



**NCF-003-047404** Seat No. \_\_\_\_\_

**B. Voc. (Pharm. Analysis & QA) (Sem. IV)  
(CBCS) Examination**

April / May - 2017

**BVPAQA - 404 : Pharmaceutical Technology - I**

**Faculty Code : 003**

**Subject Code : 047404**

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

[Total Marks : 70

- Instructions :** (1) All questions are compulsory & carry equal marks.  
(2) Draw diagram and/or scheme wherever necessary.

1 (A) Answer the following questions : **10**

- (1) What is Filtration?
- (2) 'Filter cake is the reason for resistance in the filtration process.' True or false
- (3) What are different terminologies used for size reduction?
- (4) Give examples of positive and negative mixture (one for each).
- (5) Enlist different extraction processes.
- (6) A process for tincture made from organized drug is \_\_\_\_\_
- (7) Give any two examples of polymers used in plastic preparation.
- (8) Define Cosmetics.
- (9) Comment: Cork material of closure can be used to close the sterile products.
- (10) What is use of foundation cream?

(B) Answer the following multiple choice questions : **20**

- (1) Explain in brief various modes of size reduction.
- (2) What are the ideal properties of filter media?
- (3) Give classification of mills.

- (4) Write about the different factors affecting filtration process.
- (5) 200 gm of drug is given in which each (1) gm of drug retained 2 ml of Menstruum. There is 2000 ml of Menstruum to be used. Calculate volume in ml of Menstruum used as 1<sup>st</sup> part of Menstruum in double maceration.
- (6) What is the process of simple maceration?
- (7) Glass is made up of \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.
- (8) Enlist various evaluation parameters for Skin creams.
- (9) What are the different types of containers?
- (10) Write about various ideal characteristics of Nail lacquers.

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

- (1) Explain the general parts of mill or grinding equipment including accessories and special features.
- (2) Explain in detail Hammer mill with diagram.
- (3) Write a descriptive note on separation by sedimentation.
- (4) Explain in detail Soxhlet Apparatus including its diagram.
- (5) Give detailed description of Glass as a material for container.
- (6) Classify cosmetics/ cosmetic preparations.

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

- (1) Write a detailed note on Ball mill
- (2) Write a note on various preliminary treatments carried out before the commencement of filtration process.
- (3) Describe detailed process of double and triple maceration.
- (4) Give difference between followings :
  - (a) Infusion Extraction - Decoction Extraction
  - (b) Maceration Extraction - Infusion Extraction
- (5) Describe cold filling type of packaging system for Aerosols.
- (6) Enlist various skin creams and write in detail about cold cream.