A 1	В	C	D	E	F.	G	H	1	1	K	L
roll no.	name	marks	result	Number?	Final Result	result distinction	rank	rank 2	rank 3		
1	а	45	=IF(C2>=33,"pass","fail")	=ISNUMBER(C2)	=IF(E2=TRUE,D2,"Absent")	=IF(E2=TRUE,IF(C2>=75,"distinction",""),"")	=RANK(C2,C2:C16,0)	=RANK(C2,\$C\$2;\$C\$16,0)	=IFERROR(RANK(C2,\$C\$2:\$C\$16,0),"")		
2	b	45	=IF(C3>=33,"pass","fail")	=ISNUMBER(C3)	=IF(E3=TRUE,D3,"Absent")	=IF(E3=TRUE,IF(C3>=75,"distinction",""),"")	=RANK(C3,C3:C17,0)	=RANK(C3,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C3,\$C\$2:\$C\$16,0),"")		
3	С	21	=IF(C4>=33,"pass","fail")	=ISNUMBER(C4)	=IF(E4=TRUE,D4,"Absent")	=IF(E4=TRUE,IF(C4>=75,"distinction",""),"")	=RANK(C4,C4:C18,0)	=RANK(C4,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C4,\$C\$2:\$C\$16,0),"")		
4	d	A	=IF(C5>=33,"pass","fail")	=ISNUMBER(C5)	=IF(E5=TRUE,D5,"Absent")	=IF(E5=TRUE,IF(C5>=75, "distinction", ""),"")	=RANK(C5,C5:C19,0)	=RANK(C5,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C5,\$C\$2:\$C\$16,0),"")		
5	e	11	=IF(C6>=33,"pass","fail")	=ISNUMBER(C6)	=IF(E6=TRUE,D6,"Absent")	=IF(E6=TRUE,IF(C6>=75, "distinction", ""), "")	=RANK(C6,C6:C20,0)	=RANK(C6,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C6,\$C\$2:\$C\$16,0),"")		
6	f	1	=IF(C7>=33,"pass","fail")	=ISNUMBER(C7)	=IF(E7=TRUE,D7,"Absent")	=IF(E7=TRUE,IF(C7>=75,"distinction",""),"")	=RANK(C7,C7:C21,0)	=RANK(C7,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C7,\$C\$2;\$C\$16,0),"")	pass	=COUNTIF(F:F,K7
7	g	78	=IF(C8>=33,"pass","fail")	=ISNUMBER(C8)	=IF(E8=TRUE,D8,"Absent")	=IF(E8=TRUE,IF(C8>=75,"distinction",""),"")	=RANK(C8,C8:C22,0)	=RANK(C8,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C8,\$C\$2:\$C\$16,0),"")	fail	=COUNTIF(F:F,K8)
8	h	5	=IF(C9>=33,"pass","fail")	=ISNUMBER(C9)	=IF(E9=TRUE,D9,"Absent")	=IF(E9=TRUE,IF(C9>=75, "distinction", ""), "")	=RANK(C9,C9:C23,0)	=RANK(C9,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C9,\$C\$2:\$C\$16,0),"")	absent	=COUNTIF(F:F,K9)
9	1	76	=IF(C10>=33,"pass","fail")	=ISNUMBER(C10)	=IF(E10=TRUE,D10,"Absent")	=IF(E10=TRUE,IF(C10>=75,"distinction",""),"")	=RANK(C10,C10:C24,0)	=RANK(C10,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C10,\$C\$2;\$C\$16,0),"")	total	=SUM(L7:L9)
10	j	99	=IF(C11>=33,"pass","fail")	=ISNUMBER(C11)	=IF(E11=TRUE,D11,"Absent")	=IF(E11=TRUE,IF(C11>=75,"distinction",""),"")	=RANK(C11,C11:C25,0)	=RANK(C11,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C11,\$C\$2:\$C\$16,0),"")		
11	k	55	=IF(C12>=33,"pass","fail")	=ISNUMBER(C12)	=IF(E12=TRUE,D12,"Absent")	=IF(E12=TRUE,IF(C12>=75,"distinction",""),"")	=RANK(C12,C12:C26,0)	=RANK(C12,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C12,\$C\$2:\$C\$15,0),"")		
12	- 1	A	=IF(C13>=33,"pass","fail")	=ISNUMBER(C13)	=IF(E13=TRUE,D13,"Absent")	=IF(E13=TRUE,IF(C13>=75, "distinction", ""), "")	=RANK(C13,C13:C27,0)	=RANK(C13,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C13,\$C\$2:\$C\$16,0),"")		
13	m	37	=IF(C14>=33,"pass","fail")	=ISNUMBER(C14)	=IF(E14=TRUE,D14,"Absent")	=IF(E14=TRUE,IF(C14>=75,"distinction",""),"")	=RANK(C14,C14:C28,0)	=RANK(C14,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C14,\$C\$2:\$C\$16,0),"")		
14	n	89	=IF(C15>=33,"pass","fail")	=ISNUMBER(C15)	=IF(E15=TRUE,D15,"Absent")	=IF(E15=TRUE,IF(C15>=75,"distinction",""),"")	=RANK(C15,C15:C29,0)	=RANK(C15,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C15,\$C\$2:\$C\$16,0),"")		
15	р	15	=IF(C16>=33,"pass","fail")	=ISNUMBER(C16)	=IF(E16=TRUE,D16,"Absent")	=IF(E16=TRUE,IF(C16>=75,"distinction",""),"")	=RANK(C16,C16:C30,0)	=RANK(C16,\$C\$2:\$C\$16,0)	=IFERROR(RANK(C16,\$C\$2:\$C\$16,0),"")		
4											

