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CM—04—2019

FACULTY OF PHARMACEUTICAL SCIENCE AND TECHNOLOGY

D.Pharm. (First Year) EXAMINATION

OCTOBER/NOVEMBER, 2019

PHARMACEUTICS

(Friday, 29-11-2019)

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 answers with neat sketch wherever necessary.

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

(a) Define Pharmaceutics.

(b) Define sterile and non-sterile dosage form.

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

(d) Define powders and granules.

(e) Write Young's and dillings formula to calculate child dose.

(f) Mention different system of weights and measures.

(g) Define the term synergism and antagonism.

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

(a) Define and classify powders.

(b) Define mouthwashes. Give method of preparation of mouthwash.

(c) Write in detail process of maceration.

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

(a) Define Emulsion. Describe in brief various methods used for the preparation of emulsion.

(b) Differentiate between flocculated and deflocculated suspension.

(c) Calculate the real strength of 30° O.P. and 40° U.P.

P.T.O.

4. Solve any *two* of the following : 2×6=12
- (a) Describe history and development of Indian pharmacopoeia.
 - (b) Write method of preparation and packaging of catgut.
 - (c) Define the term prescription. Write in brief about parts of prescription.
5. Solve any *two* of the following : 2×6=12
- (a) Define and classify surgical dressings.
 - (b) Explain in detail therapeutic incompatibility.
 - (c) Define Posology. Explain different factors affecting dose of drug.
6. Solve any *two* of the following : 2×6=12
- (a) Define suppository. Describe in brief the various types of suppositories.
 - (b) Calculate the value of 95% alcohol required to prepare 600 ml of 60% alcohol.
 - (c) Define Pharmacy. Write in brief about history and development of profession of pharmacy.