

DEPARTMENT OF STATISTICS
UNIVERSITY OF KARACHI
ACT-316 FUNDAMENTAL OF INSURANCE MATHEMATICS
QUIZ-1

Duration: 1 hours

Country	Year	Estimated mid year population	Number of deaths
Aregentina	1990	32322000	295796
Brazil	1989	147404000	1,164452
Colombia	1990	328987000	201,166
Costa Rica	1991	3064000	12,452
Mexico	1991	87836000	500,615

Q-1 Above table gives the total number of deaths in certain years,together with the estimated mid year population for those years,for certain countries in Latin America .use them to calculate the crude death rate for each of these countries .

Age group	males			
	Mid-year Population	Number of deaths	Females	Number of deaths
1-4	1422	1637	1380	1,325
5-14	3062	1390	2968	920
15-24	2430	2816	2318	1,437
25-44	4101	9690	4023	5942
45-64	2755	36581	2753	18535

Q-2 Above table gives the estimanated mid-year population in certain age group,together with the number of deaths to people in those age group, for males and females in Argentina in 1986.use them to calculate age specific date rates for two sexes .