PHB

Dr. Arvind Kumar Gupta
(M.Pharm, PDCR, PGDMM & Ph.D)
GATE 2003 Qualified with 97.2 percentile
Dr. S. N. Dev College of Pharmacy
Shamli (U.P.)

OFFICE: BUILDING No. 3/314, OFFICE-1, GAUSHALA ROAD, SHAMLI DISTRICT SHAMLI (U.P.) – 247776
Mobile: +91-9719638415
Email: arvindrkgit@gmail.com

Course Name	**: D. Pharm**
Year	**: First Year**
Subject Name	**: Pharmaceutics**
Topic Name	**: EXTRACTION**

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EXTRACTION

MULTIPLE CHIOCE QUESTION

1. Which of the following is a common application of liquid-liquid extraction?

   A) Separation of alcohol from water

   B) Separation of solid particles from a liquid

   C) Separation of gases from a liquid

   D) Separation of insoluble compounds from a liquid

   Answer: A) Separation of alcohol from water

2. Gas-liquid extraction is often used in the extraction of:

   A) Aromatic compounds

   B) Heavy metals

   C) Polar compounds

   D) Volatile compounds

   Answer: D) Volatile compounds

3. Supercritical fluid extraction is commonly employed in the extraction of:

   A) Polar compounds

   B) Non-volatile compounds

   C) Insoluble compounds

   D) Aromatic compounds

   Answer: A) Polar compounds

4. Which of the following is a typical application of solid-liquid extraction?

   A) Extraction of caffeine from coffee beans

   B) Extraction of essential oils from plant materials

   C) Extraction of heavy metals from wastewater

   D) Extraction of volatile compounds from air

   Answer: A) Extraction of caffeine from coffee beans

5. Liquid-liquid extraction is widely used in the purification of:

   A) Aqueous solutions

   B) Crude oil

   C) Natural gas

   D) Organic compounds

   Answer: D) Organic compounds

6. Gas-liquid extraction is commonly employed in the extraction of:

   A) Essential oils

   B) Heavy metals

   C) Polar solvents

   D) Gaseous pollutants

   Answer: D) Gaseous pollutants

7. Supercritical fluid extraction finds applications in the extraction of:

   A) Lipids

   B) Heavy metals

   C) Aromatic compounds

   D) Non-polar solvents

   Answer: A) Lipids

8. Solid-liquid extraction is frequently used in the extraction of:

   A) Metals from ores

   B) Gases from liquids

   C) Hydrocarbons from crude oil

   D) Aqueous solutions

   Answer: A) Metals from ores

9. Liquid-liquid extraction is often employed in the separation of:

   A) Polar solvents

   B) Non-polar solvents

   C) Immiscible liquids

   D) Aromatic compounds

   Answer: C) Immiscible liquids

10. Supercritical fluid extraction is useful in the extraction of:

    A) Polar and non-polar compounds

    B) Solids only

    C) Volatile compounds

    D) Water-soluble compounds

    Answer: A) Polar and non-polar compounds