

Departmental Examination for Tehsildars and Naib Tehsildars

April -2016

Paper No-2

Arithmetic and Patwari Mensuration

Max. Marks-100

Time: 3 hours.

Part-1 Arithmetic

1. Attempt any five questions. All questions carry equal marks. At least two questions from each part.
2. The candidate may answer the questions either in English or Hindi

Q.No.I (a) Vijay obtains a loan of Rs 64000 against his fixed deposits. If the rate of interest be 2.5 paise per rupee per annum, calculate the compound interest payable after three years. (10)

Q.No.I (b) A dishonest dealer professes to sell his goods at cost price, but he uses a weight of 960 grams for 1 Kg. Find his gain percent. (10)

Q.No.II (a) The area of square field is $10\frac{1}{400}$ square meters. Find the length of one side of the field. (10)

Q.No.II (b) A rectangular water reservoir contains 42000 litres of water. Find the depth of water in reservoir if its base measures 6 meters by 3.5 meters. (10)

Q.No.III (a) The marked price of T.V. is 32,500. After allowing 20% Diwali discount to the customer, a shopkeeper still makes a profit of 30%. Find the cost price of T.V. (10)

Q.No.III (b) A and B can polish the floors of the building in 25 days. A alone can do $\frac{1}{3}$ of this job in 15 days. In how many days can B alone polish the floors of the building? (10)

Q.No.IV (a) A, B and C start a business each investing Rs.20, 000. After 5 months A withdrew Rs 5000, B withdrew Rs 4000 and C invests Rs 6000 more. At the end of year, a total profit of Rs 69,900 was recorded. Find the share of each. (10)

Q.No.IV (b) A man travelled from the village to the post office at the rate of 25 Kmph and walked back at the rate of 4 Kmph. If the whole journey took 5 hours 48 minutes, find the distance of the post office from the village. (10)

Part -II (Mensuration)

Q.No.V Describe the following terms as per description made in H.P Land Records Manual.

(i) Release

(ii) Settlement

(iii) Fard Badar

(iv) Escheats

4x5=(20)

Q.No.VI What do you understand by Record of Rights? What documents are included in Record of Rights? Describe the procedure for making Records. 5, 5, 10= (20)

Q.No.VII Distinguish the following.

(i) Jamabandi and Misal Hakiyat

(ii) Wajib –ul –Arz and Riway- i-am

(iii) Land owner and Owner of land

(iv) Revenue officer and Revenue court

(v) Collector and Assistant collector

5x4= (20)

Q.No.VIII What do understand by settlement operation? What is the periodicity of carrying settlement operation? Comment how the new technology has impacted the process and outcomes of the settlement operation in an area. 5,5,10=(20)
