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D. Pharm Exit Exam - 2024

Course Name	: D. Pharm
Year	: First Year
Subject Name	: Pharmaceutical Chemistry
Topic Name	: Haematinics

MULTIPLE CHOICE QUESTION

1. Which of the following is a common haematinic used to treat iron deficiency anemia?

- a) Vitamin C
- b) Ferrous sulphate
- c) Vitamin B12
- d) Aspirin

Answer: b) Ferrous sulphate

2. Ferrous sulphate is typically administered via which route?

- a) Oral
- b) Intravenous
- c) Subcutaneous
- d) Inhalation

Answer: a) Oral

3. Ferrous ascorbate is a combination of:

- a) Iron and vitamin D
- b) Iron and folic acid
- c) Iron and vitamin C
- d) Iron and vitamin B12

Answer: c) Iron and vitamin C

4. Which formulation of iron supplement is less likely to cause gastrointestinal side effects?

- a) Ferrous sulphate
- b) Ferrous fumarate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: c) Carbonyl iron

5. Ferrous fumarate is commonly available in which form?

- a) Tablet
- b) Liquid
- c) Injection
- d) Suppository

Answer: a) Tablet

6. Which form of iron supplement is particularly suitable for individuals with gastrointestinal sensitivity?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: c) Carbonyl iron

7. The primary role of vitamin C in ferrous ascorbate is to:

- a) Enhance iron absorption
- b) Reduce iron toxicity
- c) Improve iron stability
- d) Act as an antioxidant

Answer: a) Enhance iron absorption

8. Ferrous fumarate is commonly used to treat:

- a) Vitamin A deficiency
- b) Iron overload
- c) Iron-deficiency anemia
- d) Hypertension

Answer: c) Iron-deficiency anemia

9. Which form of iron supplement is best absorbed on an empty stomach?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: a) Ferrous sulphate

10. Carbonyl iron is often recommended for:

- a) Pregnant women
- b) Children under 2 years old
- c) Individuals with inflammatory bowel disease
- d) Elderly individuals

Answer: c) Individuals with inflammatory bowel disease

11. Ferrous sulphate tablets should be stored:

- a) In a cool, dry place
- b) In the refrigerator

- c) Exposed to sunlight
- d) In a humid environment

Answer: a) In a cool, dry place

12. Ferrous ascorbate syrup should be stored:

- a) In a warm place
- b) Away from children
- c) In direct sunlight
- d) In the freezer

Answer: b) Away from children

13. Ferrous fumarate tablets should be stored:

- a) In airtight containers
- b) Under high humidity conditions
- c) Near heat sources
- d) Exposed to air

Answer: a) In airtight containers

14. Carbonyl iron capsules should be stored:

- a) In a humid environment
- b) In direct sunlight
- c) At room temperature
- d) In the refrigerator

Answer: c) At room temperature

15. Ferric ammonium citrate solution should be stored:

- a) In a dark place
- b) In a plastic container
- c) In glass containers only
- d) At high temperatures

Answer: c) In glass containers only

16. Which of the following iron supplements is known for causing less staining of teeth?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Ferrous fumarate
- d) Carbonyl iron

Answer: b) Ferrous ascorbate

17. Which iron supplement should be taken with food to reduce gastrointestinal irritation?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: a) Ferrous sulphate

18. Which form of iron supplement is less likely to cause constipation?

- a) Ferrous sulphate
- b) Ferrous fumarate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: b) Ferrous fumarate

19. What is the primary advantage of ferrous ascorbate over other iron supplements?

- a) Enhanced absorption
- b) Reduced gastrointestinal side effects
- c) Lower cost
- d) Longer shelf life

Answer: b) Reduced gastrointestinal side effects

20. Which iron supplement is commonly recommended for patients with gastric bypass surgery?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: c) Carbonyl iron

21. Ferrous fumarate is often preferred over ferrous sulphate due to:

- a) Lower cost
- b) Better bioavailability
- c) Reduced gastrointestinal side effects
- d) Longer shelf life

Answer: c) Reduced gastrointestinal side effects

22. Which iron supplement may be suitable for individuals with a history of allergic reactions to other forms of iron?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: c) Carbonyl iron

23. Ferric ammonium citrate is commonly used in the formulation of:

- a) Tablets
- b) Syrups
- c) Injections
- d) Suppositories

Answer: b) Syrups

24. Which iron supplement is least likely to cause gastrointestinal upset?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: c) Carbonyl iron

25. Which iron supplement is suitable for individuals with compromised kidney function?

- a) Ferrous sulphate
- b) Ferrous ascorbate
- c) Carbonyl iron
- d) Ferric ammonium citrate

Answer: d) Ferric ammonium citrate