



MATHS

BOOKS - ARIHANT PUBLICATION

JHARKHAND

BANKING

Solve Example

1. A page from savings bank account passbook of Mrs. Veena Rao is given below

Date	Particulars	With drawals (in ₹)	Deposits (in ₹)	Balance (in ₹)
3 Jan, 2011	B/F	—	—	12500.00
9 Feb	To Cheque	1050.00	—	11450.00
6 March	By Cheque	—	2000.00	13450.00
10 March	By Cash	—	1550.00	15000.00
9 July	To Cheque	1800.00	—	13200.00
24 Sept	By Cash	—	2800.00	16000.00
7 Nov	To Cheque	11000.00	—	5000.00
12 Dec	By Cheque	—	6000.00	11000.00

The interest received by Mrs. Rao for the period 1 January , 2011 to 31 December, 2011 at the rate $4\frac{1}{2}$ % per annum is

A. Rs. 560.81

B. Rs. 550.81

C. Rs. 550.80

D. Rs. 560.80

Answer: A



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2. Given below is a page from the passbook of Kamal's savings bank account.

Date	Particulars	Amount with drawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
1 July, 2010	By Balance	—	—	2500.00
5 July	By Cash	—	1500.00	4000.00
15 July	By Cash	—	2500.00	6500.00
20 July	To Cheque	1200.00	—	5300.00
12 Aug	By Cash	—	1000.00	6300.00
18 Sept	By Cash	—	4000.00	10300.00
25 Sept	To Self	3000.00	—	7300.00
6 Nov	To Cheque	2000.00	—	5300.00
20 Nov	By Cash	—	1700.00	7000.00
1 Dec	By Cash	—	2000.00	9000.00
15 Dec	To Cheque	1500.00	—	7500.00

The rate of interest is 4% per annum and is

compounded at the end of June and December every year. Then, the interest entry at the end of December, 2010 in the passbook is

A. Rs. 7619.00

B. Rs. 7916.00

C. Rs. 7169.00

D. Rs. 7196.00

Answer: C



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3. Entries showing the dates and the balances standing in the savings bank account of Mr. Rehmat Ali for the year 2009 are given below

Date	Balance (In ₹)
4 Jan, 2009	960.00
9 Feb	1215.00
12 Feb	605.00
6 March	1136.00
29 March	236.00
10 April	123.00
11 June	348.00
8 Sept	713.00
13 Oct	1050.00
5 Nov	425.00
6 Dec	560.00
28 Dec	440.00

The interest at the rate of 6% per annum for 2009 is

A. Rs. 26.70

B. Rs. 25.70

C. Rs. 25.73

D. Rs. 25.25

Answer: B



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4. Mr. Sanjay Kundu has his savings bank account in the State Bank of India. His passbook has the following entries.

Date	Particulars	With drawals (in ₹)	Deposits (in ₹)	Balance (in ₹)
1 Oct, 2009	B/F	—	—	1650.00
5 Jan, 2010	By Cash	—	1500.00	3150.00
8 Jan	To Cheque	1125.00	—	2025.00
14 Jan	By Cash	—	1800.00	3825.00
12 March	By Cheque	—	960.00	4785.00
21 May	To Cheque	825.00	—	3960.00
14 July	To Self	1870.00	—	2090.00
7Aug	By Cheque	—	5426.00	7518.00
13 Sept	By Cash	—	484.00	8000.00

The interest that due to him on 1 October 2010 the rate of interest being $5\frac{1}{2}\%$ per annum compounded annually at the end of September every year is

A. Rs. 203.66

B. Rs. 205.68

C. Rs. 205.68

D. Rs. 203.68

Answer: D



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5. The entries in the passbook of the savings bank account of Mr. RP Sinha are as follows

Date	Particulars	With drawals (in ₹)	Deposits (in ₹)	Balance (in ₹)
1 Jan, 2010	B/F	—	—	2500.00
8 Jan	By Cash	—	800.00	3300.00
29 Jan	To Cheque	650.00	—	2650.00
14 Feb	By Cheque	—	350.00	3000.00
18 March	To Cheque	740.00	—	2260.00
7 May	By Cash	—	4790.00	7050.00
15 May	To Self	6000.00	—	1050.00
10 June	By Cheque	—	975.00	2025.00
19 Sept	To Cheque	835.00	—	1190.00

