

**H.P. BOARD OF DEPARTMENTAL EXAMINATION GAZETTED OFFICERS OF
PUBLIC WORKS DEPARTMENT OF HIMACHAL PRADESH
FEBURARY, 2006**

PAPER-3 (PWD)

Time :3 Hours.

Max. Marks:100

Note: 1. Attempt all questions

2. Books, I.S. Codes, Specification books not Allowed

- Q.No.1 a) What is meant by the Administrative Approval, Expenditure sanction and Technical Sanction for a proposed work? (5)
- b) What are the latest guidelines of the State Government on permitting execution of Extra/ Substitute items and also on the deviations in a contract pertaining to a building Work being executed as a deposit work? (5)
- c) In what circumstances the compensation under clause 3 of the agreement (Form - 7 or 8) could be levied on a contractor and what procedure is required to be followed by the departmental officers to levy such compensation? (5)
- d) What area road gradients recommended by IRC for different terrains? (5)
- Q.No.2 Write short notes on any four of the following items relating to the Documentation of Accounts in PWD:
- a) Contractors ledger
- b) Materials Account
- c) Register of works
- d) Hire charges of Plant and Machinery
- e) Bills Register (20)
- Q.No.3 a) Describe major factors which govern the alignment of a proposed Road in a hilly Terrain. (5)
- b) Describe important field test which are required to be performed for quality assurance during construction of a water Bound Macadam Road to be overlaid with premix carpet and seal coat. (10)
- c) Describe the items, which normally constitute "Hydraulic Data" required to be collected for design of a Major Bridge. (5)
- Q.No.4 a) Describe the process of conducting " Plate Bearing Test" at a proposed site of Multi Storeyed building. (5)
- b) What are the various methods to improve the bearing capacity of a soil? (5)
- c) What are the main causes of dampness in a building and how can it be prevented? (5)
- Q.No.5 a) Name all the National Highways of H.P. and mention important stations Falling on These NHs. (5)
- b) Describe the provisions of clause 10CC (governing Price Variation) (5)
- c) What is HP Road Infrastructure Protection act,2002? And what are its main provisions? (5)
- d) What is PMGSY. What are its guidelines and implementation system? (5)
- e) Describe in brief the provisions of land Acquisition Act. (5)
