



Exam Booklet

- This exam consists of 3 questions in 3 pages.
- All questions should be answered.
- The questions must be answered in the space provided in the exam booklet.

Examination committee

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Question (I):

(12 Marks)

Select and answer the most appropriate answer or completion :

1- The increases of ketogenesis will occur in all the following conditions, *Except*-

- a- Starvation.
- b- Diabetes mellitus.
- c- Carbohydrate poor diet
- d- High protein diet.

2- All the following are plasma, *Except*-

- a- Casein
- b- Albumin
- c- Globulin
- d- **Fibrinogen.**

3- Pellagra may result from the deficiency of the following, *except*:

- a- Niacin.
- b- Pyridoxal phosphate
- c- Biotin.
- d- Tryptophan

4- Milk is the richest source of

- a- Calcium
- b- Phosphorus
- c- vitamins A and B.
- d- All of the above.

5- Iron does not supply the baby needs, but it is

- a- more in human milk than in animal milk.
- b- more in animal milk than in human milk.
- c- Present in human milk not in animal milk.
- d- Present in animal milk not in human milk.

6- Which of the following vitamins acts as antioxidant.

- a- Vitamin C
- b- Vitamin A
- c- Vitamin E
- d- All of the above

7- What is a carbohydrate commonly present in dairy products?

- a- Maltose
- b- Isomaltose
- c- Lactose
- d- Sucrose



8- Which of the following vitamin was produced from intestinal flora:

- a- Vitamin C
- b- Vitamin A
- c- Vitamin E
- d- Vitamin K

9- All the following are abnormal derivative of hemoglobin, *Except:-*

- a- Carboxhemoglobin.
- b- Sulfhemoglobin.
- c- Fetal hemoglobin
- d- Met-Hemoglobin .

10- Which of the following vitamin is anti-night blindness:-

- a- Vitamin C
- b- Vitamin A
- c- Vitamin E
- d- Vitamin K

11- Which of the following is milk proteins?

- a- casein
- b- albumin
- c- globulin
- d- All of the above.

1	2	3	4	5	6
7	8	9	10	11	

Question (II):

(10 Marks)

Put (T) for true statements and (F) for false statements.

- 1- Casein is a phosphoprotein of high biological value.
- 2- Vitamin D-deficiency lead to osteoporosis in adults.
- 3- Photo-therapy can be used in treatment neonatal jaundice.
- 4- Lactase deficiency lead to diarrhea and abdominal cramps.
- 5- Fructose is the major energy source for spermatozoa in the seminal vesicle.
- 6- All vitamin are insoluble in water and not stored.
- 7- Hematin is hemoglobin without iron.
- 8- Neonatal jaundice is due to low level of UDP-glucuronyl transferase enzyme.



9- Lactose is milk carbohydrate and it is more in human than in animal milk.

10- Fructose is the major energy source for spermatozoa in the seminal vesicle.

1	2	3	4	5	6	7	8	9	10

Question (III):

(4 Marks)

Match the number and the lettered items as they best fit together :-

1- Mature milk

2- Witch's milk

3- Aqueous humor

4- Night blindness

a- watery fluid that fills the anterior and posterior chamber of the eye.

b- Vitamin A.

c- storage in liver and muscle.

d- secreted by the mammary gland of the infant during the first days of life.

e- secreted during the first year of lactation.

1	2	3	4

With my best wishes ;;;;;;