

Human Health and Disease

NEET previous year questions · Biology

9 questions from the official papers: NEET 2026 (2), Re-NEET 2026 (4), NEET 2020 (3). Each is followed by its answer and a worked solution written by BrainIt. Generated on 23 October 2026.



BrainIt

The NEET practice app that learns how you practise and tells you what to do next.

PYQs · Mock tests · Revision · Interactive 3D concepts · Analytics

Get it on
Google Play

Download on the
App Store



brainit.pro/app

1. NEET 2026 · Q139

The following are the stages of life cycle of *Plasmodium*. Arrange the stages in the proper order.

Statement I: The parasites reproduce asexually in RBCs, bursting the cells.

Statement II: The parasites reproduce asexually in liver cells, bursting the cells and releasing into blood.

Statement III: Gametocytes develop in RBCs.

Statement IV: Sporozoites reach the liver through the blood.

Statement V: Female mosquito injects sporozoites into humans during bite.

Choose the correct answer from the options given below:

- (1) V, IV, II, I, III (2) I, II, III, IV, V
(3) III, I, II, IV, V (4) V, III, IV, II, I

Answer (1)

Sol. Infection begins when a female *Anopheles* mosquito injects sporozoites into the human during a bite (Statement V).

Sporozoites travel through the blood to the liver (Statement IV).

multiply asexually in liver cells and burst out into the blood (Statement II).

then invade and multiply asexually in red blood cells (RBCs), rupturing them (Statement I).

Finally gametocytes develop in the RBCs (Statement III) to be taken up by the mosquito.

Correct order: V, IV, II, I, III.

2. NEET 2026 · Q151

Match List I (Drug) with List II (Effect) and choose the correct answer from the options given below.

List I	List II
P) Nicotine	I) Causes sense of euphoria and increased energy
Q) Morphine	II) Stimulates adrenal gland to release catecholamines into blood circulation
R) Heroin	III) Effective sedative and painkiller
S) Cocaine	IV) A depressant; slows down body function

- (1) P-III, Q-II, R-IV, S-I (2) P-II, Q-III, R-I, S-IV
(3) P-II, Q-III, R-IV, S-I (4) P-III, Q-II, R-I, S-IV

Answer (3)

Sol. Nicotine stimulates the adrenal gland to secrete catecholamines (P-II), morphine is an effective sedative and painkiller (Q-III), heroin is a depressant that slows body functions (R-IV), and cocaine produces a sense of euphoria and increased energy (S-I). This gives P-II, Q-III, R-IV, S-I, which is option (3).

3. Re-NEET 2026 · Q165

Which of the following are secondary lymphoid organs?

Statement I: Bone marrow

Statement II: Tonsils

Statement III: Spleen

Statement IV: Thymus

Choose the correct answer from the options given below:

- (1) (I) and (II) only (2) (II) and (III) only
(3) (II) and (IV) only (4) (I) and (IV) only

Answer (2)

Sol. Primary lymphoid organs are where lymphocytes are produced and mature - the bone marrow and the thymus. Secondary lymphoid organs are where mature lymphocytes go to meet antigen and mount a response: the spleen, lymph nodes, tonsils, Peyer's patches of the small intestine and the appendix. Tonsils and spleen therefore belong to the secondary group. NCERT Class 12, Human Health and Disease.

4. Re-NEET 2026 · Q171

Colostrum, secreted by mother during initial days of lactation, is abundant in _____.

- (1) IgG (2) IgM (3) IgA (4) IgD

Answer (3)

Sol. Colostrum, the yellowish fluid produced in the first few days after birth, is rich in immunoglobulin A (IgA) antibodies. Because these are ready-made antibodies handed directly to the infant rather than produced by the infant itself, this is a form of NATURAL PASSIVE IMMUNITY, protecting the newborn until its own immune system matures. NCERT Class 12, Human Health and Disease.

5. Re-NEET 2026 · Q177

Which of the following is used as an effective sedative and painkiller for treating post-surgery patients?

- (1) Interferon (2) Antibiotics
(3) Morphine (4) Anti-retroviral drugs

Answer (3)

Sol. Morphine is an opioid extracted from the latex of *Papaver somniferum*. It binds to receptors in the central nervous system and is a very effective sedative and painkiller, which is exactly why it is used for patients recovering from surgery - and also why it carries a high risk of abuse and dependence. NCERT Class 12, Human Health and Disease.

6. Re-NEET 2026 · Q179

Which of the following statements is correct about *Plasmodium*?

