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CL—04—2019

FACULTY OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY

D. Pharm. (First Year) EXAMINATION

MARCH/APRIL, 2019

PHARMACEUTICS

(Wednesday, 24-4-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—70

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Answer to the point only.

(iv) Illustrate your answer with neat sketches wherever necessary.

1. Solve any *five* of the following : 5×2=10

(a) Define Pharmacopoeia.

(b) Define Enemas.

(c) Enlist different additives used in the formulation of monophasic dosage forms.

(d) Mention different novel drug delivery system.

(e) What is isotonicity ?

(f) What is the difference between simple and compound powders ?

(g) Name any *four* standard books used in India.

2. Solve any *two* of the following : 2×6=12

(a) Explain in detail chemical incompatibility.

(b) Give advantages and disadvantages of emulsion.

(c) Give method of preparation of cat gut.

P.T.O.

3. Solve any *two* of the following : 2×6=12
- (a) Enlist different methods of extraction. Write in brief maceration.
 - (b) Define suppositories. Give its evaluation.
 - (c) Give stability parameters for suspension.
4. Solve any *two* of the following : 2×6=12
- (a) Write in brief about :
 - (i) Stabilizers
 - (ii) Colourants
 - (iii) flavours used in formation of monophasic dosage form.
 - (b) Discuss in brief about effervescent powders and granules.
 - (c) Describe in brief factors affecting dose of drug.
5. Solve any *two* of the following : 2×6=12
- (a) Define prescription. Give parts of prescription.
 - (b) Write in detail Indian Pharmacopoeia.
 - (c) Give advantages and disadvantages of solid dosage form.
6. Solve any *two* of the following : 2×6=12
- (a) Calculate the volume of 85% alcohol required to prepare 400 ml of 40% alcohol.
 - (b) Define and classify surgical dressings.
 - (c) Write in brief about different bases used in the preparation of suppositories.