

Chapter – 7 | Human Health and Disease**QUIZ
PART-11**

1. Heroin is chemically known as:

- A. Morphine
- B. Diacetylmorphine
- C. Nicotine
- D. Atropine (B)

Explanation : Heroin is diacetylmorphine, formed by the acetylation of morphine.

2. The opium poppy is:

- A. Cannabis sativa
- B. Papaver somniferum
- C. Erythroxylum coca
- D. Nicotiana tabacum (B)

Explanation : Morphine is obtained from the latex of Papaver somniferum.

3. Heroin mainly acts as a:

- A. Stimulant
- B. Depressant
- C. Antibiotic
- D. Vaccine (B)

Explanation : Heroin slows down the functions of the central nervous system.

4. Natural cannabinoids are obtained from:

- A. Atropa belladonna
- B. Cannabis sativa
- C. Papaver somniferum
- D. Nicotiana tabacum (B)

Explanation : Cannabinoids are obtained mainly from the inflorescences of Cannabis sativa.

5. Cocaine is obtained from:

- A. Erythroxylum coca
- B. Cannabis sativa
- C. Datura
- D. Papaver somniferum (A)

Explanation : Cocaine is a coca alkaloid obtained from the South American plant Erythroxylum coca.

6. Cocaine affects the transport of:

- A. Insulin
- B. Dopamine
- C. Thyroxine
- D. Pepsin (B)

Explanation : Cocaine blocks dopamine reuptake, producing stimulation and euphoria.

7. The botanical name of tobacco is:

- A. Coffea Arabica
- B. Nicotiana tabacum
- C. Withania somnifera
- D. Cannabis sativa (B)

Explanation : Tobacco products are mainly obtained from Nicotiana tabacum.

8. The addictive alkaloid in tobacco is:

- A. Atropine
- B. Morphine
- C. Nicotine
- D. Cocaine (C)

Explanation : Nicotine is the main addictive chemical present in tobacco.

9. Nicotine directly stimulates the:

- A. Adrenal glands
- B. Thyroid gland
- C. Pancreas
- D. Salivary glands (A)

Explanation : Adrenal stimulation releases adrenaline and noradrenaline, increasing heart rate and blood pressure.

10. Which smoking-related disease damages alveoli?

- A. Bronchitis
- B. Emphysema
- C. Gastric ulcer
- D. Hypertension (B)

Explanation : Emphysema damages alveolar walls and reduces the surface available for gaseous exchange.