

<b>CSM – 36/18</b>
<b>Home Science</b>
<b>Paper – I</b>

*Time : 3 hours*

*Full Marks : 300*

*The figures in the right-hand margin indicate marks.*

*Candidates should attempt Q. No. 1 from Section – A and Q. No. 5 from Section – B which are compulsory and three of the remaining questions, selecting at least one from each Section.*

**SECTION – A**

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1. Answer any three of the following :
  - (a) Explain the classification, sources, functions, requirement and deficiencies of proteins. 20
  - (b) Explain the causes, symptoms and principles of dietary management of diabetes mellitus. 20
  - (c) Explain the importance, composition and nutritive value of Pulses and fleshly foods (meat, fish, poultry and egg). 20

- (d) Define BMR. Explain the methods of assess the BMR and factors affecting BMR. 20
2. (a) Explain the factors to be considered in planning therapeutic diets and dietary management for nephritis and liver cirrhosis.
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- (b) Discuss, in detail, the role of Codex Alimentarius, Bureau of Indian Stanards (BIS) and Agmark, in controlling the food quality in India. 30
3. (a) Write a detailed account on digestion, absorption and metabolism of Carbohydrates and fat. 30
- (b) Explain the causes and affect of malnutrition on the vulnerable section of the society and the role of UNICEF, FTRI, ICDS and NIN in combating malnutrition. 30
4. (a) Discuss food poisoning and the adulterants used in foods associated with health hazards and the different methods used for detecting the Adulterants. 40

- (b) Explain, in detail, the causes of food spoilage and food contamination. 20

**SECTION – B**

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5. Attempt any **three** sub-questions from those given below :

(a) Enumerate the role of genetic and environment factors affecting human development. 20

(b) Write, in detail, about Piaget's stages of development. 20

(c) What do you understand about 'Personality Development' ? 20

(d) How will you manage the exceptional children ? 20

6. What are the notable physical changes and development in adolescent group of both sexes ? And give a detailed picture on their emotional changes. 60

7. Write, in detail, about various problems encountered at each stages of family cycle and how will you solve the marital problems. 60

8. (a) How the problems faced by women, for eg, in case of dowry, divorce and employed could be managed ? 45

(b) Write, in detail, about family relationships. 15

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