EXCEL PROJECTS

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Para 8.2

(iv) The amount of instalment is given in cell B5. To get this value, enter the formula =\$B\$5 in cell D7 and copy this formula to cells D8 to D26.

(Figure 8.43)

(v) To calculate Closing Balance, add Opening Balance and Interest and

(v) To calculate Closing Balance, add Opening Balance and Interest and (v) To calculate Closing Balance, and Opening State and Interest and Subtract Amount of Instalment. To do this, enter the formula =B7+C7_D7 in cell E7 and copy this formula in cells E8 to E26. (Figure 8.43)

L	7 in cell E7 and Co	ppy this formula ii	C	D	E
	A	100000			
1	Amount of Loan				
	Periodicity	5			
	Years	0.15			
	Rate of Interest	=PMT(B4/B2,B2*B3,-B1)		11	Class
	Amount of installment	Opening Balance	Interest	Installment	
	Installment No.	Opening Data			Balance
		=+B1	=B7*\$B\$4/\$B\$2	=\$B\$5	=B7+C7-D7
	1	=E7	=B8*\$B\$4/\$B\$2	=\$B\$5	=B8+C8-D8
	3	=E8	=B9*\$B\$4/\$B\$2	=\$B\$5	=B9+C9-D9
		=E9	=B10*\$B\$4/\$B\$2	=\$B\$5	=B10+C10-D10
	4	=E10	=B11*\$B\$4/\$B\$2	=\$B\$5	=B11+C11-D11
	5	=E10	=B12°\$B\$4/\$B\$2	=\$B\$5	=B12+C12-D12
	6	=E12	=B13*\$B\$4/\$B\$2	=\$B\$5	=B13+C13-D13
	7		=B14*\$B\$4/\$B\$2	=\$B\$5	=B14+C14-D14
	8	=E13			=B15+C15-D1
	9	=E14	=B16*\$B\$4/\$B\$2	=SBS5	=B16+C16-D1
	10	=E15	=B17*\$B\$4/\$B\$2		=B17+C17-D1
	11	=E16	=B18*\$B\$4/\$B\$2		=B18+C18-D1
	12	=E17	=B19"\$B\$4/\$B\$2		=B19+C19-D1
	13	=E18	Street St		=B20+C20-D2
	14	=E19	=B20*\$B\$4/\$B\$2		=B20+C20-D2
	15	=E20	=B21°\$B\$4/\$B\$2		
	16	=E21	=B22*\$B\$4/\$B\$2		=B22+C22-D
	17	=E22	=B23°\$B\$4/\$B\$2		=B23+C23-D
ĺ	18	=E23	=B24"\$B\$4/\$B\$2	=\$B\$5	=B24+C24-D
	19	=E24	=B25*\$B\$4/\$B\$2	=\$B\$5	=B25+C25-D
	20	=E25	=B26*\$B\$4/\$B\$2	=\$B\$5	=B26+C26-D

