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**BP 103 T**  
**Pharmaceutics - I**  
**(711103)**



W-18

Max. Marks : 5

**P. Pages : 3****Time : Three Hours****Instructions to Candidates :**

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicates full marks.
6. Draw diagram whenever necessary.
7. Simple calculator is allow.

1. Multiple choice Questions (All questions are compulsory) each carry one mark 1x20  
=20
- a) The concentration of Sugar in syrup I.P.
- |              |               |
|--------------|---------------|
| i) 85% w/w   | ii) 66.7% w/v |
| iii) 85% w/v | iv) 66.7% w/w |
- b) The clear, sweetened, aromatic, hydro alcoholic preparation meant for oral use.
- |           |             |
|-----------|-------------|
| i) Syrup  | ii) Elixir  |
| iii) Drop | iv) Linctus |
- c) The symbol Rx must be written ----- prescribing medications.
- |             |                   |
|-------------|-------------------|
| i) after    | ii) at last       |
| iii) before | iv) none of these |
- d) Sterilized dosage form means
- |                               |                                 |
|-------------------------------|---------------------------------|
| i) Physically stable          | ii) Chemically stable           |
| iii) Free from micro-organism | iv) Free From Foreign particles |
- e) The following preparation intended for externally used without friction.
- |              |                   |
|--------------|-------------------|
| i) Liniments | ii) Lotions       |
| iii) Enemas  | iv) Suppositories |
- f) The rheological studies of suspension can be performed by using following form of instruments.
- |                    |                     |
|--------------------|---------------------|
| i) Viscometer      | ii) Microscope      |
| iii) Zeta analyzer | iv) Coulter counter |

g) The pharmaceutical excipients are ----- substances  
 i) inert ii) Toxic  
 iii) Therapeutically active iv) None of these

h) Suspension is ----- dosage form.

- i) Monophasic ii) Biphasic
- iii) Solid iv) Semi-solid

i) Arachis oil is the example of -----

- i) Fixed oil ii) Mineral oil
- iii) Volatile oil iv) None of these

j) The drug absorbs rapidly on ----- stomach.

- i) Full ii) Half
- iii) Empty iv) None of these

k) The ratio of oil: water: gum for primary emulsion of a fixed oil is -----

- i) 3: 2: 1 ii) 2: 2: 1
- iii) 4: 2: 1 iv) 1: 2: 4

l) What is the route of administration of enema?

- i) Oral ii) Nasal
- iii) Viginal iv) Rectal

m) Physical stability of suspension is determined by -----

- i) Faraday's law ii) Stokes law
- iii) Newton's law iv) None of these

n) Which of the following dosage form (Semisolids) contains a very high concentration of solids?

- i) Suspension ii) Cream
- iii) Paste iv) Ointment

o) Shake well before use is the direction for

- i) Syrup ii) Suspension
- iii) Solutions iv) Suppositories

p) Cocoa butter is ----- type of base

- i) Fatty base ii) Water miscible
- iii) Water soluble base iv) None of these

q) A drug is an intended for use in -----

- i) Diagnosis ii) Mitigation
- iii) Treatment iv) All of these

r) Cream is ----- dosage form

- i) Semisolid ii) Emulsion
- ii) Solid iv) Liquid

----- is amount of drug that displaces one part of base.

- i) Dislocation value ii) Displacement value
- iii) Dislodgement value iv) movement value

**2.** Long answer questions attempt **any two** each carry ten marks.

- a) What is prescription. Discuss in detail about parts of prescription. Add a note on prescription pricing.
  - b) Define ointment. Discuss methods of preparation of it. Add a note on ointment bases.
  - c) What is Dose of drug. Discuss various factor affecting posology.

$$2 \times 10 = 20$$

$$7 \times 5 = 35$$

3. Short answer questions attempt **any seven**

- a) Evaluation of suppositories.
  - b) Oral suspension.
  - c) Determine the displacement value of medicament in Theobroma oil suppositories containing 40% medicament, prepared in 1 gm mould. The weight of 10 suppositories are 14.66 gm.
  - d) Therapeutic incompatibility.
  - e) Differentiate bet<sup>n</sup> Flocculated and deflocculated suspension.
  - f) Enemas.
  - g) Pharmacy as a career.
  - h) Emulsifying Agents.
  - i) Identification tests of Emulsion

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