

Part I- Structured Questions

Answer all the questions.

Read and write the answers using maximum 5 words.

1. Arteries of the heart blocked by plaque can reduce the flow of blood to the heart possibly resulting in heart attack or death. Plaque is actually fat and cholesterol that accumulates on the inside of the arteries. The arteries of the heart are small and can be blocked by such accumulations.

1. Mention one of the results that could be when coronary arteries are blocked by plaque.

.....
(2 marks)

1. There is a medical procedure that creates more space in the blocked artery by inserting and inflating a tiny balloon into the blood vessel. It is called coronary balloon angioplasty. Angioplasty means “blood vessel repair.” When the balloon is inflated, it compresses the plaque against the wall of the artery, creating more space and improving the flow of blood.

2. According to the text, angioplasty is defined as

(2 marks)

3. Many doctors choose angioplasty technique, because it is less invasive than bypass surgery. Angioplasty may take between 30 minutes to 3 hours to complete. It begins with a distinctive dye that is injected into the bloodstream. A thin catheter is then inserted into the femoral artery of the leg, near the groin. The doctor monitors the path of the dye using x-rays. The tube is moved through the heart and into the plaquefilled artery. The balloon will be inflated, creating more space, and deflated, and the tube will be removed.

3. How do the doctors examine the thing that is injected into the bloodstream?

.....
(2 marks)

4. It is important to note that the plaque has not been removed; it has just been compressed against the sides of the artery. Sometimes, a stent may be implanted, a tiny tube of stainless steel that is expandable when necessary. Its function is to keep the artery open.

4. What is the function of a stent?

(3 marks)

5. There is good news and there is bad news. The good news is that ninety percent of all angioplasty procedures are successful. The risk of dying during an operation of this type is less than 2%. The risk of heart attack is also small: 3–5%.

5. Mention the good news stated in the text in brief.

(3 marks)

6. The bad news is twofold. First, this procedure treats the condition but does not eradicate the cause. In 20% of the cases, there is a recurrence of plaque. Second, angioplasty is not recommended for all patients. The surgeons must consider the patient's age, physical history, how severe the blockage is, and, finally, the degree of damage to the artery before they make their determination.

6. What will be considered before the doctors go into angioplasty? (Mention 2 considerations)

(4 marks)

.....

Read and choose whether the statements given below are True or False.

07. While dieting or losing weight, there are often times when we are tempted to eat things which we are not supposed to eat. Therefore, it is not very easy for someone to lose body fat and it can be very frustrating as well. However, many studies nowadays support the idea that while dieting one should allow himself/herself to eat once a week whatever he desires. It has been proved that this not only makes the dieter happy but also helps the person to continue his diet.

It is recommended that any person who diets may eat as he/she wishes once in every week.

- a. True
b. False

(2 marks)

08. Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest, as we do.

It is regarded that the dolphins care for their community.

- a. True
b. False

(2 marks)

09. Today, technology is a subject of debate because it is considered to be a double-edged sword. While it has helped humanity in extending its potential with outstanding inventions, it is nonetheless threatening humankind through some other destructive ones.

This does not show the contemporary view about technology.

- a. True
- b. False

(2 marks)

10. Technology has been a subject of discussion in philosophy since the Greeks. The Greek philosopher Democritus, for example, believed that technology is an imitation of nature. House-building and weaving were first invented by imitating swallows and spiders building their nests and nets, respectively.

It is assumed that the technology is a replication of nature.

- a. True
- b. False

(2 marks)

11. It is estimated that 15% of worldwide water use is for household purposes. These include drinking water, bathing, cooking, and sanitation. Basic household water requirements have been estimated at around 50 liters per person per day, excluding water for gardens. Most household water is treated and returned to surface water systems.

According to the text, the basic household water requirement estimation includes the water used for gardens.

- a. True
- b. False

(2 marks)

Choose the topic sentence of the following paragraphs (Q12 and Q 13).

12. (1) The older men die before older women virtually everywhere in the world. (2) In the United States, women are expected to live an average of 80.4 years, while men live only 75.2 years. (3) Men have higher testosterone levels than women, which may make men more likely to abuse alcohol and tobacco, drive aggressively, and engage in other life-threatening behaviors. (4) Studies also show that women are less likely to experience life-threatening illnesses and health problems than men are.

- 1.
- 2.
- 3.
- 4.

