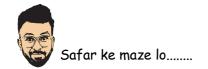
3. Employee Costing

1. Labour 3. Rate 4. Overtime
Cost Turnover per hour cost

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1

1. Labour Cost

PYQ MAY 18 (5 MARKS) Q. 1B

A worker takes 15 hours to complete a piece of work for which time allowed is 20 hours.

His wage rate is ₹ 5 per hour. Following additional information are also available:

Material cost of work ₹ 50

Factory overheads 100% of wages

Calculate the factory cost of work under the following methods of wage payments:

- (i) Rowan Plan
- (ii) Halsey Plan

2

RTP NOV 18

A job can be executed either through workman A or B. A takes 32 hours to complete the job while B finishes it in 30 hours. The standard time to finish the job is 40 hours.

The hourly wage rate is same for both the workers. In addition workman A is entitled to receive bonus according to Halsey plan (50%) sharing while B is paid bonus as per Rowan plan. The works overheads are absorbed on the job at ₹ 7.50 per labour hour worked. The factory cost of the job comes to ₹ 2,600 irrespective of the workman engaged.

INTERPRET the hourly wage rate and cost of raw materials input. Also show cost against each element of cost included in factory cost.

3

RTP MAY 19

A Company is undecided as to what kind of wage scheme should be introduced. The following particulars have been compiled in respect of three workers. Which are under consideration of the management.

	1	Ш	Ш
Actual hours worked	380	100	540
Hourly rate of wages (in ₹)	40	50	60
Productions in units:			
- Product A	210	_	600
- Product B	360	_	1350
- Product C	460	250	-
Standard time allowed per unit of each product is:			
	А	В	С
Minutes	15	20	30

For the purpose of piece rate, each minute is valued at ₹ 1/-

You are required to CALCULATE the wages of each worker under:

- (i) Guaranteed hourly rate basis
- (ii) Piece work earning basis, but guaranteed at 75% of basic pay (Guaranteed hourly rate if his earnings are less than 50% of basic pay.)
- (iii) Premium bonus basis where the worker received bonus based on Rowan scheme.





Safar ke maze lo......

CA Rahul Panchal

PYQ JAN 21 (10 MARKS) Q. 2A

Z Ltd is working by employing 50 skilled workers. It is considering the introduction of an incentive scheme - either Halsey Scheme (with 50% Bonus) or Rowan Scheme - of wage payment for increasing the labour productivity to adjust with the increasing demand for its products by 40%. The company feels that if the proposed incentive scheme could bring about an average 20% increase over the present earnings of the workers, it could act as sufficient incentive for them to produce more and the company has accordingly given assurance to the workers.

Because of this assurance, an increase in productivity has been observed as revealed by the figures for the month of April, 2020:

Hourly rate of wages (guaranteed)	₹ 50
Average time for producing one unit by one worker at the previous performance	1.975 hours
(this may be taken as time allowed)	
Number of working days in a month	24
Number of working hours per day of each worker	8
Actual production during the month	6,120 units

Required:

- Calculate the effective increase in earnings of workers in percentage terms under Halsey and Rowan scheme.
- Calculate the savings to Z Ltd in terms of direct labour cost per unit under both the schemes. (ii)
- Advise Z Ltd about the selection of the scheme that would fulfil its assurance of incentivising workers and also to adjust with the increase in demand.

2. Labour Turnover

5

RTP MAY 23

Following information are available from the cost records of BMR Limited, CALCULATE Labour turnover rate and Labour flux rate:

No. of Employees as on 01.04.2021 = 9,400 No. of Employees as on 31.03.2022 = 10,600 During the year, 160 Employees left while 640 Employees were discharged and 1,500 Employees were recruited during the year; of these, 400 Employees were recruited because of exits and the rest were recruited in accordance with expansion plans.

6

PYQ MAY 22 (5 MARKS) Q. 1B

PQR Limited has replaced 72 workers during the quarter ended 31st March 2022. The labour rates for the quarter are as follows:

Flux method	16%
Replacement method	8%
Separation method	5%

You are required to ascertain:

- Average number of workers on roll (for the guarter), (i)
- (ii) Number of workers left and discharged during the quarter,
- Number of workers recruited and joined during the guarter, (iii)
- Equivalent employee turnover rates for the year. (iv)

CA Rahul Panchal

RTP NOV 22

HR Ltd. is progressing in its legal industry. One of its trainee executives, Mr. H, in the Personnel department has calculated labour turnover rate 24.92% for the last year using Flux method. Following is the data provided by the Personnel department for the last year:

T	·			
Employees	At the beginning	Joined	Left	At the end
Records clerk	810	1,620	90	2,340
Human Resource Manager	?	30	90	60
Legal Secretary	?	90		?
Staff Attorney	?	30	30	?
Associate Attorney	?	30		45
Senior Staff Attorney	6			18
Senior Records clerk	12			51
Litigation attorney	?			?
Employees transferred from the Subsidiary Company				
Senior Staff Attorney		12	-	
Senior Records clerk	-	39	1	
Employees transferred to the Subsidiary Company				
Litigation attorney			90	
Associate Attorney			15	

At the beginning of the year there were total 1,158 employees on the payroll of the company. The opening strength of the Legal Secretary, Staff Attorney and Associate Attorney were in the ratio of 3:3:2.

