

**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	Define Programming Language?	L2	CO1	PO1	
2	Difference between sentence and sentential form?	L4	CO1	PO1	
3	Define Syntax and Semantics?	L3	CO1	PO2	
4	Define Parse trees.?	L6	CO1	PO2	
5	Define Denotational semantics.?	L2	CO1	PO1	
6	Define Operational semantics.?	L2	CO1	PO1	
7	Differentiate compiler and interpreter.?	L5	CO1	PO1	
8	Distinguish simplicity and orthogonality?	L5	CO1	PO1	
9	Describe language recognizers?	L2	CO1	PO1	
10	List out language categories?	L3	CO1	PO2	
Part– B(Long Answer Questions)					
1	a)	Discuss various programming domains and their associated languages?	L4	CO1	PO1
	b)	Explain the different categories of languages.?	L5	CO1	PO1
2	a)	What are the potential benefits of studying programming language concepts?	L4	CO1	PO1
	b)	Explain with examples how syntactic design Choices affect readability?	L4	CO1	PO1
3	a)	Draw and explain the flow chart for compilation process.?	L6	CO1	PO1
	b)	Explain about the preconditions and post conditions of a given statement mean in axiomatic semantics?	L5	CO1	PO2
4	a)	Describe the steps involved in the language evaluation criteria?	L5	CO1	PO1
	b)	Explain with an example how operator associatively can be incorporated in grammars? What are the uses of attribute grammar?	L6	CO1	PO1
5	a)	Discuss about language recognizers and language generators?	L3	CO1	PO2
	b)	What are three main styles of describing semantics & explain briefly?	L4	CO1	PO2