

**St. Mira's College for Girls,
(Autonomous-Affiliated to Savitribai Phule Pune University)**

Class: TYBCOM

Subject:

Cost and Works Accountancy II

Subject Code: C 61714

SEM VI

(2019-20)

Unit 2 : Problem Solving Skills- Calculation of Machine Hour Rate

TYBCOM, COSTING II, SEM VI, LXI TEST-II, 2019-20

Date: Total Marks: 10

Name: *Gagan S. Rajwan*

14/10/19

Roll No: *4621*

From the following given particulars, Calculate the cost of running a taxi per kilometer.

Cost of taxi	₹ 2,00,000	Salary of Manager	₹ 10,000 p.m.
Salary of Accountant	₹ 5,000 p.m.	Insurance	5% of capital cost
Garage Rent	₹ 6,000 p.m.	Oil and Lubricants	₹ 1.50 per 10 km
Salary of support staff	₹ 2,000 p.m.	Repairs	₹ 10,000 p.a.
Petrol consumption	1 litre for 10 km at ₹ 18 per litre	Annual Tax for the taxi	₹ 6,000

The life of a taxi is 2,00,000 km. The taxi runs on an average 3,000 km per month.

Operating Cost Sheet

Particulars	p.a.	p.month
(A) Standing Charge		
1. Dep = $\frac{2,00,000}{2,00,000 \text{ km}}$		
2. Salary of Accountant		5,000
2. Garage rent		6,000
3. Salary of support staff		2,000
4. Salary of Manager		10,000
5. Insurance (5% of 2,00,000)	10,000/12	833
6. Tax for Taxi	6000/12	500
Total Standing Charge p km	₹ 4,333	8.11
	3,000	

(B) Maintenance Charge
1. Repairs

$\frac{10,000}{12}$ ~~833~~
 $\frac{833}{3000}$ **0.278**

(C) Running Charge

1. Dep = $\frac{2,00,000}{2,00,000 \text{ km}}$

2. Petrol = $\frac{18 \text{ L}}{10 \text{ km}}$

3. Oil Lubricant $\frac{₹ 1.50}{100 \text{ km}}$

Cost per km per month

1.00

1.80

0.50

11.688

$\frac{1 \text{ km} - 100}{50} = 1$
 $\frac{₹ 1.50}{100} = 0.015$
 $\frac{18 \text{ L}}{10 \text{ km}} = 1.8 \text{ L/km}$
 $\frac{18 \text{ L}}{10 \text{ km}} \times \frac{₹ 18}{\text{L}} = ₹ 32.4$

**Name and Signature of the Faculty:
Dr. Dimple Buche**

Dimple Buche



[Signature]
**Principal Incharge
St. Mira's College for Girls**