FIGURE 8.43

4. Having completed all the 3 steps above, the final output is shown in the figure 8.44

A	Bal	ance Sheet o	of M/s ABC Ltd.	1		
	Del	As on 31	MIS ABC Ltd.			
		Amount	Assets		-	
Liabilities		=SUM(B5:B6)	The second secon	Amount		
Capital Account	500000	-308(03.00)	Fixed Assets		-SUM(E5E7)	
Reserves & Surprus	-		Furniture	292500		
Capital A/C	1800000		Land & Building	2300000		
Loans (Liability)		-SUM(88:89)	PAM	475000		
Secured Loans	2500000		Investments		16	
Insecured Loans	500000		Investments			
Corrent Liabilities		=SUM(B11:B15)	Current Assets		-SUMMETTET	
memasigns	240000		Closing Stock	1429407	-30M(£11216	
andry Creditors	250600		Sundry Debtors	397000		
20	100000		Cash-in-hand	20000		
net Outstanding	50000		Bank Accounts	1247600		
Catarias Outstanding	50000		B/R	50000		
			Prepaid Insurance	7800		
Profit & Loss A/c		=SUM(B18:B20)				
Opening Balance	300000					
Current Period Profit	148707					
Less Transferred	-220000					
Total		=SUM(C4:C20)	Total		=SUM(F4:F2	

FIGURE 8.37

2. The Result of this is as under:

ij.	A	В	C	D	E	F
1		Balance	Sheet o	of M/s ABC Ltd.		
2		1	As on 31	/3/2016		
3	Liabilities	Amo	unt	Assets	Ато	unt
4	Capital Account		2300000	Fixed Assets		3067500
5	Reserves & Surplus	500000		Furniture	292500	
5	Capital A/c	1800000		Land & Building	2300000	
7	Loans (Liability)		3000000	P&M	475000	
	Secured Loans	2500000		Investments		Mi
	Unsecured Loans	500000		Investments		
9	Current Liabilities		690600	Current Assets		3151807
Į,	Provisions	240000		Closing Stock	1429407	
2	Sundry Creditors	250600	-	Sundry Debtors	397000	
3	BP	100000		Cash-in-hand	20000	
	Rent Outstanding	50000		Bank Accounts	1247600	
5	Salanes Outstanding	50000		BIR	50000	
5		Silvensille		Prepaid Insurance	7800	
7	Profit & Loss A/c		228707			
3	Opening Balance	300000				-
	Current Period Profit	148707				
E.	Less Transferred	-220000				
g	Total	220000	6219307	Total		621930

FIGURE 8.38

FIGURE 8.38

3. Enter the above Trading and Profit and Loss Account in this excel Sheet.
The Value of Total of Trading Account, Indirect Expenses, Indirect

Para 8.6 Para 8.6

To Calculate the above ratios enter the following information and Formula

to the excel sheet:

1		A	8	
		Ratio to be Computed	Accounting Formula to be used	Formula to be used
×	1	+ Patio	Current Assets/Current	In Excel
di	2.	L Patro	Quick Assets/Current	=F16/C10
80		Committee Parties	Debts/Capital Employed	#F10-E11-E16]/C16
AE	4.		Gross Profit/Sales	=C7/(C4+C17)
19	5.		Net Profit/ Sales	=C28/F25 =C40/F25
20	5.	Operating Cost Ratio	1-Net Profit Ratio	=1-C50
2	7.	Return on Working Capital	Net Profit/Working Capital	=C40/(F10-C10)
N N	_	Return on Capital Employed	Net Profit/Capital Employed	=C40/(C4+C17)
20	9.	Inventory Turnover Ratio	Cost of goods sold/average inventor	
CAT.	10.	Working Capital Turnover Ratio	Net Sales/ Average Working Capital	=F26/(F10-C10)

FIGURE 8.41

6. The Result of the above formula is shown below:

1	A	В	C
45	Ratio to be Computed	Accounting Formula to be used	Formula to be used in Excel
	1 Current Patio	Current Assets/Current	4.56
47	2 Ouick Patio	Quick Assets/Current Liabilities	2.48
48	3. Doht/Fourity Ratio	Debts/Capital Employed	1.19
49	4. Gross Profit Ratio	Gross Profit/Sales	0.45
50.	5. Net Profit Ratio	Net Profit/ Sales	0.24
51	6. Operating Cost Ratio	1-Net Profit Ratio	0.76
52	/ Return on Working Capital	Net Profit/Working Capital	0.06
53	8 Potum or Could Feel and	Net Profit/Capital Employed	0.06
54		Cost of goods sold/average	0.24
K		Net Sales/ Average	0.25

