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D. Pharm Exit Exam - 2024

Course Name	: D. Pharm
Year	: First Year
Subject Name	: Pharmacognosy
Topic Name	: Laxative

MULTIPLE CHOICE QUESTION

1. Castor oil is derived from which plant?

- a) Aloe vera
- b) Senna
- c) Ricinus communis
- d) Plantago ovate

Answer: c) Ricinus communis

2. Which component of castor oil is responsible for its laxative effect?

- a) Ricinoleic acid
- b) Anthraquinones
- c) Aloe-emodin
- d) Mucilage

Answer: a) Ricinoleic acid

3. Senna is derived from the leaves and pods of which plant?

- a) Aloe vera
- b) Ricinus communis
- c) Senna alexandrina
- d) Plantago ovate

Answer: c) Senna alexandrina

4. What is the primary mechanism of action of Senna as a laxative?

- a) Stimulation of peristalsis
- b) Softening of stool
- c) Lubrication of intestinal walls
- d) Absorption of water into the stool

Answer: a) Stimulation of peristalsis

5. Aloe is derived from the gelatinous substance found in which part of the plant?

- a) Leaves
- b) Stem
- c) Flowers
- d) Roots

Answer: a) Leaves

6. What is the active compound in Aloe responsible for its laxative effect?

- a) Anthraquinones
- b) Sennosides
- c) Mucilage
- d) Psyllium husk

Answer: a) Anthraquinones

7. Ispaghula husk is derived from which plant?

- a) Aloe vera
- b) Senna alexandrina
- c) Plantago ovata
- d) Ricinus communis

Answer: c) Plantago ovata

8. What is the primary mode of action of Ispaghula husk as a laxative?

- a) Stimulation of peristalsis
- b) Softening of stool
- c) Bulking of stool
- d) Lubrication of intestinal walls

Answer: c) Bulking of stool

9. Which laxative acts by forming a gel-like substance in the intestines, aiding in the passage of stool?

- a) Castor oil
- b) Senna
- c) Aloe
- d) Ispaghula

Answer: d) Ispaghula

10. Which laxative is known for its rapid onset of action?

- a) Castor oil
- b) Senna
- c) Aloe
- d) Ispaghula

Answer: a) Castor oil

11. What is the primary active component in Castor oil responsible for its laxative effect?

- a) Ricin
- b) Ricinoleic acid

c) Anthraquinones

d) Sennosides

Answer: b) Ricinoleic acid

12. Castor oil is obtained from the seeds of which plant?

a) Aloe vera

b) Ricinus communis

c) Senna alexandrina

d) Plantago ovate

Answer: b) Ricinus communis

13. What is the primary mechanism of action of Castor oil as a laxative?

a) Softening of stool

b) Stimulation of peristalsis

c) Absorption of water into the stool

d) Formation of a gel-like substance

Answer: b) Stimulation of peristalsis

14. Which of the following statements about Castor oil is true?

a) It is commonly used for its bulking effect on stool.

b) It is contraindicated during pregnancy due to its potential to induce uterine contractions.

c) It acts primarily by inhibiting water absorption in the colon.

d) It is derived from the leaves and pods of the Senna plant.

Answer: b) It is contraindicated during pregnancy due to its potential to induce uterine contractions.

15. What is the typical onset of action of Castor oil as a laxative?

a) Within minutes

b) Within hours

c) Within days

d) Within weeks

Answer: b) Within hours

16. Which of the following adverse effects is commonly associated with the use of Castor oil?

a) Hypokalemia

b) Hypertension

c) Bradycardia

d) Electrolyte imbalance

Answer: a) Hypokalemia

17. Castor oil is commonly used in the treatment of:

- a) Acne
- b) Migraine
- c) Constipation
- d) Hypertension

Answer: c) Constipation

18. What is the recommended dosage of Castor oil for adults as a laxative?

- a) 1 teaspoon
- b) 1 tablespoon
- c) 1 milliliter
- d) 1 capsule

Answer: b) 1 tablespoon

19. Castor oil is contraindicated in individuals with:

- a) Inflammatory bowel disease
- b) Hemorrhoids
- c) Diabetes
- d) Hypotension

Answer: a) Inflammatory bowel disease

20. Which of the following statements about Castor oil is false?

- a) It is commonly used as a natural remedy for promoting bowel movements.
- b) It is contraindicated in pediatric patients.
- c) It should be taken on an empty stomach for best results.
- d) It may cause nausea and abdominal cramping as side effects.

Answer: b) It is contraindicated in pediatric patients.

