**SPCC**

What is the difference between dynamic Linking & Loading??

What is DLL? Explain the 4 types of cards produced by Assembler?

What is Compiler? Give the difference between Compiler & Interpreter?

Explain phases of Compiler with Example.?

What are Tokens & Lexeme? Give the examples?

Explain the block diagram of Lexical Analyzer?

Write a note on Input Buffering and explain the role of lexical analyser?

Explain LEX variables and LEX functions?

Explain role of parser in compiler construction?

What are the tasks performed by the parser?

What is Recursion? How to remove Left Recursion?

Explain the different phases of compiler? Illustrate the output after each phase for the following statement: a=b+c-d\*5.

Differentiate Top-Down and Bottom-up Parsing? Explain Recursive descent parser with an example?

Explain different types of Intermediate code representation with examples?

Explain different error recovery techniques?

What are the different types of Intermediate code? Explain implementation of Three Address code?

**IOT**

Zigbee

IEEE802.xx.x

IEEE802.15.4

Bluetooth- types, comparison

Core IOT functional stack 10M

IOT protocols 10M

SCADA

Short note on home automation (4 points)