Day-6
Q. Complete the following sentence with the verbs from the box in Present Perfect continuous. You can use each verb once only.

<table>
<thead>
<tr>
<th>look</th>
<th>play</th>
<th>watch</th>
<th>try</th>
<th>learn</th>
<th>study</th>
<th>revise</th>
<th>work</th>
</tr>
</thead>
</table>

a) Joe and Stephanie ____________________ really hard to save money to buy a house.
b) Tony and James _____________________ tennis for hours. They must be exhausted!
c) Alice ____________________ medicine for three years.
d) I ____________________ Spanish because my friend is from Madrid and we are going to see her family next month.
e) We ____________________ for a flat to rent for months but it’s impossible to find something we can afford.
f) I ____________________ to get hold of my sister for days, but she isn’t answering the phone.
g) Sorry, I missed your call. I ____________________ cricket match on television.
h) Dan is so tired! He ____________________ for his exams all weekend.

Q.2 Rewrite the following sentences in Passive voice.

a) Kevin asked Dennis a question.  
   ____________________________________________

b) Somebody built the house last year.  
   ____________________________________________

c) Michael has not sent me the file.  
   ____________________________________________

d) The teacher told us a joke.  
   ____________________________________________

e) Max will look after him.  
   ____________________________________________

Day 7
Topic: Comprehension
Q. Read the passage on page 128-130 (Exercise 2, Text 2) in your Lower Secondary Comprehension book and answer the questions (1-9) page 131.

Day 8
Topic: Comprehension
Q. Read the passage on page 128(Exercise 2, Text 2) in your Lower Secondary Comprehension book and answer the questions (9-18) page 131-132.

Day 9
Topic: Grammar
Q. Read Unit-15, page: 75-77 and do exercise A on page 78.

Day 10
Topic: Formal Letter
Q. Write a letter to the General Manager of WASA about the problem of water shortage and supply of polluted water in your locality.
ENGLISH LITERATURE

TOPIC: SONNET 18    Read the poem ‘Sonnet 18’. Underline the difficult words and write the meaning.

BANGLA

Day 6
বই: সপ্তরঞ্জ
পদ্য: নতুনদেশ (পড়বে, বানান, শব্দার্ধিতে)

Day 7
বই: সপ্তরঞ্জ
পদ্য: নতুনদেশ (পাঠপরিচিতিপুষ্পপরিচিতিতিনিমিত)

Day - 8
বই: সরল বাংলা ব্যাকরণ ও নিমিত্ত
পৃষ্ঠা: ৫৫ - ৫৭ (বয় সক্ত পড়বে)

Day - 9
বই: সরল বাংলা ব্যাকরণ ও নিমিত্ত
পৃষ্ঠা: ৬০ - ৬২ (বয়জন সক্ত পড়বে)

Day - 10
চন্দ্র: বিদ্যালয়ের বার্ষিক ক্রিয়া প্রতিষ্ঠান
(শস্ত্রসংখ্যা - ১৫০)

BANGLADESH STUDIES

No work for this week. Already uploaded for two weeks at the HW pack 1 (15th March, 2020-19th March, 2020)

GEOGRAPHY

No work for this week. Already uploaded for two weeks at the HW pack 1 (15th March, 2020-19th March, 2020)

GP

No work for this week. Already uploaded for two weeks at the HW pack 1 (15th March, 2020-19th March, 2020)

Mathematics

Day 6:
Book: New Elementary Mathematics Syllabus-D
Ex: 10.2, Pages: 264,265
Ques: 3-d, 4-a,d,e,h

Day 7:
Book: New Elementary Mathematics Syllabus-D
Ex: 10.3, Pages: 269,270
Ques: 1-f,2-b,3-c,e,h

Day 8:
Book: New Elementary Mathematics Syllabus-D
Ex: 10.4, Pages: 274,276
Ques:1,2,3,7,14

Day 9:
Book: New Elementary Mathematics Syllabus-D
Ex: 10.6, Pages: 283
Ques: 3-a,b,c,g,h

Day 10:
Book: New Elementary Mathematics Syllabus-D
Ex: 3.3, Pages: 83,84
Ques: 3,6,10,12,14
Day 3
Identify which animals are producers, consumers, or decomposers.

