



MAO-003-045603

Seat No. _____

B. Voc. (Chem. Tech.) (Sem. VI) (CBCS) Examination

March / April - 2018

BVCT - 603 : Industrial Formulation & GLP

Faculty Code : 003

Subject Code : 045603

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

[Total Marks : 70

1 (a) Answer the following questions : 10

- (1) Write application of disperse dye.
- (2) Define the pigment.
- (3) Enlist example of natural dye and synthetic dye.
- (4) Enlist classic theory for relation b/w color and constitute of molecule.
- (5) Classify the chromophore with example.
- (6) Enlist properties of dye.
- (7) Define weedicide.
- (8) What is advantage of SL formulation?
- (9) Enlist advantage of plant growth promoters
- (10) Enlist compound used in formulation of face powder.

(b) Answer the following questions : 20

- (1) Enlist disadvantage of SC formulation.
- (2) Write classification of plant growth promoter.
- (3) Classify the agriculture formulation based on application.
- (4) Give difference between chromophore and auxochrome.
- (5) Enlist advantage of water dispersible granule formulation.
- (6) Draw the structure of indole, 3 acetic acid and Gibberellin.
- (7) Write formulation of Monocrotophos
- (8) Enlist chemical constituent of shaving cream.
- (9) Enlist difference between plant growth promoters and plant growth inhibitor
- (10) What is composition of cold cream ?

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

- (1) What is Gibberellins in detail?
- (2) Explain SC formulation in detail.
- (3) Classify the dye based on constitute with example.
- (4) Explain synthesis and application of congo red dye.
- (5) Explain synthesis of urea with diagram.
- (6) Enlist step for formulation of vanishing cream with case study.

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

- (1) Explain formulation of sunscreen in detail.
- (2) Discuss synthesis of Monocrotophos
- (3) Explain synthesis and application of diamond black F dye.
- (4) Explain Anthraquinone dye.
- (5) 'What is plant growth inhibiting and explain in detail.
- (6) Discuss synthesis of Citral with application.
