

UNIVERSITY OF MUMBAI

No.UG/ 28 of 2005

CIRCULAR :

A reference is invited to the scheme of papers at the B.Sc. degree course under the revised pattern vide this office Circular No.UG/334 of 2004 dated 11th August, 2004 and the Principals of the affiliated colleges in Science are hereby informed that the recommendation made by the Board of Studies in Chemistry at its meeting held on 19th October, 2004 has been approved by the Academic Council at its meeting held on 14th December, 2004 vide item No.4.4 and that in accordance therewith the first para of the Practical Organic Chemistry (6 units) appearing on page No.20 of the revised syllabus in the subject of Chemistry (3 and 6 units) at the T.Y.B.Sc. examination has been modified to read as under :-

PRACTICAL ORGANIC CHEMISTRY (6 UNITS)

(1) Separation of Organic Mixtures

25M

Quantitative separation of a binary organic mixture, base on the differences in the physical and chemical properties of the two components. One of the components should be purified by crystallization or distillation with the entire separated quantities, and the yields should be noted. One of the component should be characterized. The following types of mixtures may be given : (i) water soluble + water insoluble, (ii) two liquids differing significantly in b.p. (iii) a volatile liquid with a high melting solid, (iv) two compounds (both solid) differing in nature (Acid/phenol/base/neutral). Emphasis must be given on effectiveness of separation and purification (around 2g of each solid and 6-8 ml. of each liquid may be given for separation).

The weights of the separated crystallized and not crystallized products should be recorded. The quality of the products should be adjudged on the basis of m.p./b.p.

Mumbai 400 032

24th January, 2005

To,

The Principals of the affiliated colleges in Science.

A.C. 4.4/14.12.2004

No.UG/ 28-A

of 2005


for REGISTRAR.

24th January, 2005

Copy forwarded with compliments to the :-

- 1) the Dean, Faculty of Science,
- 2) the Chairman, Board of Studies in Chemistry.


for REGISTRAR.
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