



MAN-003-045602

Seat No. _____

B. Voc. (Sem. VI) (CBCS) (Chemical Technology)

Examination

March / April - 2018

BVCT - 602 : Pharmaceutical Technology

Faculty Code : 003

Subject Code : 045602

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

1 (a) Answer the following questions : 10

- (1) Define Capsules.
- (2) 'Hygroscopic and Deliquescent materials are best suitable for filling in capsules.' True or False ?
- (3) Which dosage form is preferred for the powder having very less compressibility ?
- (4) What does it mean by sterile ?
- (5) Give definition of Tablets.
- (6) What is Bloom Strength ?
- (7) Give full form of SGC and CMC.
- (8) Name any two apparatus used to measure tablet hardness.
- (9) Define Tablet coating.
- (10) Which agent is added in the suspension to improve its stability ? Give its example.

(b) Answer the following questions :

20

- (1) What is BWFI ? Which specific ingredient is added in BWFI ?
- (2) What does it mean by F, D & C colors ? How do they differ from D & C colors ?
- (3) What are the advantages of liquid dosage forms ? (any four)
- (4) Write about the difficulties in capsule filling material and their remedies.
- (5) What are the needs of converting API into dosage forms ?
- (6) Write in brief about the ideal characteristics of excipients.
- (7) Why does the buccal route prefer over other routes? (Give any 4 reasons).
- (8) Draw a labelled diagram of processing of tablets.
Or Write in brief about the basic components of tablet press or tablet compression machine.
- (9) Enlist any 4 unofficial tests of tablet evaluation.
- (10) Give one example for each of the followings.
 - (i) Preservatives
 - (ii) Anti-microbial agents
 - (iii) Bulking agents
 - (iv) Aqueous vehicles

2 Answer any 4 out of the following 6 questions : **20**

- (1) Give the difference between SLPs and LVPs.
- (2) Give advantages of tablet dosage form.
- (3) Describe the various official tests for the evaluation of Tablets.
- (4) Give a detailed formulation of liquid dosage form.
- (5) Enlist the different types of coating. Write in brief about various tablet coating defects.
- (6) Give a detailed classification of clean area. Write in brief about the processes performed on different zones of industries.

3 Answer any 4 out of the following 6 questions : **20**

- (1) Give a detailed account on formulation of Tablets with examples for each category of ingredients.
- (2) Give a detailed account on general requirements of parenteral dosage forms.
- (3) Write in brief about different packaging materials for parenterals.
- (4) What are the objectives of tablet coating ? Enlist the steps involved in sugar coating.
- (5) Give advantages and limitations of parenteral dosage forms.
- (6) Give a detailed account on steps involved in manufacturing of capsule shell.