21. Senna is derived from the leaves and pods of which plant?

- a) Aloe vera
- b) Ricinus communis
- c) Senna alexandrina
- d) Plantago ovate

Answer: c) Senna alexandrina

22. What is the primary mechanism of action of Senna as a laxative?

- a) Softening of stool
- b) Stimulation of peristalsis
- c) Absorption of water into the stool

d) Formation of a gel-like substance

Answer: b) Stimulation of peristalsis

23. Aloe is derived from the gelatinous substance found in which part of the plant?

a) Leaves

b) Stem

c) Flowers

d) Roots

Answer: a) Leaves

24. What is the active compound in Aloe responsible for its laxative effect?

a) Anthraquinones

b) Sennosides

c) Mucilage

d) Psyllium husk

Answer: a) Anthraquinones

25. Which of the following statements about Senna is true?

a) It is commonly used for its bulking effect on stool.

b) It is contraindicated during pregnancy due to its potential to induce uterine contractions.

c) It acts primarily by inhibiting water absorption in the colon.

d) It is derived from the leaves and pods of the Aloe vera plant.

Answer: b) It is contraindicated during pregnancy due to its potential to induce uterine contractions.

26. What is the primary mode of action of Aloe as a laxative?

a) Softening of stool

b) Stimulation of peristalsis

c) Bulking of stool

d) Lubrication of intestinal walls

Answer: a) Softening of stool

27. Which laxative acts by forming a gel-like substance in the intestines, aiding in the passage of stool?

a) Senna

b) Aloe

c) Castor oil

d) Ispaghula

Answer: b) Aloe

28. Which of the following adverse effects is commonly associated with the use of Senna?

- a) Hypokalemia
- b) Hypertension
- c) Bradycardia
- d) Electrolyte imbalance

Answer: a) Hypokalemia

29. Which laxative is often recommended for individuals with hemorrhoids or anal fissures due to its gentle stool softening effect?

- a) Senna
- b) Aloe
- c) Castor oil
- d) Ispaghula

Answer: b) Aloe

30. Which of the following statements about Aloe is false?

- a) It is commonly used as a natural remedy for promoting bowel movements.
- b) It is contraindicated in pediatric patients.
- c) It should be taken on an empty stomach for best results.
- d) It may cause nausea and abdominal cramping as side effects.

Answer: b) It is contraindicated in pediatric patients.

31. Ispaghula husk is derived from which plant?

- a) Aloe vera
- b) Senna alexandrina
- c) Plantago ovata
- d) Ricinus communis

Answer: c) Plantago ovata

32. What is the primary mechanism of action of Ispaghula husk as a laxative?

- a) Softening of stool
- b) Stimulation of peristalsis
- c) Absorption of water into the stool
- d) Bulking of stool

Answer: d) Bulking of stool

33. Which of the following statements about Ispaghula is true?

- a) It is commonly used for its bulking effect on stool.
- b) It is contraindicated during pregnancy due to its potential to induce uterine

contractions.

c) It acts primarily by inhibiting water absorption in the colon.

d) It is derived from the leaves and pods of the Senna plant.

Answer: a) It is commonly used for its bulking effect on stool.

34. Which laxative acts by forming a gel-like substance in the intestines, aiding in the passage of stool?

a) Senna

b) Aloe

c) Castor oil

d) Ispaghula

Answer: d) Ispaghula

35. Ispaghula husk is commonly used in the management of which condition?

a) Constipation

b) Hypertension

c) Diabetes

d) Allergic rhinitis

Answer: a) Constipation

36. What is the recommended dosage of Ispaghula husk for adults as a laxative?

a) 1 teaspoon

b) 1 tablespoon

c) 1 gram

d) 1 capsule

Answer: c) 1 gram

37. Which of the following adverse effects is commonly associated with the use of Ispaghula?

a) Hypokalemia

b) Hypertension

c) Bradycardia

d) Abdominal bloating

Answer: d) Abdominal bloating

38. Which laxative is often recommended for individuals with hemorrhoids or anal fissures due to its gentle stool softening effect?

a) Senna

b) Aloe

c) Castor oil

d) Ispaghula

Answer: d) Ispaghula

39. Which of the following statements about Ispaghula is false?

a) It is commonly used as a natural remedy for promoting bowel movements.

b) It is contraindicated in pediatric patients.

c) It should be taken with plenty of water to prevent choking.

d) It may cause nausea and abdominal cramping as side effects.

Answer: b) It is contraindicated in pediatric patients.

40. Ispaghula husk is known by which other common name?

a) Psyllium

b) Mucilage

c) Anthraquinones

d) Ricinoleic acid

Answer: a) Psyllium