(3 marks)

13. (1) In the developing world 1.1 billion people still lack access to safe drinking water, 2.6 billion do not have access to adequate sanitation services, and more than 1.6 million deaths each year are traced to waterborne diseases. (2) Fresh water is a limiting resource in many parts of the world and is certain to become even more so as the 21st century unfolds. (3) All too often in developing countries, water is costly or inaccessible to the poorest in society, while the wealthy have it piped into their homes. (4) In addition, because of the infrastructure that is used to control water, rivers are running dry, millions of people have been displaced to make room for reservoirs, and disputes over water have raised tensions from local to international levels.

1. 2. 3. 4. (3 marks)

Choose the best answer.

What is the reading strategy you will use to find out the answers to Q 14 and Q 15 while reading the given texts?

14. How many children are underweight according to the Food and Agriculture Organization of the UN (2012)?

- a. Skimming
- b. Scanning

(2 marks)

If children's diets are too low in energy, they will stop growing and gaining weight. They will become lethargic, less active and be unable to concentrate. If the situation continues, they may develop life-threatening diseases. The Food and Agriculture Organization of the United Nations (2012) reports that 100 million children under the age of five are underweight and 35% of all deaths of children under five are caused by malnutrition.

15. What is this paragraph about?

- a. Skimming
- b. Scanning

(2 marks)

Over-nutrition is usually associated with industrialized countries, although it is now also a problem among affluent people in developing countries. The main problem is that the amount of energy consumed in food is greater than the needs of the body and this can result in people becoming overweight or obese. As with under-nutrition, this may lead them to become lethargic, less active and less able to concentrate.

16. Mention the meaning of the word or phrase highlighted in the sentences using maximum 3 words. You may write synonyms.

i. All mushrooms are not **fit to be eaten**; some are poisonous.

.....

ii. The reason for hospital admission was **colicky pain** in the right upper abdomen.

.....

iii. The old man's death **could not be prevented**.

.....

iv. For **decades** many scientists had been working labouriously for producing an atom bomb and they succeeded in producing one finally.

.....

v. The essential oil extracted from Desaman is used when discharges from the nose and ears are **foul** smelling.

.....

vi. The education authorities are **obliged to** maintain proper standards of safety in schools.

.....

vii. The will, skill and dedication of the NASA scientists brought to them in most of their **endeavors**.

.....

viii. No one knows for sure what **triggers** sleepwalking.

.....

(4 marks)

17. Write the correct form of the verb that agrees with the subject.

i. George and Tamara want to participate for viva. (not/do)

ii. The Prime Minister, together with his wife, the press cordially. (greet)

iii. All of the CDs, even the scratched one, in this case. (be)

iv. Either answer acceptable. (be)

v. the news on at five or six? (be)

vi. The committee these questions carefully. (debate)

vii. There many questions. (be)

viii. A means of transport travelling by train. (be)

(4 marks)

Mention the order of the steps of the processes mentioned in Q18, Q 19 and Q20 using the letters (E.g. A D C B ...) and name the titles of the processes.

18. Title-

- (A). Firstly it is washed with water and lime, followed by a soak in lime and then flattened, after which it is submerged in tannin.
- (B). The last stage involves polishing the leather with a roller.
- (C). In the initial stages of the process, the animal skin is dried before being taken to a factory where it undergoes two treatments.
- (D). The pieces are ultimately transported to a processing factory where they are made into a number of leather items in preparation for shipping.

.....

(2 marks)

19. Title-

- (A). The water falling on land collects in rivers and lakes, soil, and porous layers of rock, and much of it flows back into the oceans, where it will once more evaporate.
- (B). It rises into the atmosphere after that.
- (C). First of all, water evaporates from the surface of the earth.
- (D). Subsequently, it falls again to the surface as precipitation.
- (E). The evaporated water that rose up cools and condenses into rain or snow in clouds.

.....

(2 marks)

20. Title-

- (A) Finally, you should practice doing the presentation in front a mirror before delivering the presentation in front the audience.
- (B) Next, you can prepare detailed notes on the points you want to discuss and some of the ideas you may want to use during your presentation.
- (C) Your first step should be to pick a topic that will interest your audience.
- (D) After that, you can start designing your presentation slides.
- (E) You should secondly collect and read as much information as possible about your subject.
- (F) Once the slides are designed, get your presentation proof-read by someone.

.....

(2 marks)