I. READING (15 marks)

PASSAGE-I

Read the passage carefully and answer the following questions: (7 marks)

Nobody wants to be sick. Everyone wants to be healthy, and most people want to have a long life, too. But a healthy body is not enough. We all want both physical and mental health. What can we do to stay well? Most of us know some things to do. It’s a good idea to exercise (for example, in a gym), eat fruits, vegetables, and fish, and drink lots of water. We also know things not to do; it’s a bad idea to eat a lot of junk food, such as chips, ice cream, donuts, and other foods with sugar or fat. It’s a bad idea to be a couch potato - a person who watches a lot of TV and doesn’t exercise. It’s a terrible idea to smoke. But scientists now have new information about other ways to stay healthy. Some of it is surprising.

Several beverages - all kinds of drinks are good for the health. Orange juice has vitamin C. Milk has calcium. Black tea and green tea are good for health, too. They have antioxidants; these fight diseases such as cancer and heart diseases. Most people know this. But most people don’t know about cocoa - hot chocolate. They enjoy the sweet, chocolaty beverage, but it has antioxidants. It has more antioxidants than tea. Too much stress which is worry about problems in life, is not good for physical health. For example, it makes your blood pressure go up. Some stress is chronic, which means that it lasts a long time - for many months or years. Chronic stress can make you old.

A. Answer the questions: (1x2=2 marks)

1. Who is called a couch potato?

2. Name one example of junk food.
B. Write ‘T’ for true or ‘F’ for false statements: (0.5x3=1.5 marks)

1. Milk has vitamin D. ☐
2. Stress is good for health. ☐
3. Cocoa has more antioxidants. ☐

C. Match the words with the meanings: (0.5x3=1.5 marks)

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. beverages</td>
<td>a. happening in the mind.</td>
</tr>
<tr>
<td>2. chronic</td>
<td>b. all kinds of drinks.</td>
</tr>
<tr>
<td>3. mental</td>
<td>c. last for long time.</td>
</tr>
</tbody>
</table>

D. Fill in the blanks: (0.5x4=2 marks)

1. We all want both _______________ and ____________ health.
2. These fight diseases such as _______________ and _______________.

PASSAGE-II

Read the passage carefully and answer the questions: (8 marks)

The first x-ray photograph was taken by a German scientist, Wilhelm Konrad Roentgen in 1896. It is his wife’s hand. The bones in her hand (and also her wedding ring!) are clearly seen.

X-rays were discovered by accident, while Roentgen was experimenting with electricity. Soon after, he built the first X-ray machine. Immediately, hospital operations were made much safer. For the first time, doctors could see inside people’s bodies before they cut them open! In the 1901, Roentgen was awarded the very first Noble Prize in Physics. His invention is still used every day by doctors and dentists -who takes care of people’s teeth. X-ray is called ‘the window into the human body.’

Since the introduction of computer imaging in the 1970s, X-ray machines have been used for other things, too. At airports, many criminals (a person against the law) have been caught with illegal items in their luggage. Also, lost works of art have been discovered underneath other paintings. In factories, many faults in new products are found every day, using X-rays. It is certain that X-rays will be used for a long time in the future.
A. Choose the correct answer: (1x4=4 marks)

1. A person who takes care of teeth - ________________.
   i) dentist  ii) doctors  iii) gynecologist

2. A person against the law - ________________.
   i) police  ii) criminals  iii) children

3. The first X-ray was discovered in ________________.
   i) 1896  ii) 1968  iii) 1996

4. Roentgen was awarded first Nobel Prize in ________________.
   i) Physics  ii) Chemistry  iii) Biology

B. Answer the following questions: (1x2=2 marks)

1. Is X-ray called ‘the window into the human body’?
   _______________________________________

2. Who discovered X-rays?
   _______________________________________

C. Write ‘T’ (True) or ‘F’ (False): (1x2=2 marks)

1. X-rays are used only in medicine. (  )

2. The first X-ray photograph was taken by Roentgen’s wife. (  )

II. WRITING (5 Marks)

A. Do as directed: (1x3=3 marks)

1. did you find a new job. (Correct the punctuation error)
   _______________________________________

2. Ahmed drives to his office every day. (Make it negative)
   _______________________________________

3. Junk food is popular. Junk food is bad for your health. (Join the sentences using but or and)
   _______________________________________
B. Write a paragraph on any one of the following topics: (2 marks)

My Best Friend OR How to make a cup of tea?

