

Roll No. ....

**MCA-11/MSCIT-12**  
**Fourth Semester Examination-2015**  
**MCA-15/M.SC.IT-15**

**System Software**

**Time : 3 Hours**

**Maximum Marks : 60**

**Note : This paper is of sixty (60) marks divided into three (03) sections A, B, and C. Attempt the questions contained in these sections according to the detailed instructions given therein.**

**Section - A**

**(Long Answer Type Questions)**

**Note : Section 'A' contains four (04) long-answer-type questions of fifteen (15) marks each. Learners are required to answer any two (02) questions only. (2×15=30)**

1. What is System Software? Classify System Software?
2. Explain the following:
  - (a) Data Structure
  - (b) Assembly language
  - (c) Macros
  - (d) Shared libraries



2. Process is
  - (A) program in High level language kept on disk
  - (B) contents of main memory
  - (C) a program in execution
  - (D) a job in secondary memory
3. Translator for low level programming language were termed as
  - (A) Assembler
  - (B) Compiler
  - (C) Linker
  - (D) Loader
4. Load address for the first word of the program is called
  - (A) Linker address origin
  - (B) Load address origin
  - (C) Phase library
  - (D) Absolute library
5. Which of the following is not a fundamental process state
  - (A) Ready
  - (B) Terminated
  - (C) Executing
  - (D) Blocked
6. The translator which perform macro expansion is called a
  - (A) Macro processor
  - (B) Macro pre-processor
  - (C) Micro pre-processor
  - (D) Assembler
7. The translator which perform macro expansion is called a
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  - (D) Assembler
8. Shell is the exclusive feature of
  - (A) UNIX
  - (B) DOS
  - (C) System Software
  - (D) Application Software

9. A program in execution is called
- (A) Process
  - (B) Instruction
  - (C) Procedure
  - (D) Function
10. An assembler is
- (A) Programming language dependent.
  - (B) Syntax dependent.
  - (C) Machine dependent.
  - (D) Data dependent.