<table>
<thead>
<tr>
<th>Animal</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>orange tree</td>
<td>producer</td>
</tr>
<tr>
<td>strawberry</td>
<td>producer</td>
</tr>
<tr>
<td>rabbit</td>
<td>consumer</td>
</tr>
<tr>
<td>bacteria</td>
<td>decomposer</td>
</tr>
<tr>
<td>fungi</td>
<td>decomposer</td>
</tr>
<tr>
<td>falcon</td>
<td>consumer</td>
</tr>
<tr>
<td>rose</td>
<td>consumer</td>
</tr>
<tr>
<td>bluebird</td>
<td>consumer</td>
</tr>
<tr>
<td>cat</td>
<td>consumer</td>
</tr>
<tr>
<td>snake</td>
<td>consumer</td>
</tr>
<tr>
<td>mountain lion</td>
<td>consumer</td>
</tr>
<tr>
<td>grass</td>
<td>producer</td>
</tr>
</tbody>
</table>

List three changes that happen to girls’ bodies at puberty.

What causes coronary heart disease?

Day 4

1.

---

**Food Web**

A food web shows how energy is passed on from one living thing to the next. It shows the feeding habits of different animals that live together in an ecosystem.

In the food web pictured on the left, energy is passed from the grass to the mouse to the snake to the hawk.

**Producers** are living things that make their own food with sun and air. The producers are pictured at the bottom of the food web.

**Consumers** are living things that eat other living things.

Use the food web in the picture above to answer the questions.

1. Name the living things in the food web that are producers.

2. Name the living things in the food web that are consumers.

3. Which living things does the snake eat?

4. Which living things does the hawk eat?

5. What is eaten by the rabbit?
2. Use appropriate words to complete the following:

Drugs are………………………….which cause………………………………………………….. in the body. Some drugs are………………………...and can help us recover from illnesses. These are known as………………………………drugs.
Other drugs are……………………………...and shouldn’t be taken. Too much of any drug can have…………………………………………………………………………………………………….

Alcohol is a type of drink. When it is drunk, the effects on the body can include:
•………………………………………………………………………………………………………………
•………………………………………………………………………………………………………………
•………………………………………………………………………………………………………………

Smoking is very………………………………….The effects of smoking on the body can include:
•………………………………………………………………………………………………………………
•………………………………………………………………………………………………………………
•………………………………………………………………………………………………………………


1. Stopping the oxygen reaching the heart properly
2. Chemical changes
3. Prescribed
4. Smelly breath
5. Damage to vital organs e.g. heart and liver
6. serious side effects
7. addictive
8. slowing of messages to the brain
9. teeth turning yellow
10. lack of judgement or perception
11. legal
12. illegal
13. substances
1. Do the following matching:

<table>
<thead>
<tr>
<th>Column I</th>
<th>Column II</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Malleable</td>
<td>(a) Can be transformed into wire</td>
</tr>
<tr>
<td>2. Ductile</td>
<td>(b) For making crackers</td>
</tr>
<tr>
<td>3. Oxygen</td>
<td>(c) Give sheets on hammering</td>
</tr>
<tr>
<td>4. Copper</td>
<td>(d) For disinfecting water</td>
</tr>
<tr>
<td>5. Sulphur</td>
<td>(e) All living beings inhale during breathing</td>
</tr>
<tr>
<td>6. Diamond</td>
<td>(f) For making electric wires</td>
</tr>
<tr>
<td>7. Sonority</td>
<td>(g) For making rails</td>
</tr>
<tr>
<td>8. Iron</td>
<td>(h) Hardest non-metal</td>
</tr>
<tr>
<td>9. Chlorine</td>
<td>(i) Ringing of bells</td>
</tr>
<tr>
<td>10. Platinum</td>
<td>(j) Used in making ornaments</td>
</tr>
</tbody>
</table>

1. Elements that are normally in a gas form, that are dull, brittle, and poor conductors
   a. Metals
   b. Non-Metals
   c. Metalloids
   d. Gas

2. The elements located to the left of the stair-step
   a. Metals
   b. Non-Metals
   c. Metalloids
   d. Gas

3. Usually solid elements that are good conductors, malleable, ductile, and shiny
   a. Metals
   b. Non-Metals
   c. Metalloids
   d. Gas

4. The elements located along the stair-step
   a. Metals
   b. Non-Metals
   c. Metalloids
   d. Gas

5. Elements that can be lustrous or dull, malleable or brittle, and conductivity varies
   a. Metals
   b. Non-Metals
   c. Metalloids
   d. Gas
DAY-4

1. Read the following statements carefully and select the correct statements about the physical and chemical properties of metals:

   I. All metals are ductile
   II. Generally metals are ductile
   III. Metals which are more reactive than hydrogen react with acids to release hydrogen gas.
   IV. All metals react with acids to release hydrogen gas.