FIGURE 8.42

from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; and Net profit by subto from Gross Profit of Trading Account; as shown below:

cit	count; as sn	0	C	D ARC	1 64	-
	A	D disp (I	and Profit & Loss	AIC OF MIS ABC	L.CO.	
23		rading	e Financial Year e	10000	716	
24		For the	Amount	Particulars		Amount
25	Particulars	-	1729800	Sales Accounts		625000
26	Opening Stock	-		Closing Stock		1429497
27	Purchase Accounts	_	43000			
28	Gross Profit c/o		=F30-SUM(C26:C27)			
29						-SUM(F26:F29)
30			=SUM(C26:C29)			
31				Gross Profit b/f		-C23
32	Indirect Expenses		=SUM(B33:B39)	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		120200
33	Depreciation	57500		Indirect Incomes	200	120200
34	Discount Allowed	20000		Discount Received		
35	Electricity	10000		Profit on Sale of Inv	120000	
36	Insurance Premium	15600				
37	Rent	60000		10000		
38	Salaries	85000				1
39	Telephone	5000				
40	Nett Profit		=F42-C32			
41			The same of the sa	The state of the s		
42	Total		=SUM(C32:C40)	Total		=SUM(F32:F41

FIGURE 8.39

The Result is as under:

	A	8	C	D	E	
24	For	the Financ	cial Year	ending on 31/3/20	16	F
25	- MILICURATS	Amo	unt	Particulars	THE RESERVED FOR	TOTAL CONTRACTOR
25	Opening Stock		1729800	Sales Accounts	Amo	
27	Perchase Accounts		43000	Closing Stock		62500
28	Gross Profit clo		281607	Closing Stock		142940
29			201001			
30			2054407			
31			2054407			205440
32	Indirect Expenses					
33	Depreciation	57800	253100	Gross Profit b/f		20400
34	Discount Allowed	57500		Indirect Incomes		28160
35	Electricity	20000		Discount Received		12020
35	. Insurance Premium	10000		Profit on Sale	200	
37	Rent	15600		Profit on Sale of Inves	120000	
38	Salaries	60000				
39	Telephone	85000				
10	Nett Profit	5000				
11			148707			
12	Total		148707			
			401807	Total		
				- Col		40180

FIGURE 8 40

.1		EL PROJECTS	D
4 A	Name of	Basic	DA
Emplo 2 3 1 4 2 5 3 6 4 7 5 8 6 9 7 10 8 11 9	employees d d d k l	8000 11000 14000 22000 30000 38000 46000 54000	=MIN(C3*10%,5400) =MIN(C4*10%,5400) =MIN(C5*10%,5400) =MIN(C6*10%,5400) =MIN(C7*10%,5400) =MIN(C8*10%,5400) =MIN(C9*10%,5400) =MIN(C10*10%,5400) =MIN(C11*10%,5400) =MIN(C11*10%,5400) =MIN(C12*10%,5400) =MIN(C12*10%,5400)

Para

FIGURE 8.2

- 3. (i) As per question the HRA rate for basic Salary upto ₹ 10,000 is 10% of Basic Salary. For basic salary between ₹ 10,001 to ₹ 25,000 the rate of HRA is ₹ 1,000 + 20% of basic salary above ₹ 10,000. For basic salary above ₹ 25,000 the rate of HRA is ₹ 4,000 + 30% of basic salary above 25,000. To calculate HRA Enter the formula =IF(C3<10000,C3*10% IF(C3<25000,1000+(C3-10000)*20%, 4000+(C3-25000)*30%)) in cell E3 Copy this formula in cells E4 to E12 (Figure 8.3).
 - (ii) To calculate gross salary Enter sum function in cell F3 with formula =SUM(C3:F3). Copy this formula in cells F4 to F12 (Figure 8.3).

Payroll for the Month of January 2013	
HRA	Gross
IF(C3<10000,C3*10%,IF(C3<25000,1000+(C3-10000)*20%,4000+(C3-25000)*30%))	= SUM(C3:É
IF(C4<10000,C4*10%)F(C4<25000,1000+(C3-10000)*20%,4000+(C3-25000)*30%)) IF(C5<10000,C5*10%)F(C5<25000,1000+(C4-10000)*20%,4000+(C4-25000)*30%))	=SUMICAL
F(C0<10000 C6*40W (C/OE 0500)	=SUM(C5:
THE PROPERTY OF THE PROPERTY O	= SLIMIC6:
	=SUM(C7:E
	=SUM(C8:5 =SUM(C9:5
(C11<10000 C14:400 (C10<25000,1000+(C10-10000);30%))	CUMICA
C11<10000.C11*10%, F(C10<25000.1000+(C10-10000)*20%, 4000+(C9-25000)*30%)) C12<10000.C12*10%, F(C11<25000.1000+(C11-10000)*20%, 4000+(C11-25000)*30% M(E3:E12) M(E3:E12))) = SUM(C1
M(E3:E12) M(E3:E12)	CUMMIC 4
7.50 0,4000+(C12-25000)*301.	= SUM(F3;