- (1) Reproduces sexually in liver cells
(2) Reproduces sexually in RBCs
(3) Gametocytes develop in mosquito gut
(4) Fertilization takes place in mosquito gut

Answer (4)

Sol. The division of labour between the two hosts is the key to this life cycle. In the human, *Plasmodium* multiplies ASEXUALLY - first in liver cells, then in red blood cells, where gametocytes also form. Those gametocytes are taken up when a female *Anopheles* bites; only inside the mosquito's gut do the gametes fuse, so fertilisation and subsequent development

happen there. The mosquito is therefore the definitive host. NCERT Class 12, Human Health and Disease.

7. NEET 2020 · Q22

Match the following diseases with the causative organism and select the correct option.

List I	List II
P) Typhoid	I) <i>Wuchereria</i>
Q) Pneumonia	II) <i>Plasmodium</i>
R) Filariasis	III) <i>Salmonella</i>
S) Malaria	IV) <i>Haemophilus</i>

- (1) P-III, Q-IV, R-I, S-II (2) P-II, Q-I, R-III, S-IV
(3) P-IV, Q-I, R-II, S-III (4) P-I, Q-III, R-II, S-IV

Answer (1)

Sol. Typhoid-*Salmonella*, pneumonia-*Haemophilus*, filariasis-*Wuchereria* and malaria-*Plasmodium* give P-III, Q-IV, R-I, S-II. Chapter: Human Health and Disease.

8. NEET 2020 · Q39

The infectious stage of *Plasmodium* that enters the human body is

- (1) Sporozoites (2) Female gametocytes
(3) Male gametocytes (4) Trophozoites

Answer (1)

Sol. The infectious stage of *Plasmodium* that enters the human body is the sporozoite stage. Sporozoites are transmitted through the saliva of an infected female *Anopheles* mosquito. Chapter: Human Health and Disease.

9. NEET 2020 · Q78

Identify the wrong statement with reference to immunity.

- (1) When ready-made antibodies are directly given, it is called "Passive immunity".
(2) Active immunity is quick and gives full response.
(3) Foetus receives some antibodies from mother, it is an example for passive immunity.
(4) When exposed to antigen (living or dead) antibodies are produced in the host's body. It is called "Active immunity".

Answer (2)

Sol. Active immunity involves the production of antibodies by the host's immune system, which takes time to develop a full response, not immediately. Chapter: Human Health and Disease.

Questions: official NEET papers set by NTA. Solutions: BrainIt. BrainIt is independent and not affiliated with NTA. Online, with every chapter:
brainit.pro/neet/biology/human-health-and-disease/pyq/

AFTER THIS PAPER

Turn this paper into a plan.

BrainIt is a NEET practice app. It learns how you practise and tells you what to do next.

- **PYQs**
Previous-year questions, each with an explanation.
- **Mock tests**
Full and mini mocks on the CBT exam screen.
- **Revision**
Your mistakes come back for review, with flashcards.
- **Interactive concepts**
Learn by exploring 3D models, like the human body and the heart.
- **Analytics**
See your accuracy, speed and where you lose marks.
- **A daily plan**
It picks what to study next, every day.

Get it on

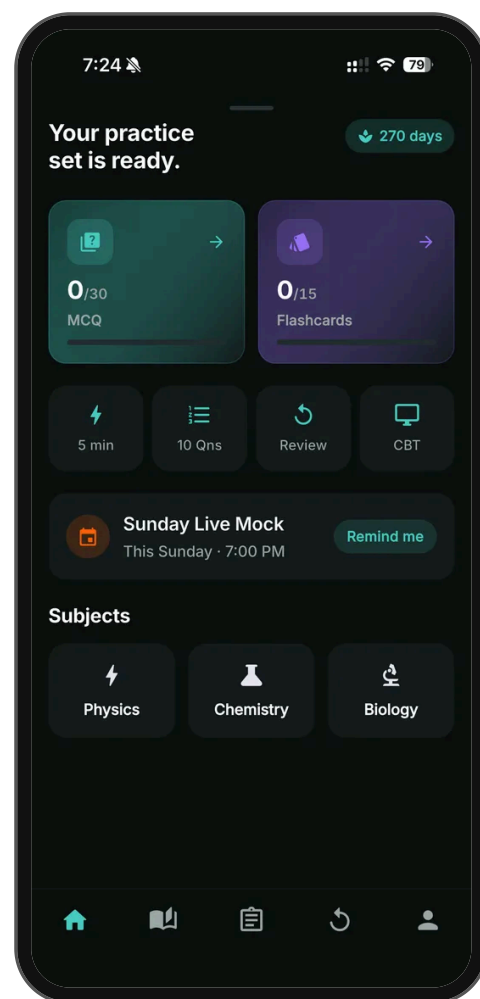
Google Play

Download on the

App Store



Scan with your phone camera,
or type **brainit.pro/app**



Take a free CBT mock

Real NEET questions on the exam screen, timed and marked for you.
No login.