

**Govt. M.H. College of Home Science & Science for women, Autonomous  
Jabalpur M.P.**

**Code No. OBS/101/ND/2020**

**PG Diploma Main Examination September 2020**

**Subject : - Nutrition and Dietetics**

**Paper-I : Physiology**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1 Write about muscular system, types of muscles and their characteristics?**
- Q.2 Draw a well labeled diagram of digestive system and explain the digestion of carbohydrate and protein in detail?**
- Q.3 Draw a labeled diagram of excretory system and explain in detail about the formation of urine.**
- Q.4 Explain female reproductive system in detail and write about puberty, menstrual cycle, conception and implantation.**
- Q.5 Explain the structure and functions of ear and eye and write the defects of eye.**



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**Code No. OBS/102/ND/2020**

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**Subject : - Nutrition and Dietetics**

**Paper-II : Biochemistry and Microbiology**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1    What is cellular metabolism, explain in detail glycolysis & Krebs's cycle and its regulation with the help of energetics?**
- Q.2    Write about different types of lipoproteins with their biochemical importance and explain about the  $\beta$ -oxidation of fatty acids?**
- Q.3    Write about amino acid pool, oxidative deamination, transamination and Urea cycle.**
- Q.4    Write in detail about the hormones secreted by anterior pituitary.**
- Q.5    Write about the cleaning methods in detail and explain different methods of solid waste disposal.**



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**Subject : - Nutrition and Dietetics**

**Paper-III : Basic and Normal Nutrition**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1 Write the composition, classification and sources of proteins and describe the protein deficiency.**
- Q.2 Write the sources, functions and deficiency of water soluble vitamins in detail.**
- Q.3 Explain milk and milk products under the following headings-**
- **Composition**
  - **Classification**
  - **Processing**
  - **Nutritional aspects**
  - **Storage**
- Q.4 Explain the Basic principles of Meal Planning in detail.**
- Q.5 Write an Essay on “The Role of Breast feeding in the growth and development of Infants”.**



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**Subject : - Nutrition and Dietetics**

**Paper-IV : Diet Therapy**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1 Describe the principles and process of Nutritional care in detail.**
- Q.2 Write about modes of feeding?**
- Q.3 Write the causes, pathogenesis, symptoms and dietary management of Atherosclerosis. Give a brief description of types of cholesterol.**
- Q.4 Describe the pancreatic disfunctions with the types of treatment used.**
- Q.5 Describe the Acute and Chronic Renal Failure under the following headings.**
- Etiology**
  - Symptoms**
  - GFR**
  - Nutritional Care and Management**



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**Subject : - Nutrition and Dietetics**

**Paper-V : Food Service Management**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1 Define organization and its types and explain the objectives of different food service organization?**
- Q.2 Explain purchasing, receiving and storage of food with example?**
- Q.3 Write in detail about the conventional, and commissary, food service management.**
- Q.4 “Recruitment is the process of attracting qualified candidates for the purpose of filling vacant positions in an establishment” discuss?**
- Q.5 Explain the principle and advantages of book keeping with types and suitable examples?**



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**Subject : - Nutrition and Dietetics**

**Paper-VI : Public Nutrition**

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**Maximum Marks : 100**

**Note : Attempt all questions. (Minimum 500 words)**

**All questions carry equal marks.**

- Q.1 Define Demography. Explain Demographic cycle in detail.**
- Q.2 Explain 24 Hour dietary recall method in detail.**
- Q.3 Write down objectives and implementation of ICDS programme in detail.**
- Q.4 What are the different methods of Nutrition Education? Explain any one method in detail.**
- Q.5 Discuss primary health care at village level and write about primary Health centres.**

