Sl.No. M21241 Course Code: 2710104

VINAYAKA MISSION'S RESEARCH FOUNDATION (Deemed to be University), SALEM

DIPLOMA IN PHARMACY EXAMINATION –October 2021 First Year

BIOCHEMISTRY AND CLINICAL PATHOLOGY

Time: Three hours Maximum: 80 marks

Answer **Any EIGHT** questions only
All questions carry equal marks
Draw Neat, Labelled Diagram wherever necessary.

 i) Define and explain the various types of Glycosuria. ii) Identification test for reducing sugar in urine. Elaborate the structure of protein. Write a test to identify i) Ketone bodies ii) Bile salts iii) Blood iv) Bile pigments in urine Write the source , daily requirements functions and deficiency disease of Vitamin – C.			
 Elaborate the structure of protein. (10) Write a test to identify i)Ketone bodies ii) Bile salts iii)Blood iv) Bile pigments in urine Write the source, daily requirements functions and deficiency disease of Vitamin – C. (2+2+3+3 = 10) Explain the various factors affecting enzymes. (10) Define and classify minerals with examples. (2+5+3) Elaborate phospholipids and Homopolysaccharide. (5+5) Explain the chemistry of Vitamin – D. (10) Write a note on abnormalities of WBC and Platelets. Explain i) Obesity ii) Atherosclerosis (5+5) 	1. i) Define and explain the various types of Glycosuria.		(2+3)
3. Write a test to identify i)Ketone bodies ii) Bile salts iii)Blood iv) Bile pigments in urine 4. Write the source, daily requirements functions and deficiency disease of Vitamin – C. (2+2+3+3 = 10) 5. Explain the various factors affecting enzymes. (10) 6. Define and classify minerals with examples. (2+5+3) 7. Elaborate phospholipids and Homopolysaccharide. (5+5) 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5)	ii) Identification test for reducing sugar in urine.		(5)
i)Ketone bodies ii) Bile salts iii)Blood iv) Bile pigments in urine 4. Write the source, daily requirements functions and deficiency disease of Vitamin – C. (2+2+3+3 = 10) 5. Explain the various factors affecting enzymes. (10) 6. Define and classify minerals with examples. (2+5+3) 7. Elaborate phospholipids and Homopolysaccharide. (5+5) 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5)	2. Elaborate the structure of protein.		(10)
 Write the source, daily requirements functions and deficiency disease of Vitamin – C. (2+2+3+3 = 10) Explain the various factors affecting enzymes. (10) Define and classify minerals with examples. (2+5+3) Elaborate phospholipids and Homopolysaccharide. (5+5) Explain the chemistry of Vitamin – D. (10) Write a note on abnormalities of WBC and Platelets. Explain i) Obesity ii) Atherosclerosis (5+5) 	3. Write a test to identify		
Vitamin – C. (2+2+3+3 = 10) 5. Explain the various factors affecting enzymes. (10) 6. Define and classify minerals with examples. (2+5+3) 7. Elaborate phospholipids and Homopolysaccharide. (5+5) 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5)	i)Ketone bodies ii) Bile salts iii)Bloo	d iv) Bile pigments in urine	
 5. Explain the various factors affecting enzymes. (10) 6. Define and classify minerals with examples. (2+5+3) 7. Elaborate phospholipids and Homopolysaccharide. (5+5) 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5) 	4. Write the source, daily requirements functions and deficiency disease of		
 6. Define and classify minerals with examples. (2+5+3) 7. Elaborate phospholipids and Homopolysaccharide. (5+5) 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5) 	Vitamin – C. $(2+2+3+3 =$		3+3=10
 Elaborate phospholipids and Homopolysaccharide. (5+5) Explain the chemistry of Vitamin – D. (10) Write a note on abnormalities of WBC and Platelets. Explain i) Obesity ii) Atherosclerosis (5+5) 	5. Explain the various factors affecting enzymes.		(10)
 8. Explain the chemistry of Vitamin – D. (10) 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5) 	6. Define and classify minerals with examples.		+5+3)
 9. Write a note on abnormalities of WBC and Platelets. 10. Explain i) Obesity ii) Atherosclerosis (5+5) 	7. Elaborate phospholipids and Homopolysaccharide.		(5+5)
10. Explain i) Obesity ii) Atherosclerosis (5+5)	8. Explain the chemistry of Vitamin – D.		(10)
	9. Write a note on abnormalities of WBC and Platelets.		
****	10. Explain i) Obesity ii) At	therosclerosis	(5+5)
	****	:	