# LIST OF TABLES

Table		Page	NO.
1.	Changes in body composition during the last trimester of fetal growth.	•• ••	8
2.	Comparison of composition of fetal serum with maternal serum.	•• ••	9
3.	Distribution birth weights in lower and upper classes.	•• ••	2-3
4.	Prostaglandian Synthetic Pathways in blood vessels and platelets.	5 • •	46
5.	Subjects investigated in the high & low income groups a) Mothers, b) Infants.	••	66
6.	Adult men and women investigated in the high and low income groups.	••	67
7.	Reagent and standards used for bioche- mical determinations.	••	71
8.	Biochemical parameters used in the investigations.	•• ••	83
9.	The major components in the diet consumed in different regions.		90
10a.	Mean per capita food consumption per day of the major foods in three regions.	••••	91
10b.	Nutritive value of the diets consumed in the three regions in high (HIG) and low (LIG) income groups.		92
11.	Contribution of calories from tapioca to the total diet in high (HIG) and low (LIG) income groups in Trivandrum.	•• ••	94
12.	Typical meal pattern in different income groups in Trivandrum.	•• ••	96
13.	Frequency distribution for the amounts of critical foods consumed by high (HIG) and low (LIG) income groups.	i •• ••	98-99

## List of Tables (contd..)

14.	Pregnant and parturiant women investigated	•• ••	104
15.	Maternal weight loss during parturation and infant birth weights in high (HIG) and low (LIG) income groups.	i •••••	105
16.	Blood hemoglobin levels during different stages of gestation and post-partum in high (HIG) and low (LIG) income groups in Trivandrum.	••••	107
17.	Changes in hemoglobin values g/dl in pregnant women	•• ••	109
18.	Percentage of low and deficient hemo- globin values according to ICNND norms.	0	11)
19.	Changes in serum lipids (mg/dl) with progress of gestation in high (HIG) and low (LIG) income groups in Trivandrum		115
20.	Distribution of triglyceride levels (g/dl) at different stages of gestation in high (HIG) and low (LIG) income groups.	•• ••	119
21.	Distribution of serum cholesterol levels (mg/dl) at different stages of gestation in high (HIG) and low (LIG) income groups.	• • • •	123
22.	Percentage contribution of different lipid components during gestation and post-parture		125
23.	Serum cholesterol (mg/dl) levels of mother, and infants in relation to age and growth status.	s	128
24.	Distribution of post-partum serum lipids (mg/dl) in mothers in relation to infant status.	•• ••	130
25.	Maternal and infant serum cholesterol levels (mg/dl) in relation to birth weight.	•• ••	132
26.	Cord and maternal serum cholesterol levels of infants in relation to birth weight and gestational age in low and high income groups (Baroda	••••	133

#### List of Tables (Contd..)

27.	Birth weights and serum cholesterol levels of infants in relation to maternal cholesterol levels.	£	134
28.	Cord serum cholesterol and birth weight in relation to maternal serum cholesterol in low (LIG) and high (HIG) income groups.	•• ••	136
29.	Changes in serum vitamin E (mg/dl) at different stages at gestation and post-partum in high (HIG) and low (LIG) income groups.	•• ••	139
30.	Distribution of serum vitamin E levels at different stages of gestation and post-partum in high (HIG) and low (LIG) income group.	••••	141-142
31.	Changes in serum magnesium levels (mg/dl) with the progress of gestation (HIG, LIG groups)		146
32.	Occupation of subjects studied.	•••••	150
33.	Body weight (kg) and height of adult men at different ages and income groups.	•• ••	152
34.	Body weights and heights of adult women at different ages and income groups.		153
35.	Ratio at weight (kg)/height (cm) in adult men and women at different ages.	••••	155
36.	Somatic measurements (cm) of adult men and women (Chest, Abdomen and Mid-arm circumference).	·· · ·	157-159
37.	Mid-arm circumference (cm) in relation to body weight.	•• ••	16)
38.	Blood glucose levels (mg/dl) in adult men and women at different ages.	•• ••	163
39.	Frequency distribution of fasting blood glucose levels in different age groups.	•• ••	164
40.	Chi-square analysis of blood glucose levels for different groups.	· • • • •	166

### List of Tables (Contd...)

41.	'p' values for $\chi^2$ between blood glucose levels and weight/height index in different groups.	•• ••	16 <b>%</b>
42.	Serum cholesterol levels (mg/dl) in adult men and women at different ages.	•• ••	172
43.	Values for serum cholesterol for different groups as per cent of those for the group specified.	•• ••	173
44.	Serum phospholipid levels (mg/dl) in adult men and women at different ages.	••	1778178
45.	Ratio of phospholipid to cholesterol (P/C) at different ages.		179
46.	Serum triglyceride levels (mg/dl) in adult men and women at different ages.		1818182
47.	Percentage contribution of different serum lipids to the total lipid in adult men and women at different ages.	•• ••	183
48.	Significance of differences in 2 between different groups.		184
49.	Serum lipid levels (mg/dl) in relation to frequency of coconut oil intake.		186
50.	Pattern of fish, egg and flesh food consumption in high income groupin Kerala.	• • • •	188
51.	Serum cholesterol levels (mg/dl) with the frequency of consumption of non-vegetarian foods in HIG.	•• ••	189
52.	Percentage of subjects with serum choles- terol levels 225 mg/dl in different groups.	* * * .*	191
53.	Serum cholesterol level (mg/dl) in relation to body weight (kg) in different groups.	••	193

# List of Tables (Contd...)

54.	Serum triglyceride level (mg/dl) in rela-		
	tion to body weight (kg) in different groups.	•• ••	194
55.	Serum magnesium level (mg/dl) in adult men and women at different ages.	** **	197
56.	Frequency distribution of serum magnesium levels (mg/dl) in adult in Trivandrum (Kerala).	•• ••	199
57.	Mean serum cholesterol levels (mg/dl) in relation to serum magnesium (mg/dl) levels.	•• ••	201
58.	Mean serum cholesterol level (mg/dl) in relation to serum magnesium (mg/dl) level in different groups above 50 years of age.	•• ••	202
<b>59.</b>	Analysis of variance and covariance to find the effect of age and income status on serum cholesterol in the presence of Mg. (Males)		203
60.	Analysis of variance and covariance to find the effect of age and income status on serum cholesterol in the presence of Mg. (Females)		204