The company has decided to abandon the post of Litigation attorney and consequently all the Litigation attorneys were transferred to the subsidiary company.

The company and its subsidiary are maintaining separate set of books of account and separate Personnel Department.

You are required to:

- CALCULATE Labour Turnover rate using Replacement method and Separation method.
- VERIFY the Labour turnover rate calculated under Flux method by Mr. H (b)

8

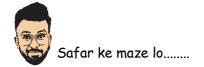
RTP MAY 18

Jyoti Ltd. wants to ascertain the profit lost during the year 2017-18 due to increased labour turnover. For this purpose, it has given you the following information:

- Training period of the new recruits is 50,000 hours. During this period their productivity is 60% of the experienced workers. Time required by an experienced worker is 10 hours per unit.
- (2) 20% of the output during training period was defective. Cost of rectification of a defective unit was ₹ 25.
- Potential productive hours lost due to delay in recruitment were 1,00,000 hours. (3)
- Selling price per unit is ₹ 180 and P/V ratio is 20%. (4)
- (5) Settlement cost of the workers leaving the organization was ₹ 1,83,480.
- (6)Recruitment cost was ₹ 1,56,340
- (7)Training cost was ₹ 1,13,180

Required:

CALCULATE the profit lost by the company due to increased labour turnover during the year 2017-18.



9

3. Cost(Rate) Per Hour

PYQ NOV 18 (5 MARKS) Q. 5B(i)

Following data have been extracted from the books of M/s. ABC Private Limited:

(i)	Salary (each employee, per month)	₹ 30,000
(ii)	Bonus	25% of salary
(iii)	Employer's contribution to PF, ESI etc.	15% of salary
(iv)	Total cost at employees' welfare activities	₹ 6,61,500 per annum
(v)	Total leave permitted during the year	30 days
(v)	No. of employees	175
(vii)	Normal idle time	70 hours per annum
(viii)	Abnormal idle time (due to failure of power supply)	50 hours
(ix)	Working days per annum	310 days of 8 hours

You are required to calculate:

- 1. Annual cost of each employee
- 2. Employee cost per hour
- 3. Cost of abnormal idle time, per employee

10

4. Overtime Cost

RTP MAY 22

A total of 108 labour hours have been put in a particular job card for repair work engaging a semi-skilled and skilled labour (Mr. Deep and Mr. Sam respectively).

The hours devoted by both the workers individually on daily basis for this particular job are given below:

-	Monday	Tuesday	Wednesday	Thursday	Friday
	10.5	8.0	10.5	9.5	10.5

The skilled labour also worked on Saturday for 10 hours.

Sunday is a weekly holiday and each worker has to work for 8 hours on all week days and 5 hours on Saturdays; the workers are however paid full wages for Saturday (8 hours for 5 hours worked).

Semi-skilled and skilled worker is paid ordinary wage @ ₹ 400 and ₹ 600 respectively per day of 8 hours labour. Further, the workers are also paid dearness allowance @ 20%.

Extra hours worked over and above 8 hours are also paid at ordinary wage rate however, overtime premium of 100% of ordinary wage rate is paid if a worker works for more than 9 hours in a day AND 48 hours in a week.

You are required to COMPUTE the wages payable to Mr. Deep (Semi-skilled) and Mr. Sam (Skilled).





11

RTP NOV 21

Textile Ltd. pays following	overtime premium for	rits labour b	eside normal	wages of ₹ 100 per
hour:				

Before and after normal working hours	80% of basic wage rate
Sundays and holidays	150% of basic wage rate

During the previous year 2019-20	, the following hours were worked:
----------------------------------	------------------------------------

	Normal time	3,00,000 hours
	Overtime before and after normal working hours	60,000 hours
	Overtime on Sundays and holidays	15,000 hours
	Total	3,75,000 hours

During the current year 2020-21, the following hours have been worked on job 'Spinning':

Normal	4,000 hours
Overtime before and after normal working hours	400 hours
Overtime on Sundays and holidays	100 hours
Total	4,500 hours

You are required to CALCULATE the labour cost chargeable to job 'Spinning' and overhead in each of the following instances:

- (a) Where overtime is worked regularly throughout the year as a policy due to the workers' shortage.
- (b) Where overtime is worked irregularly to meet the requirements of production.
- (c) Where overtime is worked at the request of the customer to expedite the job.