   The correct statement of the above are:
   a) I and IV b) I and III c) II and III d) II and IV

2. Which one of the following metals is used in thermo meters?

3. Write down the number of atoms present in each molecule:
   a. Copper (II) chloride (CuCl2)
   b. Lithium acetate LiC2H3O2
   c. Manganese (IV) nitride Mn3N4
   d. Beryllium oxide BeO
   e. Sodium sulfate Na2SO4
   f. Aluminium arsenide AlAs
   g. Potassium permanganate KMnO4
   h. Tin (II) sulfite SnSO3

PHYSICS

DAY-3

1.(a) A man uses a dog whistle to call his dog. The whistle uses ultrasound.

   (i) The dog can hear the whistle but the man cannot. Explain why the dog can hear the whistle but the man cannot hear the whistle.

   (ii) The dog is 140 m away from the man. The ultrasound takes 0.42 s to travel from the man to the dog. Calculate the speed of ultrasound. State the unit.

   speed of ultrasound = ................................ unit = ................................

   (iii) The diagram shows a fishing boat above some fish.

   Describe how ultrasound waves are used to detect the fish. You may add to the diagram to help with your answer.

   ........................................................................................................................................
   ........................................................................................................................................
   ........................................................................................................................................
   ........................................................................................................................................
   ........................................................................................................................................
   ........................................................................................................................................
   ........................................................................................................................................
Day-4

1. Some students are investigating waves. They produce waves by moving a piece of wood up and down in a tank of water. The diagram shows the waves over a distance of 60 cm.

![Diagram of waves over 60 cm]

(i) State the number of wavelengths shown on the diagram.

number of wavelengths = .............................................................

(ii) Calculate the wavelength of the waves.

wavelength of waves = .............................................................. cm

(iii) The students produce a different wave. This wave has a frequency of 1.7 Hz and a wavelength of 8.0 cm. Calculate the speed of this wave.

speed of wave = ................................................................. cm/s

(iv) Sound travels through the air as longitudinal waves. Describe how the air particles move when a sound wave passes.

.................................................................................................................................
.................................................................................................................................
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.................................................................................................................................
.................................................................................................................................

(v) Explain how a longitudinal wave is different from a transverse wave. You may draw a diagram to help with your answer.

.................................................................................................................................
.................................................................................................................................
.................................................................................................................................
.................................................................................................................................
.................................................................................................................................
1. What hardware will you need to set up a computer network?

2. Draw a network diagram for 4 computers, two mobile phones, two laptops, one printer and broadband internet connections for all the devices at your home. You are reminded that this will be a HOME NETWORK DIAGRAM.

3. For each piece of hardware, describe what it does on the network.
<table>
<thead>
<tr>
<th>Hardware</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computers</td>
<td>A microcomputer is usually used by one person at a time. It is suitable for general purpose tasks such as word processing.</td>
</tr>
<tr>
<td>Printer</td>
<td></td>
</tr>
<tr>
<td>Switch</td>
<td></td>
</tr>
<tr>
<td>Modem</td>
<td></td>
</tr>
<tr>
<td>Scanner</td>
<td></td>
</tr>
<tr>
<td>Wire</td>
<td></td>
</tr>
<tr>
<td>Hub</td>
<td></td>
</tr>
<tr>
<td>Router</td>
<td></td>
</tr>
<tr>
<td>Server</td>
<td></td>
</tr>
</tbody>
</table>

3. The network is now connected and running. Describe three tasks you should do to maintain it **efficiently**. Give reasons for your answers.

(a) Answer: .................................................................

   Reason ........................................................................
   ........................................................................

(b) Answer: .................................................................

   Reason ........................................................................
   ........................................................................

(c) Answer: .................................................................

   Reason ........................................................................
   ........................................................................
4. Describe **three** tasks the you should do to maintain it **safely**. Give reasons for your answers.

(a) Task: ...........................................................................................................................................

Reason ..............................................................................................................................................

....................................................................................................................................................

(b) Task: ...........................................................................................................................................

Reason ..............................................................................................................................................

....................................................................................................................................................

(b) Task: ...........................................................................................................................................

Reason ..............................................................................................................................................

....................................................................................................................................................

**** You are required to take print out of ICT paper and answer in the available space ***