Muzaffarpur Institute of Technology (MIT), Muzaffarpur

(Under the Department of Science & Technology Govt. of Bihar, Patna)

Department of Information Technology

System Programming, Weekly Test – I

Duration: 30 Minutes   **Semester: 5**   **Max. Marks: 10**

1. The output of lexical analyzer is
   a) A set of regular expression   b) Syntax tress
   c) Set of Token   d) String of Characters

2. Which of the following is used for grouping of characters into tokens?
   a) Parser   b) Code optimization
   c) Code generator   d) Lexical analyser

3. Input to code generator
   a) Source code   b) Intermediate code
   c) Target code   d) All of the mentioned

4. _____ or scanning is the process where the stream of characters making up the source program is read from left to right and grouped into tokens.
   a) Lexical Analysis   b) Diversion
   c) Modelling   d) None of the mentioned

5. Terminal table
   a) Contains all constants in the program
   b) Is a permanent table of decision rules in the form of patterns for matching with the uniform symbol table to discover syntactic structure?
   c) Consist of a full or partial list of the token is as they appear in the program created by lexical analysis and used for syntax analysis and interpretation
   d) Is a permanent table which lists all keywords and special symbols of the language in symbolic form.

6. Which of the following is a phase of a compilation process?
   a) Lexical Analysis   b) Code Generation
   c) Lexical Analysis & Code Generation   d) None of the mentioned

7. A system program that setup an executable program in main memory ready for execution is
   a) Assembler   b) Linker
   c) Loader   d) Load and go

8. Uniform symbol table
   a) Has all constants in the program
   b) Permanent table of rules in the form of patterns for matching with the uniform symbol table to discover syntactic structure
   c) Consists of full or partial list of the tokens as they appear in the program created by Lexical analysis and used for syntax analysis and interpretation
   d) A permanent table which has all key words and special symbols of the language in symbolic form

9. Assembler is a program that
   a) Puts programs into memory and executes them
   b) Translates the assembly language into machine language
   c) Writes in high level language and produces an object program
   d) None of the mentioned

10. Compiler can diagnose
    a) Grammatical errors only   b) Logical errors only
    c) Grammatical and logical errors   d) None of the mentioned

Paper Code: F