



**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:** arindrkgit@gmail.com

**Course Name : D. Pharm**

**Year : First Year**

**Subject Name : Pharmaceutics**

**Topic Name : Pharmaceutical Aid**

**MULTIPLE CHOICE QUESTION**

1. Which compound is commonly used as a natural yellow coloring agent derived from the stigma of *Crocus sativus* flowers?

- a) Tartrazine
- b) Annatto
- c) Saffron
- d) Carmine

**Answer: c)** Saffron

2. What is the primary coloring compound found in turmeric, which gives it a vibrant yellow-orange hue?

- a) Curcumin
- b) Beta-carotene
- c) Lycopene
- d) Anthocyanin

**Answer: a)** Curcumin

3. Which of the following is NOT a common synthetic coloring agent?

- a) Tartrazine
- b) Carmine
- c) Allura Red
- d) Chlorophyll

**Answer: d)** Chlorophyll

4. What compound is responsible for the red color of strawberries and is sometimes used as a natural coloring agent?

- a) Anthocyanin
- b) Beta-carotene
- c) Lycopene
- d) Curcumin

**Answer: a)** Anthocyanin

5. Which synthetic coloring agent is commonly used to give a vibrant red color to foods and beverages?

- a) Allura Red
- b) Titanium dioxide

c) Indigo Carmine

d) Sunset Yellow

**Answer: a)** Allura Red

**6.** What natural coloring agent is derived from the seeds of the tropical achiote tree and imparts a yellow to orange color?

a) Tartrazine

b) Annatto

c) Caramel

d) Riboflavin

**Answer: b)** Annatto

**7.** Which of the following is a natural green coloring agent derived from chlorophyll?

a) Quinoline Yellow

b) Indigo Carmine

c) Brilliant Blue FCF

d) Chlorophyllin

**Answer: d)** Chlorophyllin

**8.** Which coloring agent is commonly used in caramel candies, soft drinks, and sauces to provide a brown color?

a) Tartrazine

b) Carmine

c) Caramel

d) Annatto

**Answer: c)** Caramel

**9.** What compound is responsible for the blue color of blueberries and is sometimes used as a natural coloring agent?

a) Indigo Carmine

b) Brilliant Blue FCF

c) Anthocyanin

d) Turmeric

**Answer: c)** Anthocyanin

**10.** Which synthetic coloring agent is commonly used in dairy products, sweets, and soft drinks to give a yellow-orange color?

a) Sunset Yellow

b) Indigo Carmine

c) Allura Red

d) Carmine

**Answer: a)** Sunset Yellow