SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc.(FSND) - END SEMESTER EXAMINATIONS APRIL - 2023
SEMESTER - II
20PNDCT2006 - Nutritional Biochemistry

Total Duration : 2 Hrs. 30 Mins. Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Discuss the main function of the Electron Transport Chain process.
2. Write a short note on the biological role of free radicals.
3. Outline the regulated steps involved in the glycolysis.
4. Briefly explain the hormonal regulation of blood glucose.
5. Give the classification and properties of amino acids.
6. What are the significant functions of fatty acids in the body?
7. Explain the role of hormones in the regulation of metabolism.
8. What are the components and functions of nucleic acids?

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks)

9. Illustrate the role of antioxidants on health and age related diseases in aging.
10. Elaborate on the ATP production and hexose monophosphate shunt.
11. Discuss in detail about the protein biosynthesis and its stages.
12. Outline the classification and formation of lipoproteins.

II - Compulsory question $(1 \times 10 = 10$ Marks)

13. Enumerate on the role of nutrigenomics and its significance.

******

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc.(FSND) - END SEMESTER EXAMINATIONS APRIL - 2023
SEMESTER - II
20PNDCT2006 - Nutritional Biochemistry

Total Duration : 2 Hrs. 30 Mins. Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Discuss the main function of the Electron Transport Chain process.
2. Write a short note on the biological role of free radicals.
3. Outline the regulated steps involved in the glycolysis.
4. Briefly explain the hormonal regulation of blood glucose.
5. Give the classification and properties of amino acids.
6. What are the significant functions of fatty acids in the body?
7. Explain the role of hormones in the regulation of metabolism.
8. What are the components and functions of nucleic acids?

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks)

9. Illustrate the role of antioxidants on health and age related diseases in aging.
10. Elaborate on the ATP production and hexose monophosphate shunt.
11. Discuss in detail about the protein biosynthesis and its stages.
12. Outline the classification and formation of lipoproteins.

II - Compulsory question $(1 \times 10 = 10$ Marks)

13. Enumerate on the role of nutrigenomics and its significance.

******