



মণিপুরৰ শ্বৰে সৰস্বতী (স)

DEPARTMENT OF EDUCATION (S)

Government of Manipur

CLASS IX

DISASTER MANAGEMENT

UNIT V

CHAPTER 3

MAN MADE DISASTER – NUCLEAR, BIOLOGICAL AND CHEMICAL

SOLUTIONS

EXERCISES

Q1. What do you mean by nuclear weapons?

Ans:- By nuclear weapons we mean those bombs or other warheads which derive their force from nuclear fission, nuclear fusion, or both.

Q2. How are the nuclear weapons delivered?

Ans:- Nuclear weapons can be delivered by aircrafts, missiles or other system.

Q3. What are Atom bombs? When and where was the first Atom bomb dropped?

Ans:- Fission nuclear bombs are known as Atom bombs. The first Atom bomb was dropped over Hiroshima, Japan, by the U.S.A. on 6th August, 1945.

Q4. What are biological weapons? What prohibited the use of biological weapons and why?

Ans:- Biological weapons include many bacteria causing Anthrax, Brucellosis, Typhus, and viruses causing diseases like Equine Encephalitis.

The Geneva Protocol of 1925 prohibited the use of biological weapons because of the horrors caused by them during the First World War.

Q5. Name two leading countries which built huge stockpiles of biological weapons during the Cold War era?

Ans:- The U.S.A. and the erstwhile U.S.S.R.



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Q6. What are chemical weapons?

Ans:- Chemical weapons include choking agents such as chlorine and phosgene gases; blood agents such as hydrogen cyanide which block red blood cells from taking up oxygen; blister agents like sulphur gas which burn and blister the skin; and nerve agents such as Tabun, Sarin, Soman etc. which block the transmission of nerve impulses to the muscles, heart and diaphragm.

Q7. What are the toxic gases that had leaked from the Union Carbide factory of Bhopal in 1984?

Ans:- Highly poisonous Methyl Isocyanate gas along with Hydrogen Cyanide and other reaction products leaked out of the pesticide factory of Union Carbide into of the night air of Bhopal at around 12.30 a.m. on December 2-3, 1984.



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