

H.P. Board of Departmental Examination
Department Examination of Engineering Officers of HPSEB Ltd.
of Himachal Pradesh Session April, 2017

PAPER -1(WORKS, STORE & COMMERCIAL ACCOUNTS/MANUALS)

Time Allowed : 3 (Three) Hours

Maximum Marks: 300

Note:-

- i) Attempt any five questions. Three from Part-I and Two each from Part-II or Part-III as applicable.
- ii) Part-I is Compulsory for all Engineering Officers.
- iii) Part-II is meant for Electrical Engineers.
- iv) Part-III is meant for Civil/Mechanical Engineers.
- v) Bare Acts/Codes/Rules/Manuals/Tariff Orders only are allowed.

PART-I (WORKS ACCOUNTS & STORES MANUAL)

- Q I) a) What is supply order? What are the different Commercial Terms and Conditions to be incorporated in the supply order? [20]
- b) Explain in detail the procedure of maintaining accounts in the office of Executive Engineer in respect of transactions relating to stock? [20]
- c) Under what conditions work can be commenced in absence of detailed sanctioned estimate. [20]
- Q. II) a) What are the guidelines for destruction of official records? [20]
- b) Explain the procedure of acquisition and maintenance of stores. [20]
- c) Describe the types of initial records of works accounts. Explain in detail about material site and measurement books and its updation. [20]

Q. III) a) What precautions are to be observed by officials entrusted with the duty of signing cheques on behalf of Board? [20]

b) What is the procedure of ear marking, sanctioning payment etc. of advances to the employees for purchase of plots/construction of house? [20]

c) Explain in detail how the purchases through Director General of supplies are made? [20]

Q. IV) a) What is the procedure of maintaining & up keep of quantity ledger and Stock Value ledger. [20]

b) What is Administrative Approval and Technical Sanction? Explain in detail the procedure to obtain Administrative Approval and Technical Sanction? [20]

c) Explain the working of Compilation & Banking and Cash Sections in the Board. [20]

Q. V) a) How the workshop accounts are maintained? What are the components of annual proforma account of each workshop? [20]

b) What are the various duties and responsibilities entrusted to Chief Engineers in HPSEBL? [20]

c) Explain the following: - [20]

i) Annual Budget Estimate

ii) Audit Inspection and Audit Objections

iii) Stock Card

iv) Issue of Stock articles

PART-II FOR ENGINEERING OFFICERS (ELECTRICAL)

Q. I) a) Define the different consumers categories in the Discom and how will the priorities for the application for grant of electric supply? [20]

b) What are the duties, functions and operations of Flying Squad Unit in HPSEBL? Describe in Detail. [20]

c) Explain how reconnection is done where the disconnection is requested by a person other than the original consumer [20]

- Q. II)a) What are the various remedial measures taken for prevention of theft?
How the supply to the consumers, who caught stealing energy is reconnected? [20]
- b) What are the applicable provisions in case where consumers does not avail the full sanctioned load initially at once? [20]
- c) What is the procedure for remittance of public money to the Bank? [20]
- Q.III)a) What is the procedure of removal of electric lines/poles necessitated by the construction of building in its vicinity? [20]
- b) What are the steps to be taken in the Sub-Division for checking the consumer accounts by AE/AEE? [20]
- c) How demand notice is dealt where joint estimates is framed for a number of consumers? [20]
- Q.IV) a) How the service charges are apportioned when a new service is tapped off from an existing service? [20]
- b) How the accounts are overhauled for unauthorized extension in load by a consumers? [20]
- c) In a Discom, who are authorized to sign the receipts? [20]

PART-III FOR ENGINEERING OFFICERS (CIVIL/MECHANICAL)

Q.I) Write note on the following :-

- a) Air locking in Head Race Tunnels and remedial measures thereof. [20]
- b) Design loads in Head Race tunnels. [10]
- c) Types and classification of Gates [30]

Q.II) Explain the following:-

- a) Run of the- river schemes [12]
- b) Storages schemes [12]
- c) Gross Head, Operating Head and Net Head [12]
- d) Assessment of hydroelectric power potential [12]
- e) Merits and demerits of buried and exposed penstocks [12]

Q.III) Write notes on:-

- a) Principal components of Hydroelectric Schemes [40]
- b) Preliminary dimensioning of power house [20]

QIV) Write detailed note on the following [4x15]

- a) Advantages of small hydroelectric schemes vis-à-vis large hydroelectric schemes
- b) Preliminary Feasibility Report (PFR)
- c) Detailed Project Report (DPR)
- d) Pre-construction investigations