

UG

CIRCULAR :-

A reference is invited to the scheme of papers relating to the Post-Graduate Diploma in Applied Statistics with Software (PGDASS) vide this office Circular No.UG/363 of 2005 dated 5th September, 2005 and the Head, University Department of Statistics, the Principals of the affiliated colleges in Arts, Science and Commerce and the Professor-cum-Director, Institute of Distance Education are hereby informed that the recommendation made by the Board of Studies in Statistics at its meeting held on 14th March, 2007 has been accepted by the Academic Council at its meeting held on 13th April, 2007 vide item No.4.6 and that in accordance therewith the syllabus in the subject of Paper IV-Decision Making and Forecasting at the Post Graduate Diploma in Applied Statistics with Software (PGDASS) has been revised as under and that the same will be brought into force with effect from the academic year 2007-2008.:-

PAPER-IV : DECISION MAKING AND FORECASTING

Topic

1. (A) Basic concepts of Forecasting and Decision Making
(B) Qualitative methods of Forecasting (Delphi, subjective Probabilities, Market Research)
2. Quantitative Techniques of Forecasting and Regression Model.
3. (A) Quantitative Techniques of Forecasting and other Casual Models.(Econometric, Input-Output, Leading Indicator)
(B) Quantitative Techniques of Forecasting time Series Model (Trend Projection)
4. Quantitative Techniques of Forecasting time Series Model (Smoothing and Decomposition).
5. (A) Quantitative Techniques of Forecasting and Box Jenkins Model.
(B) Selection of Right Forecasting Methods
6. (A) Decision Making and Quantitative Tools
(B) Decision Making and Qualitative Tools
7. Steps in Decision Making
8. Inventory Management and Introduction, Inventory control, Costs in Inventory problems, Techniques of Inv. Control and with selective control (ABC analysis, Usage rate and criticality).
9. Techniques f Inv. Control and with known demand and E.O.Q with uniform demand, prod. Runds of unequal length, with finite rate of replenishment, problem of E.O.Q. with shortage.
10. Techniques inv. Control and with uncertain demand and bufere stock Computation, Stochastic problems and uniform demand.
11. Techniques inv.Control and with price discounts
12. Microsoft Excel and 1
13. Microsoft Excel and 2
14. Financial Applications and Computation of net present value, future value and internal rate of return, converting effective interest rate to nominal rate, computing compound interest, accumulated value, discount, annuities etc.,
15. Break even analysis, standard/Marginal costing .

Reference Books :-

1. Financial Analysis with Microsoft Excel - T.R. Mayes, T.M. Suresh
2. Mastering Excel 2000 Premium Edition - Martin. Hansen
Klingher, BPB Publication, 1st Indian Edition.
3. Forecasting : Methods and Applications - Spyros G. Makridakis
Stevan C. Wheelwright, Rob J. Hyndman
4. Business Forecasting 7th Edition - Hanke, John, Wichern, Dean
Reltsch, Arthur prentice Hall.

MUMBAI-400 032

23rd May, 2007

for I/c. REGISTRAR

To,

The Head of the University Department of Statistics, the Principals of the affiliated colleges in Arts, Science and Commerce and the Professor-cum-Director, Institute of Distance Education,

A.C./4.06/13.04.2007

No.UG/ 221 - A of 2007, MUMBAI-400 032

23rd May 2007

Copy forwarded with compliments for information to :-

1. The Deans, Faculty of Arts, Science and Commerce
2. The Chairman Board of Studies in Statistics

for I/c. REGISTRAR

Copy to :-

The Director, Board of College and University Development, the Deputy Registrar (Eligibility and Migration Section), the Director of Students Welfare, the Executive Secretary to the Vice-Chancellor, the P.A. to the Vice-Chancellor, and the Registrar and the Assistant Registrar, Administrative sub-center, Rainagiri for information.

The Officer on Special Duty and Controller of Examinations (10 copies), the Finance and Accounts Officer (1 copy), Record Section (5 copies), Publications Section (5 copies), the Deputy Registrar, Enrolment, Eligibility and Migration Section (3 copies), the Deputy Registrar, Statistical Unit (2 copies), the Deputy Registrar (Academic Section), Vidyanaagari (2 copies), the Deputy Registrar, Affiliation Section (2 copies), the Director, Institute of Distance Education, (10 copies) the Director University Computer Center (IDE Building), Vidyanaagari (2 copies), the Deputy Registrar (Special Cell), the Deputy Registrar, (PRO), the Assistant Registrar, Academic Authorities (2 copies) and the Assistant Registrar, Executive Authorities Unit (2 copies). They are requested to treat this as a taken report on the concerned resolution adopted by the Academic Council referred to in the above Circular and no separate Action Taken Report will be sent in this connection. the Assistant Registrar, Constituent Colleges (1 copy), BUCT (1 copy), the Deputy Account, Unit V (1 copy), the In-charge Director, Centralize Computing (1 copy), the Receptionist (1 copy), the Telephone Operator (1 copy), the Secretary MUASA (1 copy), the Superintendent, Post-Graduate Section (2 copies), the Superintendent, Thesis Section (2 copies)