



UG- LIFE SKILL COURSE

ANALYTICAL SKILLS(AS)

(w.e.f. 2020-2021 A.Y.)

| Semester | Course Code (LS) | Course Title | Hrs/Sem | Hrs/wk | Credits | Sem End Exam (2 Hrs) |
|----------|-------------------|-----------------------|---------|--------|---------|----------------------|
| III | Life skill course | Analytical skills(AS) | 30 | 2 | 2 | 50 Marks |

Course Objective: Intended to inculcate quantitative analytical skills and reasoning as an inherent ability in students.

Course Outcomes:

After successful completion of this course, the student will be able to;

- Understand the basic concepts of arithmetic ability, quantitative ability, logical reasoning, business computations and data interpretation and obtain the associated skills.
- Acquire competency in the use of verbal reasoning.
- Apply the skills and competencies acquired in the related areas
- Solve problems pertaining to quantitative ability, logical reasoning and verbal ability inside and outside the campus.

UNIT – 1:

(10 Hrs)

Arithmetic ability: Algebraic operations BODMAS, Fractions, Divisibility rules, LCM & GCD(HCF).

Verbal Reasoning: Number Series, Coding & Decoding, Blood relationship, Clocks, Calendars.

UNIT – 2:

(10 Hrs)

Quantitative aptitude: Averages, Ratio and proportion, Problems on ages, Time-distance–speed.

Business computations: Percentages, Profit & loss, Partnership, simple compound interest.

UNIT – 3:

(07 Hrs)

Data Interpretation: Tabulation, Bar Graphs, Pie Charts, line Graphs. Venn diagrams.

Recommended Co-Curricular Activities

(03 Hrs)

Surprise tests / Viva-Voice / Problem solving/Group discussion.

Text Book:

Quantitative Aptitude for Competitive Examination by R.S. Agrawal, S.Chand Publications.

Reference Books:

1. Analytical skills by Showick Thorpe, published by S Chand And Company Limited, Ramnagar, New Delhi-110055.
2. Quantitative Aptitude and Reasoning by R V Praveen, PHI publishers.
3. Quantitative Aptitude for Competitive Examination by Abhijit Guha, Tata Mc Graw Hill Publications.



MODEL QUESTION PAPER

LIFE SKILL COURSE
Semester: III
ANALYTICAL SKILLS(AS)

Time: 2Hrs

Max Marks: 50

SECTION – A

Answer any 4 questions. Each question carries 5 marks.

(4x5 = 20 M)

ఏదైనా 4 ప్రశ్నలకు సమాధానం ఇవ్వండి. ప్రతి ప్రశ్నకు 5 మార్కులు.

(Total 8 questions and at least two questions should be given from each unit)

ప్రతి యూనిట్ నుండి మొత్తం 8 ప్రశ్నలు మరియు కనీసం రెండు ప్రశ్నలు ఇవ్వాలి

1. Simplify (i) $896X896 - 204X204$.

(ii) $81X81 + 68X68 - 2X81X68$ సూక్ష్మీకరించండి

2. How many numbers between 11 and 90 are divisible by 7?

11 మరియు 90 అంతల మధ్య 7 చేత భాగించబడే అంకెలు ఎన్ని

3. What was the day of the week on the 16th April 2000?

2000 సంవత్సరంలో April 16 వ తేది వారంలో ఏ రోజు వచ్చును

4. Divide Rs 1162 among A, B, C in the ratio 35: 28: 20

1162 రూపాయలను A, B, C లకు 35: 28: 20 నిష్పత్తిలో భాగింపుము.

5. Evaluate (i) 28% of 450 + 45% of 280 in subjects

(ii) $16\frac{2}{3}\%$ of 600 gm - $33\frac{1}{3}\%$ of 180 gm లను ఉత్పాదించండి

6. If the radius of a circle is diminished by 10% what is the area is diminished?

వృత్తానికి వ్యాసార్థాన్ని 10% తగ్గిస్తే, దాని వైశాల్యంలో ఎంత శాతం తగ్గుతుంది.

7. What is meant by Bar diagram or Bar Charts?

బార్ పటము మరియు బార్ చార్టు లను నిర్వచించండి.

8. Venn diagram number of students passed in subjects

వేరు వేరు సబ్జెక్టులలో పాస్ అయిన విద్యార్థుల సంఖ్యను క్రింది వెన్ డయాగ్రామ్ లో ఇవ్వబడింది.

