

B.Tech. Eighth Semester (Food, Pulp & Paper, Oil & Paint and Petro. Tech.) (CGS)
11087 : Oil & Paint Technology - VI : 8 OT 01

P. Pages : 2

Time : Three Hours



AU - 3068

Max. Marks : 80

- Notes :
1. Answer **three** question from Section A and **three** question from Section B.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION - A

- | | | |
|----|---|----|
| 1. | Define | 13 |
| | i) Cold cream | |
| | ii) Cleansing cream & | |
| | iii) Vanishing cream. How will you prepare cleansing cream in your laboratory? How they are Tested? | |

OR

- | | | |
|----|---|--------------------|
| 2. | Starting with crude petroleum, how do you obtain paraffin wax? Also discuss paraffin wax properties & uses. | 13 |
| 3. | Give an account of preparation properties & industrial uses of. | 13 |
| | i) Esperto wax | ii) Japan wax |
| | iii) Carnauba wax | iv) Candelilla wax |

OR

- | | | |
|----|--|----|
| 4. | Give an evaluation of Shampoo. Discuss the raw materials used for manufacture of Shampoo, also describe the manufacturing process. | 13 |
| 5. | Give an account of essential characteristics of face powder. Also discuss the raw materials used. How will you prepare 25kg / day loose face powder? | 14 |

OR

- | | | |
|----|--------------------------------|----|
| 6. | Discuss about any two . | 14 |
| | i) Testing of Waxes. | |
| | a) Bees wax. | |
| | b) Micro crystallin waxes. | |

SECTION – B

7. Give an account of Raw material used in Lipstick. Also discuss the essential requirements & method of preparation of Lipstick. 13

OR

8. Discuss about fractional distillation in detail. Give a neat diagram & explain various stages in the process. 13
9. Describe the essential characteristics of good shaving cream. Discuss the raw materials used & manufacturing process. 13

OR

10. Describe the chemistry, properties & preparation of. 13

- i) Core oil
- ii) Cutting oil &
- iii) Lubricating greases

11. Give an account of method of production, properties & uses of 14

- i) TRO
- ii) HCO
- iii) Sebacic acid

OR

12. Discuss about **any two**. 14

- i) Foam Booster.
- ii) Waxes in cosmetics.
- iii) Nail polishes.

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