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D.Pharm Part-II End-Term Examination

PHARMACEUTICS - II

(Dispensing Pharmacy)

Full Marks – 80

Time – Three hours

The figures in the margin indicate full marks
for the questions.

1. Answer the following : (MCQ) (20X1=20)
- (i) The latin term " Semel in die" in the prescription means.
- (a) Twice a day
 - (b) Three times in a day
 - (c) Once a day
 - (d) None of these
- (ii) Dusting powders are dispensed in _____ containers.
- (iii) Signatura is the part of a prescription which indicates.
- (a) Direction to the pharmacist
 - (b) Direction to the patient
 - (c) Direction to the prescriber
 - (d) All of these
- (iv) Cachets are also known as _____.
- (a) capsule
 - (b) Tablet
 - (c) Wafer capsule
 - (d) Both a and c

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- (v) Dose for the child = Age in months/ 150 * AD is.
- (a) Young's formula
 - (b) Dilling's formula
 - (c) Clark's formula
 - (d) Fried's formula
- (vi) Therapeutic incompatibility is due to-
- (a) Contra indicated drugs
 - (b) Dosage
 - (c) Drug interaction
 - (d) All of these
- (vii) The main ingredients of elixirs are -
- (a) Aromatic water
 - (b) Medicated vehicle
 - (c) Ethyl alcohol
 - (d) Isopropyl alcohol
- (viii) Example of thickening agents in suspension-
- (a) Starch
 - (b) Sodium alginate
 - (c) Aluminium hydroxide
 - (d) All of these
- (ix) In non-flocculated suspension, the particle exists as
- (x) Identification test for pharmaceutical emulsion
- (a) Conductivity test
 - (b) Fluorescence test
 - (c) Both a and b
 - (d) None of these
- (xi) Example of emulsifying bases in suppository bases
- (a) Polyethylene glycols
 - (b) Theobroma oil
 - (c) Gelatin
 - (d) Massuppol
- (xii) A suppository is generally intended for use in
- (a) Rectum
 - (b) Vagina
 - (c) Urethra
 - (d) All of the above

(xiii) Antipruritic ointments are used to relieve

- (a) Fungal infection
- (b) Itching
- (c) Viral infection
- (d) Bacterial infection

(xiv) Haemodialysis is done to remove _____ from the blood.

(xv) Contact lenses are usually made from

- (a) Poly ethylene
- (b) Polymethyl methacrylate
- (c) Nylon
- (d) Polyvinyl chloride

(xvi) Example of antiperspirants

- (a) Aluminium hydroxide
- (b) Aluminium chlorohydrate
- (c) Aluminium carbonate
- (d) All of these

(xvii) Example of antidandruff agent is

- (a) Selenium disulphide
- (b) Calcium thioglycolate
- (c) Barium sulphide
- (d) Lead acetate

(xviii) Main ingredient in vanishing cream-

- (a) Cetyl Alcohol
- (b) Borax
- (c) Stearic acid
- (d) Triethanolamine

(xix) Displacement value of boric acid

- (a) 1.0
- (b) 1.5
- (c) 2.0
- (d) 4.0

(xx) Sodium oleate can be used as

- (a) Solubilising agent
- (b) Emulsifying agent
- (c) Detergent
- (d) All of these

2. Short answer questions (any Ten questions)

(10x3=30)

- (a) Write a note on modern methods of prescribing.
- (b) Calculate the weight of 250 ml of sulphuric acid whose density is 1.8g/ml.
- (c) Define incompatibilities in prescription. Shortly discuss types of incompatibilities.
- (d) Convert 30°C into °F.
- (e) Define idiosyncrasy and tachyphylaxis.
- (f) Define powder. What are the methods used for mixing of powders.
- (g) Write short note on liniments and lotion.
- (h) Differentiate between flocculated and non-flocculated suspension.
- (i) Define emulsion. discuss tests for identification of type of emulsion.
- (j) Differentiate between paste and ointments
- (k) Define pyrogen. Discuss evaluation of parenteral preparation.

3. Long answer questions (any Six questions)

(6x5=30)

- (a) Define Prescription. Briefly discuss the various parts of a prescription.
- (b) Define aseptic area. Briefly discuss formulation of eye drops.
- (c) Write short note on: (2.5+2.5=5)
 - (i) Total parenteral nutrition (TPN)
 - (ii) Hair dyes
- (d) Define shampoo. Discuss formulation of shampoos.
- (e) Briefly discuss classification of ointment bases.
- (f) Define posology. What are the factors influencing dose.
- (g) Write short note on: (2.5+2.5=5)
 - (i) Elixirs
 - (ii) Stability of emulsion