

**H.P. Board of Departmental Examination**  
**Department Examination of Engineering Officers of HPSEB Ltd.**  
**of Himachal Pradesh Session ~~November~~, 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) Explain different methods of disposal of Surplus, Unserviceable & Obsolete Stores? [20]**
- b) What are the duties and responsibilities of an Executive Engineer in HPSEB Ltd.? Explain. [20]**
- c) What are the General Conditions for issue of material to Contractor in HPSEB Ltd.? Explain. [20]**
- Q II) a) What are the reasons for blacklisting any Firm and what is the procedure for doing that? [20]**
- b) Explain the Testing & Inspection procedure and despatch of material after issue of Purchase Order. [20]**
- c) What are the precautions taken against losses of Store? [20]**

- Q III) a) What are the various functions of Chief Engineer (Material Management) in HPSEB Ltd.? Explain in detail. [20]
- b) What is the procedure of closing of Works Accounts on the completion of work and how the errors, if any, can be rectified? [20]
- c) How the Tools and Plant (T&P) Accounts are maintained in HPSEB Ltd. and what are the various formats used for the same? [20]
- Q IV) a) Explain who are authorized to grant Advances in HPSEB Ltd.? [20]
- b) What is the role of Budget and Central Accounts section in F&A wing of HPSEB Ltd.? [20]
- c) How the verification of material is done which is issued directly to the Major Works being carried out departmentally? [20]
- Q V) a) What rules are required to be followed for preparation and dealing with Muster Roll? [20]
- b) How the appropriations in the Budget Estimates are done? Who is responsible for monitoring the progress of expenditure? [20]
- c) What are the General instructions for checking the bills and personal claims of the Pay and Allowances in HPSEB Ltd.? [20]

#### **PART-II FOR ENGINEERING OFFICERS (ELECTRICAL)**

- Q I) a) How the Sundry Charges and Allowances register is maintained? [20]
- b) What is the procedure for releasing the connection to other consumer from Sub- Station not owned by HPSEB Ltd.? [20]
- c) How the cash payments from consumers are received and disposed? Explain in detail. [20]
- Q II) a) How the complaints regarding Faulty Meters are dealt with? [20]
- b) Describe in detail the procedure/steps involved in releasing connection to a consumer having load more than 2 MW. [20]
- c) Explain reporting/intimating Electrical Accidents in HPSEB Ltd.? [20]

- Q III) a) What is the procedure of taking Advance Consumption Deposit from consumers and how these accounts are maintained. [20]
- b) Explain the conditions to be incorporated while conveying Load sanction. [20]
- c) Can the Consumer Cash Receipt Book be kept open? Explain. [20]
- Q IV) a) Explain the benefits and economics of Capacitors. Describe the guiding principles of installation of Capacitors? [20]
- b) Describe in detail the procedure of recovering Arrears from defaulting consumer. [20]
- c) What are the reasons for Disconnection of supply to a Consumer on Temporary and Permanent basis? [20]

### **PART-III FOR ENGINEERING OFFICERS (CIVIL/MECHANICAL)**

- Q I) Write note on the following:-
- a) Classifications of Tunnels. [20]
- b) Factors affecting economical diameter of tunnel. [20]
- c) Durability of Concrete, its requirement and factors influencing the durability. [20]
- Q II) a) What steps are required for expeditious harnessing of hydroelectric potential in Himachal Pradesh? [40]
- b) How co-ordination between HPSEB Ltd., HPPCL & HPPTCL will expedite harnessing of hydro power potential and providing cheap power to consumers. [20]
- Q III) In Rock mechanics write note on the following: - [4x15]
- a) Porosity.
- b) Hardness.
- c) Durability.
- d) Deformability

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