

Duration: 3 hours

Total marks: 75

N.B. : 1. All questions are compulsory

2. Figures to right indicate full marks

Q. 1 Choose the appropriate option for following multiple choice based questions. 20

- 1 The B.Pharm course was first started in India in 1937 at
  - a. Madras Medical College
  - b. Banaras Hindu University
  - c. Punjab University
  - d. Bombay University
- 2 \_\_\_\_\_ is the condition when a patient continues to be under psychic and physical dependence on drugs
  - a. Tolerance
  - b. Addiction
  - c. Idiosyncrasy
  - d. Hypersensitivity
- 3 The order of dissolution of solid is
  - a. Powder>granules>tablets>capsules
  - b. Powder>granules>capsules>tablets
  - c. Capsules>granules>powders>tablets
  - d. Tablets>capsules>granules>powders
- 4 Which part of the prescription contains names and quantities of the prescribed ingredients?
  - a. Superscription
  - b. Subscription
  - c. Inscription
  - d. Signa
- 5 Fried's rule for calculating the approximate child's dose is given as
  - a. Dose of child= Age (in months) x 150/ Adult dose
  - b. Dose of child= Age (in months) x 20/ Adult dose
  - c. Dose of child= Age (in months) x Adult dose / 150
  - d. Dose of child= Age (in months) x Adult dose / 20
- 6 Compounded prescription are \_\_\_\_\_
  - a. Prepared extemporaneously
  - b. Prefilled
  - c. Over the counter
  - d. Not prescribed by physician.
- 7 1 scruple = \_\_\_\_\_ grain
  - a. 10
  - b. 20
  - c. 30
  - d. 40
- 8 An example of a mixture that tends to liquefy on mixing is \_\_\_\_
  - a. Aspirin and paracetamol
  - b. Tartaric acid and sodium bicarbonate
  - c. Menthol and camphor
  - d. Kaolin and thymol

- 9 Cachets consist of a dry powder enclosed in a shell, usually prepared from a mixture of
- rice flour and water
  - gram flour and water
  - polymer
  - gelatin
- 10 Mandl's paint is also known as .....
- Compound iodine paint
  - Aqueous iodine solution
  - Strong iodine solution
  - Lugols solution
- 11 .... are sweet, viscous liquid dosage forms of medicaments meant for cough relief.
- Linctus
  - Lozenges
  - Inhalations
  - Tablets
- 12 Syrup IP contains ..... % w/w of sugar.
- 66.7
  - 16.6
  - 60.5
  - 56.6
- 13 Cocoa butter is also known as
- Theobroma oil
  - Coconut oil
  - Mineral oil
  - Essential oil
- 14 Polyethylene glycol is also known as
- Witepsol
  - Macrogol
  - TWEEN
  - SPAN
- 15 The incompatibility arising out of prescribing diazepam and caffeine together is
- Physiological incompatibility
  - Chemical incompatibility
  - Therapeutic incompatibility
  - Physical incompatibility
- 16 Immiscibility causes which type of incompatibility
- Physical
  - Chemical
  - Therapeutic
  - Biochemical
- 17 Wool fat is an example of
- Hydrocarbon base
  - Absorption base
  - Water miscible base
  - Water soluble base

- 18 Following method is used when ointment base contains ingredients of different melting points
- Fusion method
  - Trituration method
  - Chemical reaction
  - Dilution method
- 19 Borax creams are generally made by the interaction of
- sodium borate and free acids in wool fat
  - boric acid and free acids in wool fat
  - boric acid and free acids in beeswax
  - sodium borate and free acids in beeswax
- 20 \_\_\_\_\_ types of formulations efficiently absorbs exudates
- Ointments
  - Pastes
  - Creams
  - Lotion

**Q. 2 Answer any two out of three questions.**

**20**

- Enlist various additives used in the formulation of liquid dosage forms. Explain preservatives used in liquid dosage forms
- Give the ideal properties, advantages and disadvantages of the suspensions. Explain in detail the formulation components of Suspensions.
- Explain with the help of example different methods of preparation of ointments.

**Q. 3 Answer any seven out of nine questions**

**35**

- Draw a representative prescription highlighting all its parts and elaborate on the parts in detail.
- Explain any three factors affecting Posology.  
50mg of a drug can be given to an adult. What will be the dose of the drug for a 9 months old infant?
- What are tablet triturates? Give their method of preparation.
- Write a note on bulk powders for external use.
- Explain in brief the instability of emulsions and methods to overcome them.
- Differentiate between Gargle and Mouthwash.
- Define displacement value. Calculate displacement value of zinc oxide from following values.
  - Weight of six unmedicated suppositories is 6g
  - Weight of six suppositories containing 40% zinc oxide is 8.8g
- Define incompatibility. Discuss one example each of physical and chemical incompatibility
- Write a note on excipients used in ointment and paste dosage forms

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