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**POST GRADUATE CERTIFICATE / DIPLOMA
IN PEDIATRIC NUTRITION
(PGCPDN/PGDPDN)**

Term-End Examination

June, 2016

**MFN-022 : CHILDHOOD NUTRITION : IN
HEALTH AND DISEASE**

Time : 3 hours

Maximum Marks : 100

Note : (i) Attempt five questions in all.

(ii) All questions carry equal marks.

1. A four year old girl, presented with loss of appetite, fatigue and weight loss for the past few months was admitted to a hospital. On examination she had jaundice, hepatosplenomegaly, ascites and fluid retention (oedema) and swelling in the ankles. She has diagnosed with liver cirrhosis with malnutrition. Present the dietary guidelines and recommendations for nutritional therapy for the girl, that you would advocate. 20

2. Explain the following briefly (150 words only) : 6+8+6
 - (a) Relationship between low birth weight with body fatness in adulthood.
 - (b) Risk factors responsible for childhood over weight/obesity.
 - (c) Magnitude and prevalence of undernutrition among children in India.

3. To showcase the Governments effort to combat nutrient deficiency disorders among vulnerable sections, present the combination of strategies implemented for the following : 10+10
- (a) Prevention and control of Iodine Deficiency Disorder
 - (b) Prevention of Iron Deficiency Anaemia
4. As a pediatric nutritionist, specializing in management of renal disorders, you are required to train fresh interns in the Renal department. Explain the dietary considerations, nutrition requirement you would advocate for chronic kidney disorders (CKD). Present a summarized guideline for nutritional care of children suffering with CKD. 20
5. "Providing nutritional support system for critically ill children is vital". Justify the statement highlighting the methods used, the nutritional composition and the advantages and limitations of the two nutritional support systems used for critically ill children. 10+10
6. Indicate the disease condition wherein the following dietary management is advocated :
- (a) Ketogenic diet 4+4+4+4+4
 - (b) Methionine restricted diet
 - (c) Gluten-free diet
 - (d) Elimination of milk and milk products. Elaborate (in 100 words each) the recommendations, do's and don't's you would advocate for each of these conditions.
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