_____________________________

_____________________________

_____________________________

_____________________________

_____________________________

III. GRAMMAR (10 Marks)

A. Use the words from the box to complete the sentences: (0.5x5= 2.5 marks)

<table>
<thead>
<tr>
<th>is</th>
<th>am</th>
<th>are</th>
</tr>
</thead>
</table>

1. Lemon ____________ a vegetable.

2. I ________ from Sudan.

3. We _____________ human beings.

4. Chickens _________ birds, but bats _________ not birds.

<table>
<thead>
<tr>
<th>Rubrics</th>
<th>Assigned Marks</th>
<th>Awarded Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topic</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Ideas</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Coherence</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>
B. Circle the correct answer: (0.5x5=2.5 marks)

1. Anita and Pablo __________ TV right now.
   i) watch  ii) watching  iii) are watching  iv) is watching

2. I __________ like to write letters.
   i) no  ii) am not  iii) don’t  iv) is not

3. When I want to know the time, I __________ a clock.
   i) see  ii) look at  iii) watch  iv) look on

4. I __________ that my parents are lucky.
   i) think  ii) am thinking  iii) thinking  iv) thinks

5. The man is __________ fast.
   i) runing  ii) running  iii) ran  iv) run

C. Tick (✓) the correct sentence: (1x3=3 marks)

1. a. Omar has a car. (   )
   b. Omar a car has. (   )

2. a. Babys cry. (   )
   b. Babies cry. (   )

3. a. Olga and Ivan have three children. (   )
   b. Olga and Ivan has three children. (   )

4. a. There is five books. (   )
   b. There are five books. (   )

5. a. A bee is an insect. (   )
   b. A bee is a insect. (   )

6. a. Put the knives on the table. (   )
   b. Put the knifes on the table. (   )

D. Fill in the blanks with (some / any): (1x2=2 marks)

1. There are ________ beautiful flowers in your garden.

2. Do you need ________ help?
IV. MEDICAL TERMINOLOGY (20 Marks)

A. Write the meaning of the following medical terms:  
   (1x4=4 marks)
   1. cardiology - __________________________
   2. tracheotomy - __________________________
   3. hepatitis - ____________________________
   4. resection - ____________________________

B. Choose the correct answer:  
   (0.5x5=2.5 marks)
   1. The membrane surrounding the lungs is ________________.
      i) pleura                                      ii) diaphragm
      iii) mediastinum                               iv) abdomen
   2. Produces urine and sends it out of the body ________________.
      i) urinary system                             ii) circulatory system
      iii) respiratory system                        iv) endocrine system
   3. Visual examination of the abdomen______________.
      i) gastroscopy                                ii) autopsy
      iii) laproscopy                                iv) bronchoscopy
   4. Study of cells__________________________.
      i) cardiology                                 ii) cytology
      iii) pathology                                iv) hematology
   5. ____________ pain in the stomach.
      i) neuralgia                                  ii) arthralgia
      iii) otalgia                                  iv) gastralgia
C. Write the meanings of the following affixes: (0.5x4=2 marks)

1. –emia -_____________  2. hyper-_____________
3. sub -_____________  4. aden/o -__________

D. Complete the table: (1x2=2 marks)

<table>
<thead>
<tr>
<th>Singular</th>
<th>Plural</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. apex</td>
<td>a.</td>
</tr>
<tr>
<td>2.</td>
<td>b. bronchi</td>
</tr>
</tbody>
</table>

E. Circle the boldface term that best completes the meaning of the sentences in the following medical vignette: (0.5x2=1 mark)

Mr. Sellar was a heavy smoker all his adult life. He began coughing and losing weight and became very lethargic (tired). His physician suspected a tumor of the (musculoskeletal / urinary / respiratory) system. A chest CT scan showed a (lung / pharyngeal / spinal) mass.

F. Underline ‘T’ for true or ‘F’ for false in the following statements: (1x3=3 marks)

1. Blood cells which carry oxygen are called erythrocytes.  T / F
2. Hyperglycemia means low blood sugar.  T / F
3. Hepat/o means kidney.  T / F
4. –oma means tumor.  T / F
G. Match the following: (0.5 x6=3 marks)

<table>
<thead>
<tr>
<th>Column A</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1. Space located within the chest</td>
<td>a. electricity</td>
</tr>
<tr>
<td>2. Tumor of glands</td>
<td>b. white blood cells</td>
</tr>
<tr>
<td>3. Retro-</td>
<td>c. thoracic cavity</td>
</tr>
<tr>
<td>4. Renal</td>
<td>d. adenoma</td>
</tr>
<tr>
<td>5. Leukocytes</td>
<td>e. behind</td>
</tr>
<tr>
<td>6. electr/o</td>
<td>f. kidney</td>
</tr>
</tbody>
</table>


H. Label the figure: (0.5x5=2.5 marks)

1.

2.

3.

4.

5.