UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020

Course: Research Methodology   **Semester: II**nd

Program: B.Sc. (Food, Nutrition and Dietetics)   **Time 03 hrs.**

Course Code: HSCC_1011   **Max. Marks: 100**

Instructions: Read the paper carefully. All sections are compulsory

S. No.	All questions should map all the COs in course and ensure equal number of questions for each CO.	Marks	CO
Q 1	What are the procedural steps in research?	4	CO1
Q 2	Write about different types of random sampling designs.	4	CO1
Q 3	What is Nutrition research methodology?	4	CO1
Q 4	What is the difference between Primary and Secondary data?	4	CO1
Q 5	Write about core elements of anthropometry testing.	4	CO2
Q 6	Explain the different types of research in brief.	4	CO2
Q 7	What do you mean by sample?	4	CO2
Q 8	What are ideal characteristics of a sample?	4	CO2
Q 9	Define the term Research according to WHO.	4	CO2
Q 10	In brief explain different methods for the collection of primary data.	4	CO3
Q 11	What is the use of Biobank in nutrition studies?	4	CO3
Q 12	What parameters are consider for including different population groups in nutrition research?	4	CO3
Q 13	What are the different types of biomarkers?	4	CO3
Q 14	What are the fundamental principles of nutrition research methodology?	4	CO3
Q 15	What are the features of a good research design?	4	CO4
Q 16	Explain in brief about Nutrient –Gene interaction.	5	CO4
Q 17	Explain the different methods for assessing nutritional status and body composition of the individual.	5	CO4

Q 18	Government has given you funding to make nutritional products for a small village in Kandoli. You want to analyze the nutritional status of the people in this village. Prepare a questionnaire for the same. (Keeping in mind different factors due to which there is a difference in nutritional requirements).	**15**	**CO1**
Q 19	You are a registered dietician and has been appointed as a dietician for a celebrity Deepika Padukone. She is having a very tight schedule and due to which she had been missing many meals. From her previous dietician you get to know that due to high work stress and sleeplessness she also have some symptoms of depression. To give her the best nutritional diet you want to know her present nutritional status. According to you what is the best way to know this - interview, questionnaire, sociometry or anthropometry (you can use multiple methods). Support your answer with any of the above one/two techniques. Discuss in detail how you will implement these techniques to understand her nutritional requirements.	**15**	**CO5**