III B. Tech I Semester Supplementary Examinations, October/November - 2020 COMPILER DESIGN

(Computer Science and Engineering)

Tir	Time: 3 hours (Computer Science and Engineering) Max. 1	
Note: 1. Question Paper consists of two parts (Part-A and Part-B) 2. Answer ALL the question in Part-A 3. Answer any FOUR Questions from Part-B		
		Marks)
1. a) b) c)	Analysis pass is machine independent? Justify your answer. How semantic analyzer processes imperative statements? Differentiate kernel and non- kernel items.	[2M] [2M] [2M]
d) e) f)	Explain the rules to construct a flow graph.	[3M] [3M] [2M]
2. a)		Marks) [7M]
z. α, b	notation algorithm.	[7M]
3. a) b)	Write the limitations of recursive descent parser with an example of grammar.	[5M] [9M]
1. a) b)	generate syntax directed translator scheme.	[7M]
5. a)		[7M]
b)	technique. For the given expression generate different kinds of three-address codes and explain the storage requirements of each: A=b/c+d*s-60%r-h.	[7M]
6. a) b)		[7M] [7M]
7. a)	optimizations.	[7M]
