Board of Departmental Examination, Himachal Pradesh
Session – September 2020

Paper # 1   **Information Technology**   (For TOs and DTOs)
                              Part-A (Theory)

Time Allowed: 2 Hours   Max. Marks: 60

Note: Attempt any six questions.
       No reference books are allowed except the Information Technology Act, 2000

I.   Draw the block diagram of a computer. Label and explain the functioning of its various components. Which generation of computers are we currently using?   10

II.   Expand any 10 of the following:

MICR	DOS	VLAN	DSC	SIM	USB
DNS	PDF	GSM	ISP	URL	HDD

            10

III.   Write in brief about the ICT intiatives, such as; eBudget, eVitran, eSalary, eBills, eChallan and ePension of the State Finance Department.   10

IV.   Explain five different ways of making online cashless digital payments. What are the safequards to protect the user from online financial frauds as per the IT Act, 2000 or the Reserve Bank of India guidelines.   10

V.   Differentiate briefly between any 4 of the following:
         a. RAM & ROM
         b. Internet & Intranet
         c. Database & DBMS
         d. MODEM & Router
         e. Star & Bus Topology   10

VI.   Write a short note on any 4 of the following:
         a. Cyber Treasury
         b. G2E Services
         c. Role of a DBA
         d. Digital Locker
         e. eSign   10

VII.   What is the need & stages for Security Audit of IT Applications. Explain in context of the provisions as contained in the IT Act, 2000.   10