**Week: 15th March, 2020 - 19th March, 2020**

### English Language

#### Day-1

**Topic: Grammar**

Q. Underline the correct form of verb in the following sentences.

a) The president *has resigned* / *has been resigned* and a new president *has elected* / *has been elected*.

b) His resignation *announced* / *was announced* yesterday on television.

c) The plane *took off* / *has taken off* a few minutes ago.

d) A huge snow storm *has hit* / *has been hit* Toronto.

e) Over 40cc of snow *fell* / *has fallen* over last 12 hours.

f) Residents have *advised* / *have been advised* to stay at home.

Q.1 Complete the pairs of sentences using the verb in the Present Simple or the Present Continuous.

a) come

Alec and Marie are French. They ___________ from Paris.

They will be here soon. They ________________ by the car.

b) have

Lisa can’t come to phone. She ______________ dinner now.

She __________ a beautiful new car.

c) think

I ______________ we should encourage him to work harder.

I ______________ about my grandmother at the moment. She is in Australia.

d) watch

Be quiet! I ________________ my favorite program.

I always ______________ it on Thursday evenings.

e) see

Joe isn’t here. He _________________ the doctor at the moment.

I ____________ your problem, but I can’t help you. I'm sorry.

#### Day-2

**Topic: Comprehension**

Q. Read the passage on page 122 (Exercise 1, Text 3) in your Lower Secondary Comprehension book and answer the questions (1-10) page 125-126.

#### Day-3

**Topic: Comprehension**

Q. Read the passage on page 122 (Exercise 1, Text 3) in your Lower Secondary Comprehension book and answer the questions (11-20) page 126-127.

#### Day 4

**Topic: Grammar**

Q. Read Unit-27, Past Tense III (Past Perfect) Page 141-143 and do Exercise-A, (questions 1-15), page-144.

#### Day 5

Q. Write an argumentative essay on the following topic. Word limit: 200.

Having a good university degree guarantees people a good job. Do you agree?
### English Literature

**DAY 1**

**TOPIC:** LULLABY. Explain the phrase: “Beauty, midnight, vision dies”

**DAY 2**

**TOPIC:** LULLABY. Explain the lines below: “Mortal, guilty, but to me, ‘The entirely beautiful’”

**DAY 3**

**TOPIC:** LULLABY Q. What can you conclude from the poem ‘Lullaby’

**DAY 4**

**TOPIC:** THE NECKLACE Q. Why does Mme. Loisel look old now?

**DAY 5**

**TOPIC:** AH SUNFLOWER! Q. Describe the image of the sunflower.

### Bangladesh studies

**DAY 1**

**TOPIC:** Zainul Abedin

Q. Why did Zainul Abedin sketch scenes from “the Great Bengal Famine 1943”?

**DAY 2**

**TOPIC:** JASIMUDDIN

Q. Why is rural life the main theme of Jasimuddin’s poetry?

**DAY 3**

**TOPIC:** The emergence and development of Bengali literature

Read the chapter and write down the names of 10 literary figures who belong to modern period.

### Geography

**CHAPTER 7 LAND SUPPLY**

1. **Read** Page 100-101 from Textbook and **write** the following question on a test pad paper.

   *What are the reasons for the rising demand for land? Describe any 4 of them briefly with examples.*

**DAY 2**

**CHAPTER 7 LAND SUPPLY**

1. **Read** Page 107 from Textbook and **draw** the Diagram of the Steps of empoldering from the Textbook in a test pad paper.

**DAY 3**

**CHAPTER 8 WATER RESOURCES**

1. **Read** Page 123 and the Class Notes of Bangladesh Water Resources given in class and **write** the following question in a test pad paper.

   *What are the reasons for Water Pollution all over the world? Describe it in terms of Bangladesh’s circumstances as discussed in class in your own words.*

**DAY 4**

**CHAPTER 8 WATER RESOURCES**

1. **Read** Page 126 from Textbook and **draw** the diagram (Fig 8.9) with proper labels of Water Catchment Areas in a test pad paper.
## Global Perspective

**Day 1:**
Team members will work on their selected topic (group members need to communicate with each other and decide on the final topic) and will prepare 15-20 FAQ (Frequently asked questions) & CQ (Critical Questions)

**Day 2:**
Team members will continue to work on finding suitable video individually on their selected topic. And start making ppt and answers to critical questions of topic while inputting into slides for PPT.

