

**Model Question Paper**  
**Immune System (B) - Part II**  
10th Standard

**Science**

Reg.No. : 

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I. Answer all the questions.

II. Use Blue pen only.

Time : 01:15:00 Hrs

Total Marks : 40

5 x 1 = 5

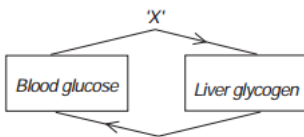
**Section-A**

- 1) One of the means of indirect transmission of a disease is \_\_\_\_\_.  
(a) Sneezing (b) Coughing (c) Through placenta (d) Using utensils of patients
- 2) When antibodies, extracted from other animals are injected into your body, what kind of immunity do you gain?  
(a) Artificially active acquired immunity (b) Artificially passive acquired immunity (c) Naturally active acquired immunity  
(d) Naturally passive acquired immunity
- 3) The first vaccine injected into a just born baby is \_\_\_\_\_.  
(a) Oral polio (b) DPT (c) DPT and Oral polio (d) BCG
- 4) A child eats food rich in carbohydrates and avoids protein in its diet. Which type of nutritional deficiency will affect that child?  
(a) Kwashiorkor (b) Nyctalopia (c) Diabetes (d) Down syndrome
- 5) Assertion (A) Expulsion of excess unused glucose in the blood through urine is observed in a diabetic mellitus person. Reason (R) : insulin is not produced in sufficient quantity by pancreas.  
(a) Both 'A' and 'R' are true and 'R' explains 'A'. (b) Both 'A' and 'R' are true but 'R' doesn't explain 'A'. (c) Only 'A' is true but 'R' is false (d) 'A' is false but 'R' is true

**Section-B**

5 x 2 = 10

- 6) Find the correct statement (True/False): i) Tuberculosis is caused by Mycobacterium tuberculosis bacteria. ii) Typhoid is caused by Trichophyton fungi. iii) Malaria is caused by Plasmodium vivax. iv) Influenza is caused by Entamoeba histolytica protozoan.
- 7) Malarial fever is not caused in a person immediately after introducing the sporozoites by an infected anopheles mosquito. Why?
- 8) Name the stages of Plasmodium. i) introduced by an infected Anopheles mosquito. ii) picked up by Anopheles mosquito from an infected human being.
- 9) Name two diseases that are transmitted by houseflies. Mention their causative pathogens.
- 10) Observe the following flow-chart



Mention the metabolic disorder 'X' and the causative factor from the options given below:

Disorder	Factors
a) Diabetes insipidus	Deficiency of ADH hormone
b) Diabetes mellitus	Deficiency of insulin hormone
c) Coronary heart disease	Blockage of arteries supplying blood to heart muscles
d) Renal failure	Failure of nephrons to filter the blood

**Section-C**

3 x 5 = 15

- 11) Describe the life-cycle of Plasmodium in man.
- 12) List out the various diseases caused due to nutritional deficiency. Add a note on their symptoms.
- 13) Write a detailed note on malaria disease.

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