If the interest is calculated at the end of September each year and the total interest from January, 2010 to September 2010 is Rs. 75.50, then the rate of Interest per annum is

A. 5 % per annum

B. 4 % per annum

C. 6 % per annum

D. 7 % per annum

Answer: A



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Exam Booster For Cracking Exam

1. A page from the passbook of a savings bank account is given below.

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
01.07.2010	B/F	—	—	5000.00
11.07.2010	By Cheque	—	7000.00	12000.00
25.08.2010	By Cheque	—	8000.00	20000.00
10.10.2010	To Cheque	10000.00	—	10000.00
15.12.2010	By Cash	—	12000.00	22000.00
28.12.2010	To Cheque	19000.00	—	3000.00

The account is closed on 2 January, 2011 the amount received, if the rate of interest is 5% per annum, is

A. Rs. 3350

B. Rs. 3250

C. Rs. 3000

D. Rs. 250

Answer: B



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2. A page from a passbook of savings bank account is given below

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
01.08.2009	By Balance	—	—	5000.00
09.08.2009	By Cash	—	10000.00	15000.00
03.09.2009	To Cheque	12000.00	—	3000.00
10.09.2009	By Cheque	—	15000.00	18000.00
29.11.2009	By Cheque	8000.00	—	10000.00
11.12.2009	By Cheque	—	10000.00	20000.00

The account is closed on 30 December, 2009
the amount received, if the rate of interest is
6 % per annum is

A. Rs. 20305

B. Rs. 23005

C. Rs. 22057

D. None of these

Answer: A



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3. A page from passbook of the savings bank of Ved is given below

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
08.03.2008	B/F	—	—	4500.00
12.03.2008	To Cheque	600.00	—	3900.00
18.04.2008	By Cheque	—	1600.00	5500.00
26.04.2008	By Cash	—	3500.00	9000.00
12.08.2008	By Cash	—	500.00	9500.00
18.10.2008	By Self	4500.00	—	5000.00
12.11.2008	By Cheque	—	1850.00	6650.00
03.12.2008	By Cash	—	1350.00	8000.00

The interest Ved gets for the period of March,

2008 to end of December, 2008 at 5% per annum simple interest is

A. Rs. 8297.08

B. Rs. 8298

C. Rs. 297.08

D. None of these

Answer: D



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4. A page from the passbook of Mrs. Amita's savings bank account is given below

Date	Particulars	Amount withdrawn	Amount Deposited (in ₹)	Balance (in ₹)
1 Jan, 2009	B/F	—	—	2630.50
20 Feb	By Cash	—	1050.00	3680.50
25 Feb	To Self	200.00	—	3480.50
14 May	By Cash	—	2000.00	5480.00
17 June	By Cash	—	1700.00	7180.00
21 June	To Cheque No. 312	5102.00	—	2078.50

Assuming that the interest is credited at the end of June and December every year and the rate of interest is 5 % per annum, the interest entry of the passbook at the end of June, 2009 is

A. Rs. 17780

B. Rs. 7408

C. Rs.74.08

D. None of these

Answer: C



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5. A page from the passbook of Deepti Sharma's saving bank account in a particular year is given below

Date	Particulars (in ₹)	Amount withdrawn (in ₹)	Amount Deposited (in ₹)	Balance (in ₹)
1 Jan	By Balance	—	—	1500.00
5 Jan	By Cash	—	1000.00	2500.00
20 Jan	To Cheque	500.00	—	2000.00
15 Feb	By Cash	—	1200.00	3200.00
27 Feb	To Cheque	700.00	—	2500.00
8 May	To Cheque	1000.00	—	1500.00
15 May	By Cash	—	700.00	2200.00
3 June	By Cash	—	1500.00	3700.00
14 June	By Cash	—	700.00	4400.00
28 June	To Cheque	1200.00	—	3200.00
12 Aug	By Cash	—	2000.00	5200.00
30 Aug	To Cheque	1300.00	—	3900.00
1 Nov	By Cash	—	600.00	4500.00
20 Nov	By Cash	—	1000.00	5500.00
8 Dec	To Cheque	1200.00	—	4300.00
20 Dec	By Cash	—	2000.00	6300.00

