and Boolean expressions?	L6	CO2	PO1
	b) Describe how the pointers used in C and C++with examples?	L6	CO2	PO1