# NCERT SOLUTIONS

## CLASS - 5th

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Class : 5th
Subject : Environmental Studies
Chapter : 8
Chapter Name : A Treat For Mosquitoes

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Q1 Do you know anyone who has had malaria?

Answer. Yes, once one of my friends suffered from malaria.

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Q2 How did they find out that they had malaria?

Answer. It was found out by examining his blood.

Page : 68 , Block Name : Find Out

Q3 What problems did they have on having malaria?

Answer. At times he used to suffer fever with chills and rigors. He also became weak.

Page : 68 , Block Name : Find Out

Q4 What other diseases can be caused by mosquito bites?

Answer. Missing

Page : 68 , Block Name : Find Out

Q5 In which season is malaria more common? Why do you think this happens?

Answer. Malaria is more conunon during the rainy season. This is because water logged and damp places provides suitable breeding environment for the mosquitoes.

Page : 68 , Block Name : Find Out

Q6 What do you do In your house to protect yourself from mosquitoes? Also find out from your friends about what they do?

Answer. In our well as my friend's house mosquitoes repellent devices and mosquito nets are used to protect ourselves from mosquitoes. Besides, we remain vigil that there should not any water logging in our surroundings. We also keep our coolers, pots etc. are clean.

Page : 68 , Block Name : Find Out

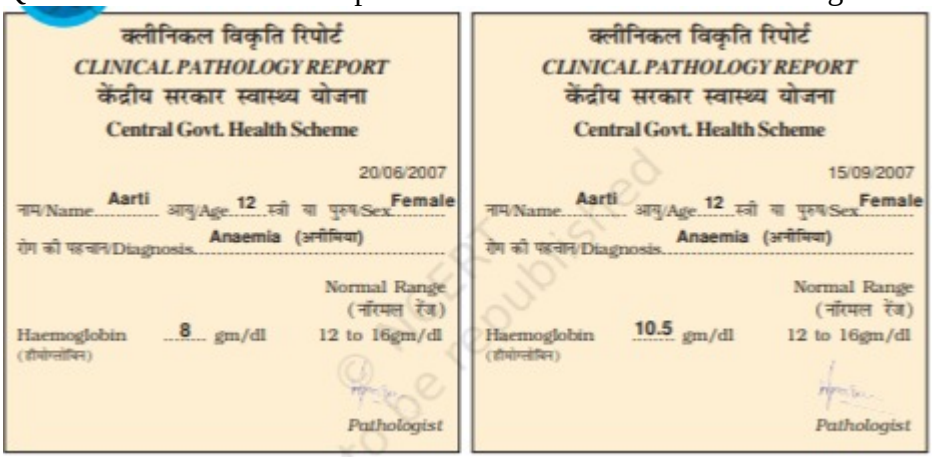
Q7 Look at the report of the blood test given on text page. Which In the report helps us to know that the patient has malaria?

क्लीनिकल विकृति रिपोर्ट
CLINICAL PATHOLOGY REPORT
केंद्रीय सरकार स्वास्थ्य योजना
Central Govt. Health Scheme
Rajat
Male
Fever with Chills and Rigors
Malarial Parasite Found in Blood Sample
Pathologist

Answer. It is clearly mentioned in the report that malaria parasite has been in blood sample of the patient.

Page : 69 , Block Name : Find Out

Q1 Look at Aarti's blood report and find out the minimum hemoglobin required.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CLINICAL PATHOLOGY REPORT
केंद्रीय सरकार स्वास्थ्य योजना
Central Govt. Health Scheme
20/06/2007
नाम/Name Aarti आयु/Age 12 स्त्री या पुरुष/Sex Female
रोग की पहचान/Diagnosis Anaemia (अनीमिया)
Normal Range (नॉरमल रेंज)
Haemoglobin (हीमोग्लोबिन) 8 gm/dl 12 to 16gm/dl
Pathologist
क्लीनिकल विकृति रिपोर्ट
CLINICAL PATHOLOGY REPORT
केंद्रीय सरकार स्वास्थ्य योजना
Central Govt. Health Scheme
15/09/2007
नाम/Name Aarti आयु/Age 12 स्त्री या पुरुष/Sex Female
रोग की पहचान/Diagnosis Anaemia (अनीमिया)
Normal Range (नॉरमल रेंज)
Haemoglobin (हीमोग्लोबिन) 10.5 gm/dl 12 to 16gm/dl
Pathologist

Answer. Minimum hemoglobin requirement is 12gm/dI.

Page : 70 , Block Name : Tell

Q2 How much did Aarti’s hemoglobin go up and how long did it take for that?

Answer. Aarti’s hemoglobin increased by 2.5 gm/dl i.e. around 30% in about three months.

Page : 70 , Block Name : Tell

Q3 What does the newspaper report say about the problems caused by anemia?

Answer. Newspaper report tells that anemia is affecting physical as well as mental health of the children suffering from it. Due to anemia. children do not grow well, and their energy levels are low. This also affects their ability to study properly.

Page : 70 , Block Name : Tell

Q4 Have you or anyone In your family ever needed to get a blood test? When and why?

Answer. Yes. Last year I had got a blood test done. It was because doctors that I might suffer from Anemia.

Page : 70 , Block Name : Tell

Q5 What was found out by the blood test?

Answer. It was found that I was suffering from anemia.

Page : 71 , Block Name : Tell

Q6 Have you had a health check-up In your school? What did the doctor tell you?

Answer. Yes, last month we have had a health check-up in your school. The doctor told me I was healthy.

Page : 71 , Block Name : Tell

Q7 Ask a doctor or elders about the food items which contain iron.

Answer. I asked my father and he told that green leafy vegetables like spinach, lettuce aml cabbage iron.

