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15116

3 Hours / 100 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
- (2) Answer each next main Question on a new page.
- (3) Illustrate your answers with neat sketches wherever necessary.
- (4) Assume suitable data, if necessary.
- (5) Use of Non-programmable Electronic Pocket Calculator is permissible.
- (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

1. **Attempt any TEN of the following:** **20**
- a) Define balanced diet. Give one example for body building food.
- b) Write the importance of meal exchange list.
- c) Enlist the different types of surgeries.
- d) Write the formula for BMI and what is the normal range of BMI?
- e) What are the different types of gall stones?
- f) Write any four good dietary sources of folic acid.
- g) What is the fluid recommendation for dialysis patients whose urine output is less than 500 ml?

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- h) What is the protein recommendation for a renal failure patient?
- i) Name two substitutes for milk in a case of Lactose intolerance.
- j) Write the prescription for fat in a case of gall bladder removal.
- k) Write the sources of trans fatty acids.
- l) Write four examples for clear liquid diet for a case of fever.
- m) Write four rich sources of saturated fat.
- n) Write the protein prescription for a patient of 3° burn.

**2. Attempt any FOUR of the following:**

**16**

- a) Explain about soft diet and liquid diets.
- b) Explain the link between malnutrition and liver diseases.
- c) Explain the role of fiber, low carbohydrate diet in controlling diabetes mellitus with examples.
- d) A man's sodium requirement is 2400 mg. Sodium obtained from food is 450 mg. Calculate the amount of salt that he can consume. Write four good dietary sources of Potassium.
- e) What is the role of micronutrients in diabetes Mellitus?
- f) What are the common foods that can cause allergic reactions in children and in adults?

**3. Attempt any FOUR of the following:****16**

- a) Elaborate on food intolerance.
- b) Write a breakfast item which is rich in folic acid and vit C and write the nutritive value.
- c) Why is sodium intake important in CVD's (Cardiovascular diseases)? Explain the foods to be avoided when consuming a low sodium diet.
- d) What are the nutritional problems present in HIV infected patients? Explain.
- e) Enlist the functions of cholesterol. What is the maximum limit for dietary intake of cholesterol?
- f) Write the table of foods included / excluded for a diabetic patient who is not on medication.

**4. Attempt any TWO of the following:****16**

- a) Plan a day's menu for an obese nonvegetarian male patient aged 40 years whose height 5'10" weight 98 kg who does not exercise. Pasta is his favourite dish.
- b) Explain the dietary management of hepatic Encephalopathy.
- c) Explain the dietary guidelines to be followed for a renal calculi patient.

**5. Attempt any TWO of the following:****16**

- a) Plan 1200 k.cal liquid diet for a oral cancer patient who is Maharashtraian aged 45 years (IBW = 52 kg).
- b) Write in detail about Nutritional care for a post transplant patient.
- c) Write 1 protein rich snack and give the nutritive value. What are the reasons for increased serum potassium in renal failure patients?

**6. Attempt any FOUR of the following:****16**

- a) What education you would like to give for a diabetic patient who is dependant on insulin?
  - b) Explain the dietary modification for Esophagitis.
  - c) What are the nutritional challenges of a person suffering from cancer of the stomach?
  - d) Explain about the dietary management of hepatitis.
  - e) What are the causes of increasing CVD (Cardiovascular diseases)? Explain.
  - f) What is ORS? What is its composition?
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