

**Departmental Examination for Tehsildars/ Naib Tehsildars of
Himachal Pradesh October, 2010.**

Paper -2- ARITHMAETIC AND PATWARIS MANSURATION

Time Allowed: 3 Hours

Maximum marks : 100

- Note:-**
1. The Candidates may answer the questions either in Hindi or English.
 2. Attempt five questions.
 3. attempt at least two questions from each part.

PART -1- ARITHMETIC

Q.No.1. A ladder, 13 m long, rests against a vertical wall. If the foot of the ladder is 5 m from the foot of the wall, find the distance of the end of the ladder from ground.

(20)

Q.No.2. (a) Calculate the amount and the compound interest on Rs. 8,000 for 3 years at 5% per annum.

(10)

(b) A certain sum amounts to Rs. 9,440 in 3 years and to Rs. 10,400 in 5 years. Find the sum and the rate per cent.

(10)

Q.No.3. (a) In an examination, 30 percent candidates failed in English, 35 percent failed in mathematics and 27 percent failed in both the subjects. Find:

- (i) percentage of total failed.
- (ii) percentage of total passed.
- (iii) the total number of candidates; if 248 passed in both.

(10)

(b) 5% of the population of a certain town were killed in a bombardment and 7% of the remaining died in panic. If the population of the town is now 44175; find the population of the town in the beginning.

(10)

PART-II-

Q.No.4. What are the grounds for revision of Records of Rights in a revenue estate? What are the preparatory steps taken before the actual measurement takes place?

(20)

Q.No.5. (a) How the measurement is carried out when a river comes in the way during measurement of an estate?

(10)

(b) What are the main differences between the measurement procedure in hilly and plain areas?

(10)

Q.No.6. Write short notes on the following:-

- (i) Estate
- (ii) Landowner
- (iii) Naksha Bartan
- (iv) Baseline
- (v) Abadi deh
- (vi) Wazib-ul-arz
- (vii) Shajra Nasab
- (viii) Naksha Tafawat

(8X2-1/2)

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