

Final Year (New) Pharmacy
PHARMACEUTICS - II
(201)

Time : Three Hours

Maximum Marks : 80

- Note :** i) Attempt total six questions.
ii) Question No. 1 is compulsory.
iii) From the remaining questions attempt any five.

1. Answer any five questions. 10

- a) Fill in the blanks.
 - i) Oil and water do not mix due to _____ between them.
 - ii) _____ is needed to suspend the chalk powder.
- b) Give the metric equivalent of the following:
 - i) 1 pint = _____ ml
 - ii) 1 pound = _____ gm
- c) Translate the following Latin terms into English:
 - i) Mitte —
 - ii) Pro re nata
- d) State True/False
 - i) Aspirin powder requires double wrapping
 - ii) Acacia is secondary emulsifying agent.
- e) Give one example each of the following:
 - i) W/O emulsifying agent
 - ii) Absorption base
- f) Give the therapeutic dose of the following :
 - i) Diazepam —
 - ii) Ampicillin

2. Attempt any two : 14

a) How will you prepare 500 ml of 40% solution from 60% and 20% solution respectively.

b) i) Calculate the real strength of 40° OP alcohol in terms of proof spirit.

ii) Find the strength of 90% v/v alcohol in terms of proof spirit.

c) How will you dispense the following prescriptions

R_x

Strychnine HCl _____ gr $\frac{1}{60}$.

Fiat pulvis. Mitte tales decem.

3. Give reasons (any four): 14

a) Acacia emulsion should be suitably stored for long period.

b) Parenteral preparation must be free from pyrogens.

c) Tragacanth powder is added in mixture containing indiffusible solid. <http://www.rgpvonline.com>

d) Theobroma oil as suppositories base is not suitable for pessaries.

e) Large volume parenteral do not contain any preservative.

4. Differentiate any two of the following: 14

a) Flocculated suspension and Non-Flocculated suspension

b) Solution and Mixture

c) Ointment and Paste

5. Attempt any two: 14

a) Write particulars and qualities of a Label. Discuss general error which may be found during screening of a prescription.

b) Describe key ingredients, method of preparation and uses of effervescent granules.

c) Write notes on

i) Linctus

ii) Drop

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6. Attempt any two: 14
- a) Discuss layout of a Aseptic room
 - b) Describe briefly the manufacturing of parenteral preparation with a flow diagram.
 - c) Classify ointment base. Discuss merits and demerits of any two ointment base with examples.
7. Attempt any two: 14
- a) What are the causes of chemical incompatibilities? What will happen if alkaloidal salt is combined with alkaline substance and tannins.
 - b) Give classification and application of surfactants.
 - c) Classify briefly suppository base. Give the characteristic of an ideal suppository base.
8. Write short notes on any four : 14
- a) Characteristic of an ideal suspension
 - b) Pyrogen test
 - c) Lipstick
 - d) Depilatories
 - e) Antidandruff preparations

