

I.CHOOSE THE CORRECT ANSWER

(5 X 1 = 5)

1. Pick out a case of healthy state of an individual.

- i) Mr. X does his duty and spends time joyfully.
- ii) Mr. Y takes insulin injection every day.
- iii) Mrs. Z is very depressed.
- iv) Mr. K is recovering from an infectious disease.

2. One of the means of indirect transmission of a disease is _____.

- i) using fomites ii) sneezing iii) coughing iv) through placenta

3. 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.

- i) Both 'A' and 'R' are true but 'R' doesn't explain 'A'.
- ii) Both 'A' and 'R' are true and 'R' explains 'A'.
- iii) Only 'A' is true but 'R' is false.
- iv) A is false but 'R' is true.

4. An example of protozoan infecting our intestine is _____

- i) Plasmodium vivax ii) Trypanosoma gambiense iii) Entamoeba histolytica iv) Taenia solium

5. A child eats food rich in carbohydrates and avoids protein in its diet. Which type of nutritional deficiency will affect that child?

- i) Diabetes ii) Kwashiorkor iii) Nyctalopia iv) Down syndrome

II. WRITE SHORT ANSWER FOR THE FOLLOWING QUESTIONS.

(15 X 2 = 30)

6. A list of disorders is given below. Pick out the odd one out and give reasons.

(Thalassemia, haemophilia, night blindness, albinism, sickle cell anaemia)

7. What are the symptoms of common cold? i) _____ ii) _____

8. Differentiate between the diseases-night blindness and colour blindness.

9. After observing dark patches with itching sensation on the skin of a student in a school hostel, the warden advises his roommates not to share towels, clothes and combs among themselves. Name the disease the student is suffering from and name the causative organisms.

10. Study the following statements and state whether they are **true** or **false**.

- i) Colour blindness is a genetic disorder, whereas night blindness is a nutritional disorder.
- ii) Pernicious anaemia is a nutritional deficiency disease, whereas sickle cell anaemia is a genetic disease / disorder.
- iii) Administering TT injection to an injured child is related to passive artificial immunity, whereas giving BCG vaccine is active artificial immunity.
- iv) Malaria is a bacterial disease, whereas ring worm is a viral disease.

11. Ramya is suffering from bleeding gums and loosening teeth. On diagnosis, it was found to have been caused by vitamin deficiency. Tell Ramya the vitamin that is lacking in her food and the name of deficiency disease she is suffering from. (A) Vitamins (B) Deficiency diseases (C) Symptoms are given.

Match B and C with A:

A	B	C
Vitamins	Deficiency diseases	Symptoms
Vitamin A	Nyctalopia	Night Blindness
Vitamin B ₁	Scurvy	Nervous disorder
Vitamin C	Rickets	Bleeding gums
Vitamin D	Haemorrhage	Defective calcification of bones
Vitamin K	Beri-beri	Profuse loss of blood

12. A health worker advises the people in a locality not to have tattooing done using common needles and to insist the barber to change the shaving razors/ blades in the salon. Name the dreadful disease, the spreading of which, can be prevented by following these measures. Also mention other preventive measures that can be taken with regard to this disease.

13. Match the following:

List I (Disease)	List II (Symptoms)
A. Amoebiasis	I) Chills and high fever recurring for 3 to 4 days
B. Tuberculosis	II) Patches on skin and nails with itching sensation
C. Ringworm	III) Abdominal pain with blood and mucus in stools
D. Malaria	IV) Persistent cough and loss of body weight

14. List out the diseases based on their mode of transmission (water borne, air borne, sexual contact)

- i) cholera ii) typhoid iii) tuberculosis iv) leprosy v) syphilis vi) gonorrhoea vii) pneumonia
viii) common cold ix) amoebic dysentery x) AIDS

15. Name the causative organisms responsible for ring worm in humans? Mention the symptoms of the infection.

16. Pick out the odd ones:

- i) AIDS : Retro virus, lymphocytes, BCG, ELISA
ii) Bacterial disease : Rabies, cholera, common cold, influenza
iii) DPT vaccine : Diphtheria, tuberculosis, pertussis, tetanus
iv) Infective stage of Plasmodium in humans : Sporozoites, merozoites, trophozoites, gametocytes.
v) Mental dimension: brightness of skin, normal metabolism, no black rings around eyes, knows his capacity.

17. Say whether each of the following diseases is a metabolic disorder, a genetic disorder or a nutritional deficiency disease.

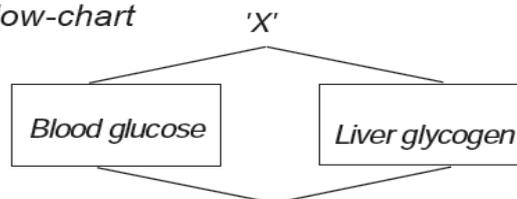
- i) thalassemia ii) beriberi iii) diabetes mellitus iv) bubble boy syndrome v) scurvy vi) marasmus
vii) obesity viii) Alzheimer's disease ix) nyctalopia x) haemophilia

18. 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.

19. Name two diseases that are transmitted by houseflies. Mention their causative pathogens.

20. 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

II. WRITE DETAIL ANSWER FOR THE FOLLOWING QUESTIONS. (3 X 5 = 15)

21. Kala has delivered a baby, i) Suggest the immunization schedule for the baby, in the first six months.

ii) What are the diseases that can be cured as per the schedule?

22. What is immunity? Write a note on the various types of immunity.

23. 15th October is observed as 'Handwashing Day'

i) Tell your friend the effects of hand washing.

ii) How frequently do you wash your hands everyday and when?