

# ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

## Department of Nutrition

2<sup>nd</sup> Year: Semester IV

(SH/NUT/401/C-8) Core 8, (SH/NUT/403/C-10) Core 10

**Nutritional Biochemistry II, Diet Therapy II**

**Credit- 06 Full Marks: 50 Classes: 60 (Lecture) + 15 (Tutorials)**

**Subject Teacher- Tultul Chowdhury**

### SYLLABUS UNITIZATION

Month	Week	Portion
March,2023	2	C8T8 Basic concept of Nucleic acids and its type. C10T10 Introduction about anemia , nutritional anemia and its classification.
	3	C8T8 Structure of nucleotides , nucleosides. Concept of DNA , double helical structure of DNA. C10T10 Iron deficiency anemia and its pathogenesis.
	4	C8T8 Concept of RNA, types of RNA. Structure and function of mRNA. C10T10 Dietary management of iron deficiency anemia.
	5	C8T8 Structure and function of rRNA and tRNA. C10T10 Pathogenesis and dietary management of B12 deficiency anemia.
April, 2023	1	C8T8 Revision and class test . C10T10 Pathogenesis and dietary management of megaloblastic anemia.
	2	C8T8 Replication of DNA,Central dogma of life. C10T10 revision and class test.
	3	C8T8 Transcription of mRNA . C10T10 Introduction about CVD, etiology of heart disease.

	4	C8T8 Translation of mRNA and protein synthesis. C10T10 Etiology of atherosclerosis, symptoms and risk factors.
May, 2023	1	C8T8 Revision and class test. C10T10 Lifestyle modification and dietary management of atherosclerosis.
	2	C8T8 Biochemical role of vitamin B1 and B2. C10T10 Hypertension, types, causes, symptoms and dietary management.
	3	C8T8 Biochemical role of niacin and folic acid C10T10 Dyslipidemia, types, causes, symptoms and dietary management
	4	C8T8 Biochemical role of vit B12 and vit C C10T10 Ischemic Heart Disease.
	5	Revision and class test of C8T8 and C10T10
June, 2023	1	C8T8 Biochemical role of Ca C10T10 Viral hepatitis, types, causes, symptoms and dietary management
	2	C8T8 Biochemical role of Magnesium. C10T10 Cirrhosis of liver.
	3	C8T8 Biochemical role of iron and zinc. C10T10 Cholelithiasis, Liver Function Test.
	4	Revision of previous classes and Class test.
	5	Study Leave.