Problem 8

**BBA Professional 2012** 

Calculate the net NSP and NAP for 5 years term policy from the following information:

Age	No. of insured persons	No. of death	Present Value of tk.l@4%	
31	9480	125	.952	
32	9,355	126	.907	
33	9,229	128	.864	
34	9,101	130	.823	
35	8,971	136	.784	

<sup>\*\*\*</sup> Policy value tk. 10,000

Solution:

Net Annual Premium Premium the Net Single Calculation for 5 years term policy

Year	Age	No. of	No. of		PV of	PV of
	nave.	insured person		Amount of claim	Tk. 1	death
		risk			1100/	claim/4%
1	31	9480	125	10,000	.952	11,90.000
2	32	9355		10,000		11.42.820
3	33	9229	-	10,000	.864	1 1,05.920
4	34	9101	130	10.000	.823	10.69.900
5	35	8971	136	10.000		10.66,240
3	33	0771		Total PV	of death cl	aim = Tk. 55,74,880

We know that,

55,74,880 = TK.588.07Total PV of Claim Net Single Premium = Total number of insured persons

Calculate the NAP for the 5 years term policy

Year	Age	No. of insured person	Premium collected @ Tk. 1	PV of Tk. 1 @ 4%	PV of death claim
1	31	9480	9480	1.00	9480
2	32	9355	9355	.952	8905.96
3	33	9229	9229	.907	8370.70
	34	3101	3101	.864	7863.26
4	35	8971	8971	.823	7383.13
To		Premium collected			Tk.42,003.053

We know that,

med (a) holder

Value of Daim

58000

10000

25000

96000

50000

9000