

**RAN-2303080202060001****M. Sc. (Sem.-II) Examination September - 2025****Chemistry Skill Based Elective Paper : Perfumes & Cosmetics (Paper-V)****Time: 2 Hours]****[Total Marks: 30**

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Figures to the right indicate full marks of the questions.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

Q.1. Answer any three of the following (15)

- (a) Give preparation and uses of methyl ester derivatives of, (i) Anthranilic acid, & (ii) Salicylic acid.
- (b) Describe extraction of essential oils from natural sources through steam distillation and solvent extraction.
- (c) Write key components of perfumes. Give characteristics of a good vehicle in perfume.
- (d) Give preparation of, (i) Vanilla extraction from vanilla beans, & (ii) Synthetic vanillin from guaiacol.

Q.2. Answer any three of the following (15)

- (a) Write various quality evaluation tests for cosmetic powders.
- (b) Give various characteristics of hair dye. Give composition and formulation of shampoo based oxidation hair dye.
- (c) Write a note on cleansing action of soaps. Differentiate various ionic additives in cleansing agents.
- (d) Give composition and formulation of, (i) Talcum powder, & (ii) Nail polish.