

# Board of Departmental Examination, Himachal Pradesh

Session: October, 2016

Paper#1

Information Technology

(Treasury Officers)

Part-A (Theory)

Time Allowed: 2 Hour

Max Marks: 60

Note:- No reference books are allowed. (Information Technology Act allowed)

- Attempt any six questions.

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- |     |      |  |    |
|-----|------|--|----|
| I   | a.   | Explain different types of computer?   | 5  |
|     | b.   | Describe the function of operating system?   | 5  |
| II  | a.   | What is the binary number system and how does it compare to the decimal number system? | 5  |
|     | b.   | Explain Difference between data and information  | 5  |
| III | a.   | Explain the need for computer networks and advantages.                                 | 5  |
|     | b.   | Draw and explain the block diagram of digital computer.                                | 5  |
| IV  | a.   | What is DBMS? Explain its features.  | 5  |
|     | b.   | What is main memory?   | 5  |
| V   |      | Differentiate between any four of following:   | 10 |
|     | a.   | LAN and WAN  |    |
|     | b.   | binary and octal number system   |    |
|     | c.   | Upload and Download  |    |
|     | d.   | Section 35 of Information Technology Act   |    |
|     | e.   | first and second generation computer   |    |
| VI  |      | Write short note on any four of following:   | 10 |
|     | a)   | Application Software   |    |
|     | b)   | WWW  |    |
|     | c)   | Star network   |    |
|     | d)   | Computer virus   |    |
|     | e)   | File transfer protocol   |    |
| VII | a.   | Fill in the blanks( any five):   | 5  |
|     | i)   | Program which acts as a interface between a user and the hardware is called -----      |    |
|     | ii)  | A string of 8 bit is -----   |    |
|     | iii) | FDD stands for -----   |    |
|     | iv)  | -----memory is faster than main memory   |    |
|     | v)   | Base of Octal number system is -----   |    |
|     | vi)  | Light pen is -----device   |    |
|     | b.   | Expand any five of the following :   | 5  |
|     | i)   | DOS  |    |
|     | ii)  | CRT  |    |
|     | iii) | VLSI   |    |
|     | iv)  | FAT  |    |
|     | v)   | OSI  |    |
|     | vi)  | DVD  |    |