The interest earned by Deepti Sharma at the end of the year, if the rate of interest is 6% per annum payable in December is

A. Rs. 37400

B. Rs. 187

C. Rs. 37587

D. None of these

Answer: B



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6. A page from the passbook of Ram Lal's savings bank account in a particular year is given below

Date	Particulars	Amount with drawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
1 Jan	By Balance	—	—	1200.00
15 Jan	By Cash	—	1500.00	2700.00
20 Feb	By Cash	—	700.00	3400.00
25 Feb	To Cheque	850.00	—	2550.00
8 May	By Cash	—	1200.00	3750.00
14 May	By Cheque	—	4730.00	8480.00
12 July	To Self	480.00	—	8000.00
20 July	To Cheque	1500.00	—	6500.00
14 Sept	By Cash	—	3250.00	9750.00
5 Oct	To Cheque	3800.00	—	5950.00
13 Nov	By Cash	—	650.00	6600.00
15 Dec	By Cash	—	900.00	7500.00

Assuming that the rate of interest is 6% per annum and interest is paid once in a year at the end of December, the interest earned by Ram Lal at the end of the year is

A. Rs. 9224.40

B. Rs. 295.40

C. Rs. 7795.40

D. None of these

Answer: D



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7. A page from the passbook of the savings bank account of Mr. Ashwani Kumar is given below

Date	Particulars	Debit (in ₹)	Credit (in ₹)	Balance (in ₹)
2 Jan, 1998	Balance B/F	—	—	1250.00
6 Feb	To Cheque	550.00	—	700.00
3 March	By Cheque	—	2000.00	2700.00
10 March	By Cash	—	575.00	3275.00
4 Nov	To Cheque	1500.00	—	1775.00
4 Dec	By Cash	—	3000.00	4775.00

The interest from January to December, 1998 at 5 % per annum is

- A. Rs. 144.38
- B. Rs. 144.83
- C. Rs. 4919.38
- D. Rs. 4919.83

Answer: A



8. A page from Ramesh's savings bank account passbook is given below

Date	Particulars	With drawals (in ₹)	Deposits (in ₹)	Balance (in ₹)
2 Jan, 2011	B/F	—	—	5500.00
11 Jan	By Cheque	—	1500.00	7000.00
17 Jan	To Cheque	500.00	—	6500.00
20 Aug	By Cash	—	2500.00	9000.00
8 Dec	To Cheque	5635.00	—	3365.00

The interest received by Ramesh for the period of 1 January, 2011 to 31 December, 2011 when the rate of interest is 4% per annum

A. Rs. 217.20

B. Rs. 271.20

C. Rs. 3636.20

D. None of these

Answer: B



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9. Mr. SK Goswami has a savings bank account with the Syndicate Bank. His passbook has the following entries

Date	Particulars	With drawals (in ₹)	Deposits (in ₹)	Balance (in ₹)
1 Dec, 2009	By Cash	—	5000.00	5000.00
4 Dec	To Cheque	1600.00	—	3400.00
15 Dec	By Cheque	—	640.00	4040.00
1 Jan, 2010	By Salary	—	9250.00	13290.00
8 Jan	To Anil	4000.00	—	9290.00
10 Jan	By Cheque	—	1325.00	10615.00
25 Jan	To Self	8000.00	—	2615.00
5 Feb	By Salary	—	9650.00	12265.00
12 Feb	To Self	5400.00	—	6865.00
8 March	By Salary	—	9650.00	16515.00
15 March	To Self	7500.00	—	9015.00

On 1 April, 2010 Mr. Goswami receives his transfer orders and closes his account on that day. The money he receives on closing the account, the interest being reckoned at 6% per annum is

A. Rs. 9124.50

B. Rs. 109.40

C. Rs. 9214.50

D. None of these

Answer: B



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10. A page from the passbook of Ramesh Chaturvedi's savings bank account in a particular year is given below

