



SHABEENA PARVEEN (M. Pharm, Ph.D (Pur.))

HOD

**Veer Vijay Pharmacy College, Chhutmalpur
Saharanpur, Uttar Pradesh.**

D. Pharm Exit Exam - 2024

Course Name	: D. Pharm
Year	: First Year
Subject Name	: Pharmaceutics
Topic Name	: Gels

MULTIPLE CHOICE QUESTION

1. What is the primary function of a pharmaceutical gel?

- A) Lubrication
- B) Drug delivery
- C) Antiseptic action
- D) Coloring

Answer: B) Drug delivery

2. Which of the following is NOT a type of pharmaceutical gel?

- A) Hydrogel
- B) Lipogel
- C) Hydroalcoholic gel
- D) Emulgel

Answer: B) Lipogel

3.substance is commonly used as a gelling agent in pharmaceutical gels?

- A) Water
- B) Ethanol
- C) Carbomer
- D) Paraffin oil

Answer: C) Carbomer

4. What is the role of a gelling agent in pharmaceutical gels?

- A) Enhance flavor
- B) Provide color
- C) Improve consistency
- D) Increase solubility

Answer: C) Improve consistency

5.is suitable for delivering drugs through the skin?

- A) Ophthalmic gel
- B) Vaginal gel
- C) Transdermal gel
- D) Oral gel

Answer: C) Transdermal gel

6. Which factor influences the rheological properties of pharmaceutical gels?

- A) pH
- B) Temperature
- C) Particle size
- D) Colorant concentration

Answer: B) Temperature

7. Which type of pharmaceutical gel is used for the treatment of eye conditions?

- A) Vaginal gel
- B) Oral gel
- C) Ophthalmic gel
- D) Transdermal gel

Answer: C) Ophthalmic gel

8. Which characteristic of pharmaceutical gels makes them suitable for sustained drug release?

- A) High solubility
- B) Low viscosity
- C) Thixotropy
- D) Rapid absorption

Answer: C) Thixotropy

9. Which pharmaceutical gel is applied directly onto the skin for localized pain relief?

- A) Vaginal gel
- B) Rectal gel
- C) Transdermal gel
- D) Nasal gel

Answer: C) Transdermal gel

10.technique is commonly used for the preparation of pharmaceutical gels?

- A) Distillation
- B) Filtration
- C) Extrusion
- D) Homogenization

Answer: D) Homogenization

11. Which property of pharmaceutical gels allows them to adhere to mucosal surfaces?

- A) Viscosity
- B) Density
- C) Transparency
- D) pH

Answer: A) Viscosity

12. Which pharmaceutical gel is specifically designed for application in the nasal cavity?

- A) Vaginal gel
- B) Oral gel
- C) Nasal gel
- D) Rectal gel

Answer: C) Nasal gel

13. Which method is NOT used for evaluating the viscosity of pharmaceutical gels?

- A) Capillary viscometry
- B) Rotational viscometry
- C) Nuclear magnetic resonance (NMR)
- D) Cone and plate rheometry

Answer: C) Nuclear magnetic resonance (NMR)

14. Which pharmaceutical gel is used for the treatment of vaginal infections?

- A) Ophthalmic gel
- B) Nasal gel
- C) Rectal gel
- D) Vaginal gel

Answer: D) Vaginal gel

15. Which type of pharmaceutical gel is designed to be swallowed?

- A) Ophthalmic gel
- B) Oral gel
- C) Nasal gel
- D) Transdermal gel

Answer: B) Oral gel

16. Which property of pharmaceutical gels ensures that they remain in place after application?

- A) Bioavailability
- B) Mucoadhesion

C) Transparency

D) pH

Answer: B) Mucoadhesion

17. Which pharmaceutical gel is used for the treatment of rectal conditions?

A) Oral gel

B) Nasal gel

C) Vaginal gel

D) Rectal gel

Answer: D) Rectal gel

18. Which method is used to sterilize pharmaceutical gels without damaging their properties?

A) Autoclaving

B) Filtration

C) Irradiation

D) Lyophilization

Answer: B) Filtration

19. Which pharmaceutical gel is applied onto the skin to relieve muscle pain?

A) Ophthalmic gel

B) Oral gel

C) Transdermal gel

D) Nasal gel

Answer: C) Transdermal gel

20. Which type of pharmaceutical gel is administered through the eye?

A) Ophthalmic gel

B) Nasal gel

C) Rectal gel

D) Vaginal gel

Answer: A) Ophthalmic gel

21. Which characteristic of pharmaceutical gels allows for easy removal from the container?

A) Mucoadhesion

B) Bioavailability

C) Spreadability

D) Viscosity

Answer: C) Spreadability

22. Which pharmaceutical gel is applied onto the skin to treat acne?

- A) Oral gel
- B) Ophthalmic gel
- C) Transdermal gel
- D) Topical gel

Answer: D) Topical gel

23. Which type of pharmaceutical gel is used for the treatment of allergies?

- A) Ophthalmic gel
- B) Nasal gel
- C) Rectal gel
- D) Vaginal gel

Answer: B) Nasal gel

24. Which property of pharmaceutical gels allows for easy dispersion in the body?

- A) Thixotropy
- B) Mucoadhesion
- C) Solubility
- D) Spreadability

Answer: C) Solubility

25. Which pharmaceutical gel is specifically designed for application in the mouth?

- A) Ophthalmic gel
- B) Oral gel
- C) Nasal gel
- D) Transdermal gel

Answer: B) Oral gel