



CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERN ZONE JOINT EXAMINATIONS SYNDICATE
FORM SIX PRE-NATIONAL EXAMINATIONS - 2023

Ailanga Lutheran Seminary School
FORM SIX SUBJECTS PERFORMANCE REPORT - 2023

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 3 | 0 | 0 | 3 | 7.0000 | 30/30 | 9/9 | 2/2 |

GRADE : A=0; B=0; C=0; D=0; E=0; S=0; F=3;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Measurement | 3 | 5 | 4 | 4.33 |
| Question 2 | 10 | Gravitation | 3 | 1 | 0 | 0.33 |
| Question 3 | 10 | Circular motion, gravitation | 3 | 3 | 0 | 1.67 |
| Question 4 | 10 | Projectile motion, Newton's law of motion | 3 | 3 | 0 | 1.00 |
| Question 5 | 10 | Heat | 3 | 4 | 0 | 1.50 |
| Question 6 | 10 | Heat | 2 | 0 | 0 | 0.00 |
| Question 7 | 10 | Environmental physics | 3 | 10 | 2 | 5.67 |
| Question 8 | 15 | Current electricity | 2 | 2 | 2 | 2.00 |
| Question 9 | 15 | Electronics | 1 | 10 | 10 | 10.00 |
| Question 10 | 15 | Electronics | 3 | 1 | 0 | 0.33 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Fluid dynamics | 3 | 9 | 2 | 5.33 |
| Question 2 | 20 | Waves | 3 | 7 | 0 | 4.17 |
| Question 3 | 20 | Properties of materials (matter) | 3 | 7 | 5 | 6.00 |
| Question 4 | 20 | Static electricity | 2 | 2 | 0 | 1.00 |
| Question 5 | 20 | Electromagnetism | 1 | 0 | 0 | 0.00 |
| Question 6 | 20 | Morden physics | 3 | 3 | 0 | 1.50 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Mechanics | 3 | 17 | 7 | 13.50 |
| Question 2 | 15 | Heat | 3 | 10 | 7 | 8.67 |
| Question 3 | 15 | Current electricity | 3 | 11 | 4.5 | 8.83 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 3 | 0 | 2 | 1 | 6.0000 | 26/32 | 6/10 | 1/2 |

GRADE : A=0; B=0; C=0; D=0; E=1; S=1; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Atomic structure | 3 | 7 | 5 | 6.17 |
| Question 2 | 10 | Chemical bonding | 3 | 7.5 | 0 | 3.50 |
| Question 3 | 10 | Gases | 3 | 3 | 2 | 2.67 |
| Question 4 | 10 | Relative molecular masses in solution | 3 | 10 | 2 | 6.50 |
| Question 5 | 10 | Inorganic (selected compounds of metals) | 3 | 3 | 0 | 1.00 |
| Question 6 | 10 | Thermochemistry | 3 | 10 | 1 | 5.00 |
| Question 7 | 10 | Chemical equilibrium | 3 | 4 | 0.5 | 2.00 |
| Question 8 | 15 | Organic chemistry (aliphatic hydrocarbons) | 3 | 3.5 | 2.5 | 2.83 |
| Question 9 | 15 | Organic chemistry (aromatic hydrocarbons) | 1 | 1 | 1 | 1.00 |
| Question 10 | 15 | Soil chemistry | 1 | 2 | 2 | 2.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Two components liquid system | 3 | 10.5 | 3 | 5.83 |
| Question 2 | 20 | Chemical kinetics | 3 | 15 | 6 | 9.00 |
| Question 3 | 20 | Buffer solution (Acid, base and salts) | 3 | 15 | 4 | 11.00 |
| Question 4 | 20 | Periodic classification | 2 | 3 | 1 | 2.00 |
| Question 5 | 20 | Transition elements | 3 | 10.5 | 4.5 | 8.33 |
| Question 6 | 20 | Carbonl compounds | 0 | 0 | 0 | 0.00 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Redox titration | 3 | 18 | 16.5 | 17.50 |
| Question 2 | 15 | Thermochemistry (energetic) | 3 | 5 | 3 | 3.83 |
| Question 3 | 15 | Qualitative analysis | 3 | 11 | 11 | 11.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIOLOGY | 3 | 0 | 1 | 2 | 6.3333 | 31/31 | 10/10 | 2/2 |

