



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 : Capsule

MULTIPLE CHOICE QUESTION**• Composition of Capsules**

1. Gelatin capsules are primarily composed of which type of protein?

- a) Collagen
- b) Keratin
- c) Elastin
- d) Myosin

Answer: a) Collagen

2. Vegetarian capsules are commonly made from which of the following materials?

- a) Gelatin
- b) Starch
- c) Cellulose
- d) Chitosan

Answer: c) Cellulose

3. HPMC capsules are derived from:

- a) Animal collagen
- b) Plant cellulose
- c) Synthetic polymers
- d) Microcrystalline cellulose

Answer: b) Plant cellulose

4. Enteric-coated capsules may contain which of the following substances in their coating?

- a) Gelatin
- b) Cellulose acetate phthalate
- c) Starch
- d) Hydroxypropyl methylcellulose

Answer: b) Cellulose acetate phthalate

5. Soft gelatin capsules consist of a shell containing a liquid or semi-solid fill, typically made from:

- a) Gelatin and plasticizers
- b) Gelatin and starch
- c) Gelatin and cellulose

d) Gelatin and acrylates

Answer: a) Gelatin and plasticizers

6. Which of the following is NOT a common component of capsule shells?

a) Plasticizers

b) Preservatives

c) Coloring agents

d) Opacifying agents

Answer: b) Preservatives

7. Enteric-coated capsules are designed to resist disintegration and dissolution in the:

a) Stomach

b) Small intestine

c) Colon

d) Mouth

Answer: a) Stomach

8. Vegetarian capsules are suitable for individuals who avoid animal-derived products due to:

a) Allergies

b) Religious beliefs

c) Cultural preferences

d) All of the above

Answer: d) All of the above

9. HPMC capsules are considered an alternative to gelatin capsules for which group of individuals?

a) Vegetarians

b) Vegans

c) Individuals with religious dietary restrictions

d) All of the above

Answer: d) All of the above

10. The primary purpose of plasticizers in capsule shell formulation is to:

a) Provide elasticity and flexibility

b) Enhance capsule color

c) Increase capsule size

d) Reduce capsule weight

Answer: a) Provide elasticity and flexibility