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
1 Jan	By Balance	—	—	3500.00
5 Jan	By Cash	—	800.00	4300.00
20 Jan	To Cheque	1000.00	—	3300.00
2 Feb	To Cheque	500.00	—	2800.00
15 Feb	By Cash	—	700.00	3500.00
17 April	By Cash	—	1500.00	5000.00
25 April	To Cheque	1200.00	—	3800.00
1 July	By Cash	—	800.00	4600.00
22 July	By Cash	—	800.00	5400.00
16 Aug	To Cheque	1000.00	—	4400.00
5 Oct	By Cash	—	1300.00	5700.00
15 Nov	By Cash	—	1000.00	6700.00
26 Nov	To Cheque	800.00	—	5900.00
20 Dec	By Cash	—	600.00	6500.00

The interest earned by Ramesh Chaturvedi at the end of the year, if the rate of interest is 6% per annum payable in December is

A. Rs. 51400

B. Rs. 257

C. Rs. 51657

D. Rs. 6157

Answer: B



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11. A page from the passbook of Basant Roy's savings bank account in a particular year is given below

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
1 Jan	By Balance	—	—	2100.00
7 Jan	By Cash	—	1000.00	3100.00
1 Feb	By Cash	—	500.00	3600.00
15 Feb	To Cheque	2000.00	—	1600.00
15 March	By Cash	—	2000.00	3600.00
20 March	To Cheque	1000.00	—	2600.00
12 June	By Cash	—	3000.00	5600.00
28 June	To Cheque	1000.00	—	4600.00
15 Oct	To Cheque	3000.00	—	1600.00
5 Nov	By Cash	—	1500.00	3100.00
10 Dec	By Cash	—	500.00	3600.00
20 Dec	To Cheque	1000.00	—	2600.00

The interest earned by Basant Roy at the end of the year, if the rate of interest is 5% per annum payable in December is

A. Rs. 35200

B. Rs. 2600

C. Rs. 146.66

D. Rs. 2746.66

Answer: C



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12. A page from the passbook of the savings bank account of Mr. Sunil Manjrekar is given below

Date	Particulars	Amount withdrawn (in ₹)	Amount deposited (in ₹)	Balance (in ₹)
15 Jan, 2000	By Cash	—	3000.00	3000.00
18 Jan	By Cash	—	500.00	3500.00
14 Feb	To Cheque	700.00	—	2800.00
22 Feb	By Cash	—	625.00	3425.00
18 July	By Cash	—	600.00	4025.00
21 July	To Self	1500.00	—	2525.00
6 Nov	To Cheque	1600.00	—	925.00
24 Nov	By Cheque	—	825.00	1750.00
8 Dec	By Cash	—	1850.00	3600.00

The interest, at 5% per annum, received by him at the end of the year is

A. Rs. 129.50

B. Rs. 3729

C. Rs. 1979.50

D. None of these

Answer: A



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13. A page from the passbook of the savings bank account of Mrs. Reena Mitra is given below

Date	Particulars	Withdrawals (in ₹)	Deposited (in ₹)	Balance (in ₹)
1 Jan, 2011	Balance B/F	—	—	3000.00
3 Feb	By Cheque	—	8763.00	11763.00
9 Feb	By Cash	—	825.00	12588.00
7 May	To Self	9000.00	—	3588.00
11 June	By Cash	—	6000.00	9588.00
10 Sept	By Cheque	—	9612.00	19200.00
28 Sept	To Cheque	8300.00	—	10900.00
6 Nov	By Cash	—	600.00	11500.00
14 Dec	To Cheque	7625.00	—	3875.00

The interest for the period January to December, 2011 at 4.5 % per annum is

A. Rs. 3875

B. Rs. 3480.00

C. Rs. 7355

D. None of these

Answer: D



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14. A computer is available for Rs. 39300 cash or for Rs. 12820 cash down payment and three equal half-yearly instalments. If the dealer charges interest at the rate of 20% per annum compound semi-annually, then each instalment is

A. Rs. 10648

B. Rs. 26480

C. Rs. 3330

D. Rs. 3310

Answer: A



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15. The annual payment will discharge a debt of Rs. 5082 due in 2 yr at 10% per annum compounded annually is

A. Rs. 1420

B. Rs. 1440

C. Rs. 1419

D. Rs. 2420

Answer: D



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