Page : 71 , Block Name : Find Out

Q1 Have you seen any poster like this put up anywhere?

Answer. Yes, such posters are put up near my school.

Page : 72 , Block Name : Find Out And Tell

Q2 Who do you think puts up such posters, or gives ads In the newspaper?

Answer. The government would have been putting up such posters and giving information in the newspaper.

Page : 72 , Block Name : Find Out And Tell

Q3 What are the some of the important points given in the poster?

Answer. In the poster it has been warned to remain alert about the mosquitoes they can spread malaria, dengue and chikungunya. Some precautionary measures are also advised to keep off mosquitoes.

Page : 72 , Block Name : Find Out And Tell

Q4 Why do you think pictures of a tank, cooler and pots are shown in the poster?

Answer. Because these are the stuff where breeding of mosquitoes can takes place if they are waterlogged or are not cleaned up regularly.

Page : 72 , Block Name : Find Out And Tell

Q1 Why do you think It talks about putting fbh In the tank? What do you think the fish eats?

Answer. It is told so because fishes eat up mosquitoes larvae that have been developing in the water.

Page : 72 , Block Name : Think

Q2 What will happen when oil Is spread on the water?

Answer. When oil is spread on water, the eggs and larvae of mosquitoes growing there would have been killed.

Page : 72 , Block Name : Think

Q1 Which diseases are spread by flies and how?

Answer. Flies spread dysentery, cholera, typhoid, anthrax etc. Flies are easily attracted by filth. They used to sit on do-ty and filthy matters. Again when these sit upon the food, microbes are mixed into the food from there these can enter human body.

Page : 73 , Block Name : Find Out

Q1 Divide your class into two or three groups. Each group will go around to check one area in school or around It. It must carefully note if water has collected anywhere, and mark ✔ where it finds stagnant water.

Answer. Pot- Yes ✔
Tank - Yes ✔
Any open space in school ground — No
Gutter — Yes ✔
Any other place — Yes;✔ near drains

Page : 73 , Block Name : Mosquito Check

Q2 Since how many days has the water collected here?

Answer. For almost 8- 10 days water has been collected there.

Page : 73 , Block Name : Mosquito Check

Q3 Has it caused any problem in the area ?

Answer. Yes, it is causing many problems. The entire area is turned into a mess and breeding place of mosquitoes and germs.

Page : 73 , Block Name : Mosquito Check

Q3 Who is responsible for keeping these clean?

Answer. Within the school premises, it is the responsibility of school authority while outside the local municipality is responsible for the same.

Page : 73 , Block Name : Mosquito Check

Q4 Who is supposed to get the gutters and drains repaired?
Answer. The local municipality is responsible to get the gutters and drains repaired.

Page : 73 , Block Name : Mosquito Check

Q5 Can any larvae be seen in the collected water?

Answer. Yes, the larvae of mosquitoes can easily seen in the collected water.

Page : 73 , Block Name : Mosquito Check

Q1 In your group, make a poster with a message to keep the cooler, tank, drains and the area clean (wherever water collects). Put up your poster in and around your school.

Answer.

Page : 73 , Block Name : Make A Poster

Q2 Find out who is responsible for keeping the area around your school clean. Write a letter from your class, reporting your findings suggestions. Find out to whom the letter should be written, and to which office it should be sent.

Answer. The local municipality is responsible keeping the area around our school clean. So, the letter should addressed to the Mayor and sent to the local municipal corporation office. Letter to the Mayor

The Mayor
Municipal Corporation of Delhi
New Delhi

Subject: Request for better cleanliness around Sarvodaya Vidyalaya, Rohini, Sector-8

Respected Sir,
Through this letter, we the students of Sarvodaya Vidyalaya, Rohini, and Sector-8 went to bring into your notke the fifth and garbage collection around the school. The entire area has been turned into a mess and become a heaven for stray dogs and germs. Last week's heavy rains have only aggravated the situation. The drains and pits are water logged and became the breeding ground of mosquitoes. So, you are requested to look into the matter immediately and order to clean up garbage in the area.
Thanking you,

Yours Sincerely,
Student of Class V
Sarvodaya Vidyalaya
Sector-8 Rohini
Delhi

Page : 73 , Block Name : Make A Poster

Q1 Is there is a pond or river around your house or school. Go look around and these
Can you see aWe In or around the water?

Answer. Yes, I can see algae in or around the water.

Page : 74 , Block Name : Tell

Q2 Where else have you seen algae?

Answer. We saw it near drain, hand pump on damp walls etc.

Page : 74 , Block Name : Tell

Q3 Are there plant growing on the side or in the water? Find out their names. Draw some of these in your notebook.

Answer. Yes, there are small plants growing around the side or in the water. These are liverworts, mosses etc.

Page : 74 , Block Name : Tell

Q4 Do you think these were planted by someone or did they grow on their own?

Answer. They grow on their own.

Page : 74 , Block Name : Tell

Q5 What else can you see in the water? Make a list.

Answer. Besides algae, small fishes, frogs, larvae, floating insects and mosquitoes are also seen.

Page : 74 , Block Name : Tell

Q1 What can you do so that mosquitoes do not breed in your house, school and neighborhood?

Answer. This can done by-
(i) Not allowing the area around us to get water logged.
(ii) Regularly cleaning the coolers aml water tanks.
(iii) Spraying DDT am] oil in drams, pits etc.
(iv) Cultivating fishes in nearby ditches, pits, ponds etc.

Page : 75 , Block Name : What We Have Learnt

Q2 How can you find out If someone has malaria?

Answer. If malarial parasites are found in blood sample of that person, it means he or she has malaria, not.

Page : 75 , Block Name : What We Have Learnt