



SEQ 5th module
FIRST YEAR MBBS

Dated : 03.08.20

Total marks: 70

Time Allowed: 2½ Hours

1. A. Give nutritionally essential micro-minerals with their one function 5
B. Define factors which affect the absorption of Calcium from Gut 5

2. A. What is the function of Cyclic AMP 2
b. What are major classes of RNA. 3
c. Write down characteristic features of any two classes 5

3. A. Define Nucleotides and Nucleosides, with two functions of Nucleotides 5
b. D/D of DNA & RNA (five major differences) 5

4. a. What are Nucleic acids? Write briefly vital role played by Nucleic acids (specifically DNA) 5
b. What is enzymatic hydrolysis, exonucleosis and endonucleosis 5

5. A 27 year old female non-pregnant presents with history of fatigue from last 3 months, progressive weakness and light-headache. Her Hb 7.1gm/dl, hct 23%, wbc 5,000mm³.
a. What is possible diagnosis. 2
B. What is normal Hb level. 3
C. Write Causes of decrease Hb level. 5

6. A 35 year old female present with anterior neck swelling. She has Unexpected weight gain. Also complain of fatigue and weakness feeling of cold and trouble in remembering.
a. Name the disease? 2
B. Which mineral deficiency cause it? 2
C. Write clinical sign and symptoms of hyperthyroidism and hypothyroidism 6

- Q7. A 40 year old patient came with complain of tingling and numbness of hands and fingers and muscles cramps. Also have poor appetite and anxiety.her nails are weak...
A.What is possible diagnosis? 2
B. What are Causes of this disease ? 3
C. Write down its treatment and prevention for it?

- Q 8. A mother presents with her 1 year old child, with complain of poor feeding and past history of on/off diarrhea.
On clncal examination child has delayed anterior fontella closure and anterior head is large than normal.
His wrist joints are wide . Abdomen is protruded.
a. What is possible diagnosis 2
b. What are causes of it 3
c. What is its treatment 5

