





23. a) Write a paragraph of 200 words comparing Tab with mobile phones.

(OR)

- b) On the basis of your reading of the above passage make notes on it, using headings & Sub headings. Use recognizable abbreviations wherever necessary (minimum 4). Use a format you consider suitable. Supply an appropriate title to it:-

The work of the heart can never be interrupted. The heart's job is to keep oxygen rich blood flowing through the body. All the body's cells need a constant supply of Oxygen, especially those in the brain. The brain cells live only four to five minutes after their oxygen is cut off, and death comes to the entire body.

The heart is a specialized muscle that serves as a pump. This pump is divided into four chambers connected by tiny doors called valves. The chambers work to keep the blood flowing round the body in a circle.

At the end of each circuit, veins carry the blood to the right atrium, the first of the four chambers. 2/5 oxygen by then is used up and it is on its way back to the lung to pick up a fresh supply and to give up the carbon dioxide it has accumulated. From the right atrium the blood-flow through the tricuspid valve into the second chamber, the right ventricle. The right ventricle contracts when it is filled, pushing the blood through the pulmonary artery, which leads to the lungs – in the lungs the blood gives up its carbon dioxide and picks up fresh oxygen. Then it travels to the third chamber the left atrium. When this chamber is filled it forces the blood through the valve to the left ventricle. From here it is pushed into a big blood vessel called aorta and sent round the body by way of arteries.

Heart disease can result from any damage to the heart muscle, the valves or the pacemaker. If the muscle is damaged, the heart is unable to pump properly. If the valves are damaged blood cannot flow normally and easily from one chamber to another, and if the pacemaker is defective, the contractions of the chambers will become un-coordinated.

Until the twentieth century, few doctors dared to touch the heart. In 1953 all this changed after twenty years of work, Dr. John Gibbon in the USA had developed a machine that could take over temporarily from the heart and lungs. Blood could be routed through the machine bypassing the heart so that surgeons could work inside it and see what they were doing. The era of open heart surgery had begun.

In the operating theatre, it gives surgeons the chance to repair or replace a defective heart. Many parties have had plastic valves inserted in their hearts when their own was faulty. Many people are being kept alive with tiny battery operated pacemakers; none of these repairs could have been made without the heart – lung machine. But valuable as it is to the surgeons, the heart lung machine has certain limitations. It can be used only for a few hours at a time because its pumping gradually damages the bloods cells.

24. a) Sketch a letter to the Executive Director to a reputed company of your choice, seeking permission for one-month in-plant training during your winter vacation. Inform that you are sponsored by the college for the training and invent all other necessary details.

(OR)

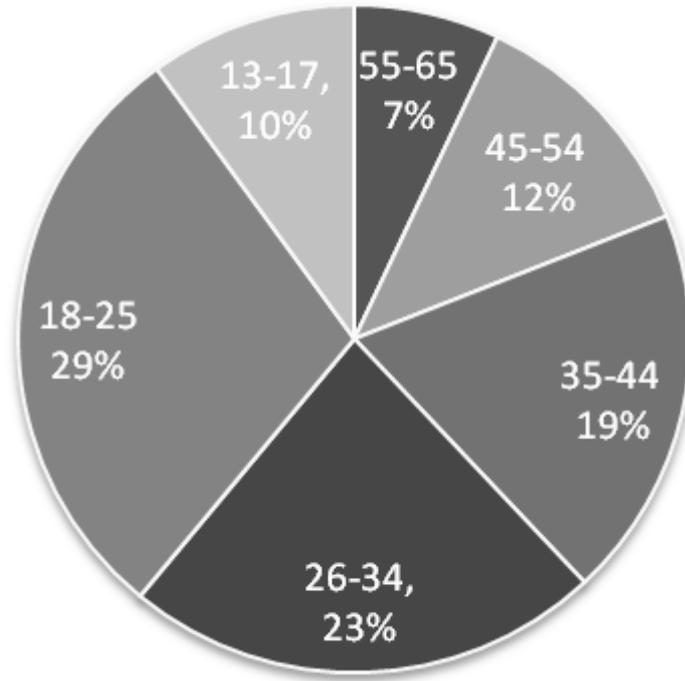
- b) You have recently ordered an item through the internet, but you are not happy with the purchase. Write to the company. In your letter: describe what you purchased, discuss why you are not happy with the purchase, tell them what you would like them to do about the

situation.

25. a) Formulate a report on the fire accident that took place in your industry. Assume the required information.

(OR)

- b) **Transcode the following graphical representations of US Facebook users by age, into meaningful paragraphs using linkers:**



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