**Day 3:**
Team members will continue to work on their FAQ (Frequently asked questions) & CQ (Critical Questions)

**Day 4:**
Ss will continue work on finding suitable video on their selected topic and share with group members to finalize the video. Also work on critical questions answers of topic for PPT.

## Mathematics

**Day 1:**
Book: New Elementary Mathematics Wordbook-1
Pages: 40,41  Ques: 3,5,7,8,11

**Day 2:**
Book: New Elementary Mathematics Wordbook-1
Pages: 41,42  Ques: 14-c,16,17,18,19

**Day 3:**
Book: New Elementary Mathematics Wordbook-1
Pages: 42,43  Ques: 20,23,24,26,29

**Day 4:**
Book: New Elementary Mathematics Wordbook-1
Pages: 43,44  Ques: 30,31,32,35,38

**Day 5:**
Book: New Elementary Mathematics Syllabus-D
Ex: 9.2, Page: 241 Ques: 2- f, k
Ex : 9.4, Page : 250,251 Question : 8-c, h, 9-b
Tick the correct answer:
1. A place where living and nonliving things interact, such as forests and deserts are called a(n)
   a. ecosystem.
   b. population.
   c. community.
   d. habitat.

2. An ocean is an example of a _______ water ecosystem.
   a. Fresh
   b. Salt
   c. Brackish
   d. all of the above

3. The _______ ecosystem has little or no rainfall.
   a. Desert
   b. Forest
   c. Grassland
   d. water

4. The _______ ecosystem is made up of large, flat areas of land covered with grass.
   a. Desert
   b. Pond
   c. Grassland
   d. Tundra

Answer the following questions:
1. State 3 different types of drugs and their effects on the body. Give one example for each type of drugs.
2. Differentiate between a predator and prey.
3. 3 physical changes which occur in females during adolescence are ____________________________
   and ____________________________.
1. Fill in the blanks using the correct option:

<table>
<thead>
<tr>
<th>Blank</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Someone who studies the relationship between living things and their environment.</td>
</tr>
<tr>
<td></td>
<td>The place an organism lives.</td>
</tr>
<tr>
<td></td>
<td>An inherited characteristic that helps an organism survive and reproduce in its environment.</td>
</tr>
<tr>
<td></td>
<td>When two species live closely together in a relationship over time.</td>
</tr>
<tr>
<td></td>
<td>Trees, water, oil and minerals are examples of these.</td>
</tr>
<tr>
<td></td>
<td>Things that make people’s lives more enjoyable.</td>
</tr>
<tr>
<td></td>
<td>The resources of nature being renewed as quickly as they are used and wastes being absorbed completely.</td>
</tr>
<tr>
<td></td>
<td>Breaking down consumer materials and building them back up into a different product.</td>
</tr>
<tr>
<td></td>
<td>A. Habitat</td>
</tr>
<tr>
<td></td>
<td>B. Ecology</td>
</tr>
<tr>
<td></td>
<td>C. Ecosystem</td>
</tr>
<tr>
<td></td>
<td>D. Ecologist</td>
</tr>
<tr>
<td></td>
<td>E. Reduce</td>
</tr>
<tr>
<td></td>
<td>F. Reuse</td>
</tr>
<tr>
<td></td>
<td>G. Recycle</td>
</tr>
<tr>
<td></td>
<td>H. Adaptation</td>
</tr>
<tr>
<td></td>
<td>I. Symbiosis</td>
</tr>
<tr>
<td></td>
<td>J. Wants</td>
</tr>
<tr>
<td></td>
<td>K. Needs</td>
</tr>
<tr>
<td></td>
<td>L. Sustainability</td>
</tr>
<tr>
<td></td>
<td>M. Natural Resources</td>
</tr>
</tbody>
</table>