GRADE : A=0; B=0; C=0; D=0; E=1; S=0; F=2;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Cytology | 3 | 5 | 3 | 4.33 |
| Question 2 | 10 | Biochemistry | 3 | 0 | 0 | 0.00 |
| Question 3 | 10 | Principles of classification | 3 | 7.5 | 4 | 6.33 |
| Question 4 | 10 | Coordination | 3 | 5 | 0 | 3.33 |
| Question 5 | 10 | Nutrition | 3 | 2 | 0 | 0.67 |
| Question 6 | 10 | Reproduction | 3 | 4 | 0 | 1.33 |
| Question 7 | 10 | Respiration and gaseous exchange | 3 | 6 | 1 | 3.67 |
| Question 8 | 15 | Reproduction | 1 | 2 | 2 | 2.00 |
| Question 9 | 15 | Transport of materials | 1 | 0 | 0 | 0.00 |
| Question 10 | 15 | Respiration and gaseous exchange | 1 | 0 | 0 | 0.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Comparative groups of organisms | 3 | 10 | 10 | 10.00 |
| Question 2 | 20 | Evolution | 3 | 8 | 1 | 4.00 |
| Question 3 | 20 | Genetics | 3 | 20 | 18 | 19.00 |
| Question 4 | 20 | Growth and development | 3 | 7 | 0 | 3.00 |
| Question 5 | 20 | Osmoregulation, homeostasis and excretion | 3 | 12 | 0 | 4.67 |
| Question 6 | 20 | Ecology | 0 | 0 | 0 | 0.00 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Dissection (nutrition, classification, reproduction) | 3 | 14 | 7 | 11.17 |
| Question 2 | 15 | Cytology (biochemistry) | 3 | 7 | 2 | 4.00 |
| Question 3 | 15 | Principles of classification | 3 | 11 | 7.5 | 9.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 5 | 0 | 4 | 1 | 4.6000 | 25/39 | 8/12 | 1/2 |

GRADE : A=0; B=0; C=1; D=2; E=1; S=0; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 25 | Statistics | 5 | 22 | 1.5 | 9.00 |
| Question 2 | 15 | Photograph | 0 | 0 | 0 | 0.00 |
| Question 3 | 15 | Survey | 5 | 6 | 1 | 3.00 |
| Question 4 | 20 | Dynamic earth and Consequences | 5 | 12 | 0 | 5.80 |
| Question 5 | 20 | Soil | 2 | 16 | 14 | 15.00 |
| Question 6 | 20 | Water Masses | 5 | 19 | 9 | 13.80 |
| Question 7 | 20 | Space Dynamics | 2 | 7 | 0 | 3.50 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Population | 5 | 14 | 0 | 3.20 |
| Question 2 | 20 | Population | 5 | 20 | 16 | 17.70 |
| Question 3 | 20 | Agriculture | 2 | 20 | 12 | 16.00 |
| Question 4 | 20 | Tourism | 4 | 12 | 8 | 10.38 |
| Question 5 | 20 | Industry | 5 | 16 | 7 | 10.80 |
| Question 6 | 20 | Fishing | 4 | 15 | 12 | 13.75 |
| Question 7 | 20 | Fuel and power | 0 | 0 | 0 | 0.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|-----------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GENERAL STUDIES | 9 | 0 | 9 | 0 | 4.0000 | 15/39 | 4/12 | 1/2 |

GRADE : A=0; B=0; C=3; D=3; E=3; S=0; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 20 | Philosophy and religion | 1 | 10 | 10 | 10.00 |
| Question 2 | 20 | Contemporary and cross cutting issues | 7 | 12 | 8 | 10.43 |
| Question 3 | 20 | Democracy | 9 | 14 | 5 | 10.17 |
| Question 4 | 20 | Contemporary and cross cutting issues | 7 | 16 | 11.5 | 14.36 |
| Question 5 | 20 | Science and technology | 7 | 19 | 5 | 12.71 |
| Question 6 | 20 | International affairs | 8 | 11 | 2.5 | 7.63 |
| Question 7 | 20 | Globalization | 6 | 14 | 7 | 11.25 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| KISWAHILI | 1 | 0 | 1 | 0 | 5.0000 | 15/34 | 4/12 | 1/2 |

