

## English - FSC Part 2 English Chapter 14 Short Questions Preparation

Q1. What do you mean by spontaneous generation?

**Ans 1:** Spontaneous generation means the production of living things from nonliving things. Pasteur proved it a wrong concept. He claimed that if a substance is sufficiently heated, no bacteria would be produced in it.

Q2. Describe the early life of Pasteur?

**Ans 1:** Louis Pasteur was born in quite humble circumstances, at Dole in Jura District of France in 1822. At Arbois he attended, communal college where at first he did not show any interest in studies but later grasped his mistake and set himself in earnest at school. His family shifted to Besancon, from where he graduated and later on taught there.

Q3. When and whom did Pasteur marry?

**Ans 1:** He married the daughter of the Rector of Academy in Strasberg University in 1850. At that time he was the Deputy Professor of Chemistry at the University of Strasberg.

Q4. Give an account of Pasteur's discoveries.

**Ans 1:** Pasteur was a great scientist. He was a true lover of his people. He discovered the germs and treatment of many diseases of animals and human beings including hydrophobia, Anthrax, Silk worm disease and puerperal fever.

Q5. What qualities did Pasteur inherit from his father?

**Ans 1:** His father had served in Napoleon's military force and had won a medal for bravery and faithfulness. He inherited bravery and faithfulness from his father.

Q6. How did Pasteur show the way to other scientists?

**Ans 1:** Pasteur proved that diseases are caused by germs and germs can be killed. The fame gained by Pasteur motivated other scientists to try similar methods of cure for other diseases. In just 10 years from 1880 to 1890, they discovered the germs of consumption, diphtheria, typhoid, lock pain, cholera and Malta Fever.

Q7. Give some instances of Pasteur's patriotism.

**Ans 1:** Pasteur's love for France was so intense that he tried to enroll himself twice in the National Guard despite his physical incapacity. He offered all his worldly wealth for the country. His work on brewing proved very beneficial for France. He donated all his wealth to France. When France went to war with Germany in 1870, he again tried to fight for France.

Q8. How did Pasteur discover treatment for cattle disease, Anthrax?

**Ans 1:** Pasteur cultivated the Anthrax germs in such a way that they become weak, He injected them into the body of an animal suffering from Anthrax, The animal developed a slight form of the disease first but recovered. He found out that the method protected the animal from the deadly form of the disease.

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Q9. What did Pasteur discover about bacteria in milk?

**Ans 1:** He discovered that some germs in milk are very difficult to destroy, The bacteria in milk can be destroyed if temperature is raised 10 C above boiling point.

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Q10. What is vaccine?

**Ans 1:** Vaccine means weakened germs. These are injected in measured quantities into the body of a person to create immunity. Pasteur initiated this treatment of the disease.

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