B. L. D. E. Association's

A. S. Patil College of Commerce (Autonomous)

Affiliated to Rani Channamma University, Belagavi

Nationally Re-Accredited for III Cycle (CGPA 3.28 out of 4) with 'A' Grade by NAAC

B. L. D. E. A's New Campus, Shri. B. M. Patil Road, Vijayapur - 586103

KARNATAKA

Department of Commerce
M.Com Programme

Value Added Course

in

"Quantitative Aptitude and Logical Reasoning"
VAC - 10
Regulations/Brochure and Scheme of Examination

(Programme Co-ordinator)
Prof. Fatima Begum

Principal,
A.S.Patil College of Commerce (Autonomous)
VIJAYAPUR-586103.

CO-ORDINATOR,
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BLDEA'S, A.S.P. College of Commerce,
VIJAYAPUR.

W.e.f. Academic Year 2020-21 & onwards

A.S. PATIL COLLEGE OFCOMMERCE (AUTONOMOUS), VIJAYAPUR

A NOTE ON AUTONOMOUS SYSTEM.

Autonomous status is conferred to our college under section 64 of K S.U Act 2000 from the academic year 2007-08 to 2012-13. Vide Order Nos.

1. Joint secretary of UGC letter No. F-22-1/2007(AC), Dated 3.4.2007
2. Dept. of Education (Higher) Govt. of Karnataka, Bangalore letter No. ED 149 UNE2007, Dated 19.10.2007
3. KUD's letter No. KU/CDC. Affil /Auto/2007-08/260/3511, Dated 14.12.2007
4. Extension of Autonomy: UGC-MHRD No.f.22-1/2015 (AC), Dated: 13-10-2015
5. Extension of Autonomy: UGC-MHRD No.f.22-1/2017 (AC), Dated: 15-07-2020

PREAMBLE:

College autonomy, in essence, is the potential for promoting academic advancement. An autonomous college will have the freedom to devise its academic regulations, curricula syllabi and modification thereof, evolve more effective method of teaching and learning, conduct its own examination and evaluation and making the improvements required for raising the quality of higher education. The final degree certificate will be awarded by RCU, Belagavi.

Now a days getting a job is very difficult in Government sector or private sector without mathematical knowledge especially in Quantitative Aptitude and Logical Reasoning, students must have the skill of solving the questions related to quantitative aptitude and logical reasoning. The main objective to start the Programme is to provide quality coaching for NET/K-SET/Bank/ SSC / Railways Exams etc. It is mainly for PG students to train them for competitive exams of central Government & State Government like Bank PO/ Clerk / SSC, RRB etc.

Looking into the aspects it is most reasonable and appropriate to provide the facility of studying 'Quantitative Aptitude and Logical Reasoning' to the students. The students who graduate themselves with "Quantitative Aptitude and Logical Reasoning" may have more confident and able to face competitive exams. The students who come out with the skill of solving problems in time may get jobs which they like by facing examinations and successfully they can achieve their goals. These are the few reasons to provide knowledge of 'Quantitative Aptitude and Logical Reasoning' to the students at degree level.

Value Added Course:

1) Name of the Course: Quantitative Aptitude and logical reasoning.

2) Course: All the PG Students are eligible for the Value added course.

3) Faculty: M.Com Regular Faculty & Guest Lecturer.

4) Intake: 40 Students.

5) Duration of Course: 40 hours.

6) Syllabus: Enclosed

7) Scheme of Instruction and Examination for the course:

Medium	Teaching hrs/week	Internal Assessment marks	Duration of exam	Total Marks
English	03	100	2 hr	100

8) Setting of question paper: Question Paper for the end course examination shall be set by internal paper setters in the pattern which they think right.

9) Internal assessment of 100 marks carrying 100 questions of objective type will be conducted.

10) Scheme of marks allotment

Exam	Internal Assessment marks	
	Max.	Min.
Objective Type	100	50

* There is no provision for revaluation, photocopy, recounting or retest.

11) The successful candidates shall be classified as shown under for the awards of class in the Value Added Course.

80 % and above	Distinction
70 % and above and less than or equal to 79 %	I- Class
60 % and above & less than or equal to 69%	II - Class
50 % and above & less than or equal to 59%	pass Class

12) Attendance: 75% attendance is mandatory for all the students to attend the internal assessment. A student who has between 60% to 74% attendance on ground of illness and any other unavoidable circumstance will have to seek condition.

13) The course certificate shall be issued to the passed candidate duly signed by the Co-ordinator, COE and Principal.

VALUE ADDED COURSE
"QUANTITATIVE APTITUDE AND LOGICAL REASONING"

COURSE INTRODUCTION

Quantitative reasoning is basically the application of mathematics skills in interpreting and analyzing real-life quantitative information. It is applicable in the context of an interdisciplinary problem or a discipline so as to draw judgments and conclusions which are relevant to several students and individuals in their normal lives.

WHAT IS COURSE ABOUT?

Quantitative Aptitude & Logical Reasoning:

In this section, students will have to solve short sets of facts or propositions, graphs, or other textual, pictorial or diagrammatic representations of numerical information and questions will be based on the above information. Students will have to develop a skill in deriving information from graphs and questions will be based on mathematical operations. The mathematical operations will require students to know concepts of such as ratios and proportions, basic algebra and statistical estimation.

COURSE OBJECTIVES

- To understand the mathematical techniques for solving the real life problems.
- To solve a question in fraction of minute using shortcut methods.
- To Engage in analyzing, solving, and computing real-world applications of finite and discrete mathematics,
- Use number-theory arguments to justify relationships involving divisors, multiples and factoring.
- To help students preparing for all competitive exams.

COURSE OUTCOME

- Students will be able to demonstrate the use of mathematical reasoning by justifying the patterns and relationships.
- Students will be able to face external competitive exams.
- Student will be able to solve a question in fraction of minute using shortcut methods.
- Student will be able to explain why mathematical thinking is valuable in daily life.

SYLLABUS

QUANTITATIVE APTITUDE

CONTENT:-

1. Number System.
2. HCF, LCM and Simplification
3. Algebraic Expression and Inequalities
4. Average
5. Percentage.
6. Simple and compound interest.
7. Profit and loss
8. Ratio, proportion and partnership.
9. Mixture and allegation
10. Time, Work and Pipes & Cisterns.
11. Time Speed and Distance.
12. Menstruation
13. Permutations and Combination
14. Probability
15. Data Interpretation
16. Data Sufficiency
17. Clock and Calendar
18. Trigonometry
19. Geometry

LOGICAL REASONING

CONTENTS: