

Board of Departmental Examination, Himachal Pradesh

Session: ~~Winter~~ 2019

Paper # 1

Information Technology

(For Treasury Officers)

Part-A (Written)

Time Allowed: 2 Hours

Max Marks: 60

**Note:** -No reference material is allowed.  
-Attempt any six questions.

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- I. a. How is computer hardware different from software? List differences. 5  
b. Is System software same as Application Software? Is Windows hardware or software? Explain. 5
- II. a. Draw a block diagram of the Computer and label its various components. 5  
b. How are present day computers different from the earlier generations of computers? 5
- III. a. Which IT initiatives have been implemented in the HP Treasuries Department? Explain along with technology used (front-end/back-end). 5  
b. Who can misuse the Treasury data? How can you secure it (data)? 5
- IV. A. Expand any 5 Abbreviations: 5  
a. ASCII d. URL  
b. BIOS e. EPROM  
c. VLAN f. MIPS
- B. Fill in any 5 of the following blanks: 5  
i. Programming language is used to give \_\_\_\_\_ to the Computer.  
ii. The Information Technology Act 2000 has been amended in the year \_\_\_\_\_.  
iii. \_\_\_\_\_ software helps in data management.  
iv. \_\_\_\_\_ is the science that attempts to create machines that will emulate the human thought process.  
v. A bit can have \_\_\_\_\_ values.  
vi. In phishing attack, the user's \_\_\_\_\_ is taken by hackers.
- V. Write short notes on any four of the following: 10  
a. Hyper Text Mark-up Language c. Cyber Treasury  
b. Data Encryption d. Secondary Storage  
e. IPv6 e. Arithmetic & Logic Unit
- VI. What is RDBMS? Describe data hierarchy with reference to tables, columns, rows, primary and secondary keys with examples. 10
- VII. What is the objective of Integrated Finance Management System? Is HimKosh (HP Government's IFMS) integrated with other software? Name these. 10
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