2. What is symbiosis? Give one example.
3. Give two examples of food chain and food web.
4. State 4 abiotic factors.
<table>
<thead>
<tr>
<th>CHANGES OCCURRING</th>
<th>TYPE OF CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snow melting</td>
<td></td>
</tr>
<tr>
<td>No new substance is produced</td>
<td></td>
</tr>
<tr>
<td>Mud dries and changes to dust</td>
<td></td>
</tr>
<tr>
<td>A match stick turns to ash while burning</td>
<td></td>
</tr>
<tr>
<td>Produces a new substance with different properties</td>
<td></td>
</tr>
<tr>
<td>Teeth crushing food</td>
<td></td>
</tr>
<tr>
<td>Breaking a glass window with a baseball</td>
<td></td>
</tr>
<tr>
<td>Making salt by mixing sodium and chlorine together</td>
<td></td>
</tr>
<tr>
<td>Water changes to steam</td>
<td></td>
</tr>
<tr>
<td>Stomach acids dissolving pizza</td>
<td></td>
</tr>
<tr>
<td>Hydrogen and oxygen gas combining to become water</td>
<td></td>
</tr>
<tr>
<td>Grape juice changing to wine (fermenting)</td>
<td></td>
</tr>
<tr>
<td>An iron pipe rusting</td>
<td></td>
</tr>
<tr>
<td>Dew forming on a leaf</td>
<td></td>
</tr>
<tr>
<td>Bending a nail with a hammer</td>
<td></td>
</tr>
</tbody>
</table>
Using words in the word bank below, label the diagram.

Word bank: electron, proton, neutron, nucleus, electron shell

Which part of an atom has a negative electric charge?
Which part of the atom contains no electric charge?
Which part of the atom has a positive electric charge?
Electricity, light and sound are made up of atoms.

True □
False □

Atoms can be observed with our bare eyes.

True □
False □

Atoms have a mass and volume.

True □
False □
1. (a) Fig. 1.1 shows a metal strip, held in a clamp.

![Fig. 1.1]

The end of the strip is pulled down and released, so that the strip vibrates. X and Z are the extreme positions of the end of the strip during this vibration. Y is the mid-position.

Explain what is meant by

(i) the frequency of vibration of the strip,

(ii) the amplitude of vibration of the end of the strip.

(b) Fig. 1.2 shows two tall buildings, A and B, that are 99 m apart.

![Fig. 1.2 (not to scale)]

A student stands at P so that his distance from building A is 33 m. After clapping his hands once, he hears several echoes. The speed of sound in air is 330 m/s.

Calculate the time interval between clapping his hands and hearing

(i) the first echo,

\[ \text{time} = \] [2]

(ii) the third echo,

\[ \text{time} = \] [1]
(c) Write down an approximate value for the speed of sound

(i) in water, speed = ...................................................

(ii) in steel. speed = ...................................................

(d) Fig. 1.3 shows a dolphin in water emitting a sound wave of frequency 95 kHz.

Fig. 1.3 (not to scale)

Using your value from (c)(i), calculate the wavelength of this sound wave.

wavelength = ...................................................

DAY 2

2. (a) Two students are measuring the speed of sound.

The students are provided with a starting pistol, a stopwatch and a long measuring tape. The
starting pistol, when fired, produces a loud sound and a puff of smoke at the same instant.

Describe how the students use the apparatus and how they calculate the speed. You may
draw a diagram.
A student hears the bell ringing. The air is then removed from the chamber. State and explain any change in the sound heard by the student.
You are going to create website of a local sports club. You will need to produce at least three pages including:

- an attractive homepage,
- a page with the tournament information
- a page with the history of the club.

The captain of the club wants to know what details you plan to put on the website. Look at the diagram below and fill in as much detail as possible. You can add more boxes or pages if you wish.

To include
- Club name and a logo at top
- Image of match being played in the middle of the page
- Welcome and introduction text
- Links to pages of this website
- Links to other websites

➢ Make a word file to collect all the detail information of the pages.
➢ Make a folder for the downloaded images you will use at different pages.

1. Write how you could make the homepage more appealing to the audience. Consider the design and navigation of the site.

**** Don’t create the website. Collect the information only***
Forward your work to the class specific email [class7.cgisd.sec@gmail.com].