

- (vii) Choose the correct option. Hemolytic Disease of new born in manifested ?
- a) Mother is Rh Positive, Baby is Rh Negative b) Mother is Rh Positive, Baby is Rh Positive
 c) Mother is Rh Negative, Baby is Rh Positive d) Mother is Rh Negative, Baby is Rh Negative
- (viii) Indicate the correct statement regarding Fischer's 'lock and key' model of the enzyme action -
- a) The active site is complementary in shape to that of substance only after interaction b) The active site is complementary in shape to that of substance
 c) Substrates change conformation prior to active site interaction d) The active site is flexible and adjusts to substrate
- (ix) Indicate the correct option .Preformed Vitamin A is supplied by -
- a) Milk, fat and liver b) all yellow vegetables
 c) all yellow fruits d) leafy green vegetables
- (x) Choose the write answer.Gene expression is activation of a gene to produce a specific
- a) protein b) tRNA
 c) amino acid d) DNA
- (xi) Predict the correct option .Richest source of Vitamin D is-
- a) Fish liver oils b) Margarine
 c) egg yolk d) butter
- (xii) Indicate the correct part of Antigen that reacts with the Antibody :
- a) paratope b) epitope
 c) isotope d) none of these
- (xiii) Indicate the correct one.ABO blood grouping is an example of which reaction:
- a) precipitation b) agglutination
 c) opsonisation d) nutralisation
- (xiv) Choose the correct answer. The pH of blood is
- a) 5.6 b) 2.4
 c) 8.4 d) 7.4
- (xv) Report the correct one :Other than transfusion, when is it necessary to take the rh factor in consideration?
- a) catherization b) Spleen rupture
 c) pregnance d) blood transfusion

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe the term mutarotation. (3)
3. Describe the structure of DNA double helix. (3)
4. Classify the enzymes (3)
5. Show the anticoagulants used to collect blood for transfusion. (3)
6. Explain Beer Lambert's law . (3)

OR

Explain Erythroblastosis fetalis

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Discuss how will you determine blood sugar on colorimeter. (5)
8. Describe polysaccharides with examples. (5)
9. Describe the structure of DNA double helix. (5)

- 10. Illustrate the functions of prostaglandins. (5)
- 11. Appraise the process of the absorption , transport and storage of Vit-B12. (5)
- 12. Formulate the methods of blood collection for transfusion therapy . (5)

OR

How do you manage a Rh negative mother before and after 1st pregnancy (5)
