

Board of Departmental Examination, Himachal Pradesh

Session: April, 2015

Paper #1

Information Technology

(for Treasury Officers)

Part-A (Theory)

Time allowed : 2 Hours

Maximum Marks : 60

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

-Attempt any six questions.

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| I   | a) Explain the different generation of computer system.  | 5  |
|     | b) Explain the concept of client server architecture.  | 5  |
| II  | a) Differentiates between hardware and software.   | 5  |
|     | b) How is the Switch User option different from the Log Off option?  | 5  |
| III | Define computer network. Discuss various type of network topologies in computer network. Also discuss various advantages and disadvantages of these topologies.  | 10 |
| IV  | Write short note on following.<br>i) Credit based electronic payment<br>ii) Cloud Computing<br>iii) G2G Services<br>iv) function of DBA  | 10 |
| V   | a) Differentiate between database, DBMS and Database system.   | 5  |
|     | b) Explain the types of memory in detail.  | 5  |
| VI  | Define various ways provided by IT Act 2000 to deal with cyber crime.  | 10 |
| VII | a) Expand any five of following.<br>i) JPEG      ii) PDF      iii) ISP<br>iv) URL      v) GSM      vi) LAN   | 5  |
|     | b) True/False.<br>i) Use FUNCTION KEY to access the HELP file.<br>ii) The word bit is the short form of Binary Digit.<br>iii) Fourth generation computer use integrated circuits.<br>iv) ROM is a volatile memory.<br>v) When you delete an object, windows send it to the Recycle bin | 5  |

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