

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

**Code No. OBS/401/FN/2020**

**M.Sc. IV Semester Main & ATKT Examination September 2020**

**Subject : Food and Nutrition**

**Paper - I : Health and Fitness**

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**Maximum Marks : 35**

**Note : Attempt all questions in about 250 to 300 words.  
All questions carry equal marks.**

- Q.1 Explain compositional changes between birth and maturity.**
- Q.2 What is the importance of sports drinks and diet manipulation of all athlete? Describe pre game and post game meal.**
- Q.3 Explain Polyphenols and Cynogenic compounds.**
- Q.4 Write an essay on space nutrition.**
- Q.5 Discuss about the prevention and dietary management of cancer.**



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**Paper II : Clinical and Therapeutic Nutrition**

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**Maximum Marks : 35**

**Note : Attempt all questions in about 250 to 300 words.**

**All questions carry equal marks.**

- Q.1     Discuss the pathogenesis, causes, symptoms and dietary management of cirrhosis?**
- Q.2     Discuss the causes, types, assessment and dietary management of obesity.**
- Q.3     What are the stages of development of coronary heart disease?  
Discuss the nutritional aspect of atherosclerosis.**
- Q.4     Explain the progression of nephrotic syndrome with the help of flow diagram and its characteristics and nutritional care for the same.**
- Q.5     Write a note on Radiation and chemotherapy on nutritional status of cancer patient?**



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**Paper III : Food Science and Current Trends**

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**Maximum Marks : 35**

**Note : Attempt all questions in about 250 to 300 words.  
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- Q.1 Write in detail about leavening agents.**
- Q.2 Explain composition of milk. Describe physical and functional properties of milk.**
- Q.3 Describe structure and composition of Egg. Write about various uses of egg in food preparation.**
- Q.4 Explain five functional properties of fats. Write about various uses of fat in cookery.**
- Q.5 What do you mean by “organic food”? Discuss in detail about organic foods.**



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**Paper IV : Nutrition and Health of Women, Child & Elderly**

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**Maximum Marks : 35**

**Note : Attempt all questions in about 250 to 300 words.**

**All questions carry equal marks.**

- Q.1 (i) Discuss physiological changes during pregnancy.  
(ii) Explain nutritional requirements for pregnant woman.**
- Q.2 Discuss dietary management of “Low Birth Weight Infants” and write about problems of preterm babies.**
- Q.3 What are the different “Theories of Ageing”? Explain “Free Radical Theory” in detail.**
- Q.4 Describe special problems of Elderly women with special reference to “Osteoporosis”.**
- Q.5 What are chronic degenerative diseases? Explain causes, symptoms and treatment of diabetes.**

