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Subarnpur DC Junior Clerk/ Copyist

**Previous Year Paper
(Arithmetic)
15 Dec, 2024**



**WRITTEN EXAMINATION FOR RECRUITMENT OF JUNIOR CLERK-CUM-COPYIST OF
SONEPUR JUDGESHIP – 2024**

SUBJECT: ARITHMETIC

TIME: 1 HOUR

TOTAL MARK: 100

(Answer all questions in the English language. Each question carries equal marks.)

Q.1 –

- a) Convert 7.375 into a fraction and simplify.
- b) Divide 0.0044 by 0.11.
- c) Multiply 7.8×0.56 .
- d) Subtract 7.2768 from 12.

Q.2 –

- a) Two numbers are 16 and 24. Their L.C.M. is 96. Find their H.C.F.
- b) Three numbers are in the ratio 3:4:5 and their LCM is 240. Find the numbers.
- c) Find the smallest number divisible by 8, 12, and 18.
- d) A number when divided by 36 leaves no remainder. What is the largest number that divides it without a remainder?

Q.3- A sum of ₹ 6000.00 amounts to ₹ 7200.00 in 4 years. What will it's amount to if the rate of interest is increased by 3%?

Q.4 - Four candidates in a Municipal election received 620, 1142, 5430, and 2450 votes respectively. What is the percentage of votes of winning candidate?

Q.5 – The cost price of two dozen bananas is ₹ 80/-. After selling 18 bananas at ₹ 20/- per dozen, the shopkeeper reduced the rate as ₹ 16/- per dozen. Find the loss percentage?

Q.6 – A invests ₹ 10000 in a business for 12 months. B invests ₹ 8000 for 9 months. C invests ₹ 6000 for 6 months. If the total profit at the end of the year is ₹ 24000, find each partner's share of the profit.

Q.7 - Two pipes can fill a tank in 20 and 30 minutes, respectively, but a third pipe empties it in 15 minutes. How long will it take to fill the tank if all three are opened together?

Q.8 – A train 150 meters long is moving at a speed of 54 km/h. How much time will it take to cross a bridge 300 meters long?

Q.9 - Two liquids are mixed in the ratio 3:5. The price of the first is ₹ 50 per litre and the second is ₹ 60 per litre. Find the cost price of the mixture.

Q.10 – The side length of a square is increased by 50%. By what percentage does its area increase?
