

Board of Departmental Examination, Himachal Pradesh
Session: October 2016

Paper # 14

COMPUTER
Part-A (Written)

(HAS)

Time Allowed: 1 Hour 30 Minutes

Max Marks: 50

Note: -No reference books are allowed (IT Policy of State/State eGovernance Roadmap are allowed).
-Attempt any five questions.

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- I. A. What is an MIS? What is the role of database in designing an MIS? 5
B. What is OSI reference model? What role does it play in a computer network? 5
- II. Supposing your city is facing a problem of public parking places for vehicles near offices/shopping complexes. What kind of ICT based solutions do you propose to streamline the parking of vehicles in the Public Parking places? Also, list the infrastructure requirements for implementation of these solutions. 10
- III. What is the eGovernance policy of the State? How has it been successful in improving the citizen services? Explain. 10
- IV. Differentiate between any three of the following: 10
i. Primary Storage and Secondary Storage of computer
ii. MS-Word and MS-Excel
iii. Application software and System software
iv. G2C and G2B services
v. Database and Table
- V. Write short notes on any 4 of the following: 10
a. Internet of Things
b. Backbone Network
c. mGovernance
d. Land Records Computerisation
e. Types of Computers
f. Big Data
- VI. A. Expand any 5 Abbreviations: 5
a. ALU
b. DNS
c. MIPS
d. DHTML
e. EEPROM
f. SFTP
- B. Fill in any five of the following: 5
i. For retrieval of scanned pages / files from a database, a _____ software is required.
ii. If a computer has more than one processor, it is known as _____.
iii. It is mandatory to get the web based software _____ audited before hosting them for citizen access.
iv. Second generation of computers consists of _____.
v. The maximum length allowed for a UTP cable in LAN is _____ meters.
vi. If a computer provides database services to the other computers, it will be known as _____ server.
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