Q. P. Code: 22804

Time: 3 Hours   Marks: 70

NB: (1) All questions are compulsory
         (2) Figures to the right indicate full marks

Q.1 a) Give schedule M II requirement for Toothpaste.   (2)

     b) Give an account of bleach products   (3)

     c) Write a note on cuticle softener.   (2)

     d) Write a brief note on hair waving process.   (2)

     e) Write in brief on Dry shave preparations.   (3)

     f) Elaborate on bath salts.   (3)

Q.2 a) Discuss Sensitivity testing of cosmetic products done on human volunteers.   (4)

     d) Elaborate on Large scale manufacturing of vanishing cream   (3)

OR

     b) Write a note on face pack.   (3)

     c) Discuss the formulation and packing of antilice shampoo .   (4)

Q.3 a) Write a formula of Lather shaving cream . Discuss their Quality control tests with BIS

         specification.   (4)

     b) Enlist various Eye makeup products and write a note on any one.   (3)

     c) Write short note on (any one)   (4)

      i) Perfumes

      ii) Water used in cosmetics

Q .4   a) Discuss the formulation of Liquid foundation.   (3)

OR

     a)   Write a brief note on compact Rouge.   (3)

     b) Enlist the three reactants with examples used in permanent hair colourant and Write the

        sensitivity test done for the same.   (4)

     c) Discuss the Large scale manufacturing of Tooth Paste   .   (4)

Q. 5   a) Suggest a suitable formula of depilatory with role of each ingredient. Write the properties expected

         in depilatory product.   (3)

     b)) Discuss steps involved in manufacturing of Lipstick mentioning the equipment used in each step.

                                                                                                     (4)

OR

   b) Enumerate the various QC tests for Lipsticks. (4)

   c) Enlist the various causes of microbial contamination during manufacture of cosmetics and

      Elaborate on the methods to combat the same. (4)

Q.6 a) Give an account of Deodorants. (3)

OR

  a) Elaborate on Baby Shampoo. (3)

  b) Give an account of ingredients used in Nail Polish and enlist the QC tests performed on
    nail polish. (4)

  c) Classify Sunscreen products with examples. How is SPF determined? (4)

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