CLASS XII (COSTING)

TYPES OF REMUNERATION

BONUS PREMUM PLAN

HALSEY PREMIUM PLAN

ROWAN PREMIUM PLAN

TIME SAVED = TIME ALLOWED/STANDARD TIME – TIME TAKEN

10 HOURS – 8 HOURS

2 HOURS (BONUS HOURS)

HALSEY = T X R + 50% (S-T X R)

HERE

S STANDS FOR STANDARD TIME OR TIME ALLOWED

T STANDS FOR TIME TAKEN

R STANDS FOR RATE PER HOUR

TIME ALLOWED = 8 HOURS

TIME TAKEN = 6 HOURS

RATE PER HOUR = ₹5

TS = S-T = 8 HOURS – 6 HOURS = 2 HOURS(BONUS HOURS)

EARNINGS UNDER HALSEY = T X R + 50%(TS x R)

= 6 HOURS x ₹5 + 50% (2 HOURS x ₹5)

= ₹30 + ₹5 = ₹35

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Q16

STANDARD TIME = 40 HOURS

RATE PER HOUR = ₹15

TIME TAKEN = 32 HOURS

TIME SAVED = S- T = 40 HOURS – 32 HOURS = 8 HOURS

WAGES AS HALSEY = T X R + 50%(TS X R)

= 32 HOURS x ₹15 + 50% (8 HOURS x ₹15)

= ₹480 + 60

= ₹540

PRIME COST = MATERIAL COST + LABOUR COST

= ₹1000 + ₹540 = ₹1540

WORKCOST = PRIME COST + FACTORY OVERHEAD

= 1540 + (32 HOURS x ₹10)

= 1540 + 320

= ₹1860.

17

S= 12 HOURS

T = 8 HOURS

TS = 12 HOURS – 8 HOURS = 4 HOURS

RATE PER HOUR = ₹40

WAGES UNDER HALSEY = T X R + 50 % (TS X R)

= 8 X 40 + 50% (4 x 40)

= 320 + 80

= 400.

18.

ORDINARY WAGES RECIEVED = ₹160

WORKING HOURS = 8 HOURS

SO RATE PER HOUR = 160/8 = ₹20

The standard output per hour is 80 units.

So standard output in 8 hours = 80 x 8 = 640 units

The worker produces = 800 units

To produce 800 units time required = 800/80 = 10 hours

S = 10 hours

T = 8 hours

Ts = 10 − 8 = 2 hours

Wages under halsey = T X R + 50% (TS x R)

$$= 8 \times 20 + 50\%(2 \times 20)$$

$$= 160 + 20$$

$$= ₹180$$

Wages for working for 1 hours = 160/8= ₹20

Bonus amount for 1 hours = 20/8 = 2.5

Wages for 100 units per hour = 20+2.5 = ₹22.5

Rowan Premium Plan

T X R + (S − T/ S x T x R) OR T X R +(TS/S X T X R)

T STANDS FOR TIME TAKEN

S STANDS FOR STANDARD TIME

TS STANDS TIME SAVED

R STANDS RATE PER HOUR

Standard time = 25 hours

Wages rate per hour =₹5

Time taken = 17 hours.

S= 25 HOURS

T = 17 HOURS

R =₹ 5

TS = S – T = 25 HOURS – 17 HOURS = 8 HOURS

WAGES AS PER ROWAN = T X R + (TS/S X T X R)

$\qquad$ = 17 X 5 + (8/25 X 17 x 5)

$\qquad$ =85 + 27.2

$\qquad$ =₹112.20

TWO WORKERS	Ram	Rahim
Time Taken	12	18
Time Saved	8	12
Rate of wages	3	5

Calculate the wages of Ram and Rahim in Halsey as well as Rowan.

TWO WORKERS	BIMAL	RAHIM
TIME TAKEN	60	50
TIME SAVED	30	20
RATE PER HOUR	18	15
INCENTIVE SCHEME	ROWAN	HALSEY

Bimal

Time taken = 60 hours

Time saved = 30 hours

Standard time = 60 hours + 30 hours = 90 hours

Rate per hour = ₹18

Earnings under Rowan = T X R + (TS/S X T X R)

= 60 X 18 + (30/90 X 60 X 18)

= 1080 + 360

= ₹1440

₹

Rahim

Time taken 50 hours

Time Saved = 20 hours

Standard time = 50 + 20 = 70 hours

Rate per hour = 15

Earnings under halsey = T X R + 50%(TS X R)

= 50 x 15 + 50%(20 x 15)

= 750 + 150

= ₹900

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Q 19

STANDARD TIME = 150 HOURS

TIme TAKEN = 120 HOURS

RATE PER HOUR = ₹15

TS = 150 HOURS – 120 HOURS = 30 HOURS

WAGES = T X R + (TS/S X T X R)

= 120 x 15 + (30/150 X 120 X 15)

= 1800 + 360

= ₹2160

Total no of hours worked = 120 hours

Hours worked in 1 day = 8 hours

No of days worked = 120/8 = 15 days

Dearness allowance @ ₹48 per day
Total DA = 48 x 15 = ₹720

Total earnings = ₹2160+₹720= ₹2880