GRADE : A=0; B=0; C=0; D=0; E=1; S=0; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Ufahamu na ufupisho | 1 | 7.5 | 7.5 | 7.50 |
| Question 2 | 10 | Sarufi (aina za maneno) | 1 | 6 | 6 | 6.00 |
| Question 3 | 10 | Sarufi (kufasili maneono / istilahi) | 1 | 9 | 9 | 9.00 |
| Question 4 | 10 | Utumizi wa lugha | 1 | 7.5 | 7.5 | 7.50 |
| Question 5 | 20 | Uandishi | 0 | 0 | 0 | 0.00 |
| Question 6 | 20 | Maendeleo ya kiswahili | 1 | 6.5 | 6.5 | 6.50 |
| Question 7 | 20 | Maendeleo ya kiswahili | 1 | 16 | 16 | 16.00 |
| Question 8 | 20 | Tafsiri na ukalimani | 1 | 0 | 0 | 0.00 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Majigambo na ushairi | 1 | 5 | 5 | 5.00 |
| Question 2 | 10 | Fasihi simulizi | 1 | 0 | 0 | 0.00 |
| Question 3 | 10 | Fasihi simulizi | 1 | 0 | 0 | 0.00 |
| Question 4 | 10 | Usanifu wa maandishi | 1 | 4.5 | 4.5 | 4.50 |
| Question 5 | 20 | Fasihi simulizi | 1 | 1 | 1 | 1.00 |
| Question 6 | 20 | Riwaya | 0 | 0 | 0 | 0.00 |
| Question 7 | 20 | Tamthiliya | 1 | 4 | 4 | 4.00 |
| Question 8 | 20 | Tamthiliya | 1 | 12 | 12 | 12.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ENGLISH LANGUAGE | 1 | 0 | 1 | 0 | 2.0000 | 3/36 | 2/12 | 1/2 |

GRADE : A=0; B=1; C=0; D=0; E=0; S=0; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Introduction to language | 1 | 3 | 3 | 3.00 |
| Question 2 | 10 | Introduction to language | 1 | 9 | 9 | 9.00 |
| Question 3 | 10 | Introduction to language | 1 | 0 | 0 | 0.00 |
| Question 4 | 10 | Introduction to language | 1 | 8 | 8 | 8.00 |
| Question 5 | 20 | Word formation | 1 | 16 | 16 | 16.00 |
| Question 6 | 20 | Listening skills | 1 | 13 | 13 | 13.00 |
| Question 7 | 20 | Speaking | 0 | 0 | 0 | 0.00 |
| Question 8 | 20 | Translation and interpretation | 1 | 13 | 13 | 13.00 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Introduction to literature | 1 | 7 | 7 | 7.00 |
| Question 2 | 10 | Introduction to literature | 1 | 6 | 6 | 6.00 |
| Question 3 | 10 | Introduction to literature | 1 | 5 | 5 | 5.00 |
| Question 4 | 10 | Stylistics and communication | 1 | 10 | 10 | 10.00 |
| Question 5 | 20 | Novels | 1 | 18 | 18 | 18.00 |
| Question 6 | 20 | Plays | 1 | 13 | 13 | 13.00 |
| Question 7 | 20 | Poetry | 0 | 0 | 0 | 0.00 |
| Question 8 | 20 | Poetry | 1 | 18 | 18 | 18.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 6 | 0 | 6 | 0 | 4.6667 | 35/38 | 10/12 | 2/2 |

GRADE : A=0; B=0; C=0; D=4; E=0; S=2; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 20 | Political and economic development in Tanzania since independence | 6 | 12 | 1 | 6.08 |
| Question 2 | 20 | Africa and Europe in the 15th C | 6 | 14 | 5 | 10.67 |
| Question 3 | 20 | People of African origin in the new World | 4 | 14 | 11 | 12.50 |
| Question 4 | 20 | From colonialism to the First World War | 6 | 14 | 12 | 13.50 |
| Question 5 | 20 | Colonial economy and social services after Second World War | 0 | 0 | 0 | 0.00 |
| Question 6 | 20 | Pre-colonial African societies | 4 | 10.5 | 0 | 4.63 |
| Question 7 | 20 | Influence of external forces and the rise of nationalism in Africa | 4 | 12.5 | 5 | 10.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Neo-colonialism and underdevelopment in the third world countries | 6 | 18 | 0 | 15.00 |
| Question 2 | 20 | Imperialism and territorial division of the World | 5 | 14 | 6.5 | 10.40 |
| Question 3 | 20 | The rise of dictatorship in Germany, Italy and Japan | 6 | 14 | 6.5 | 9.92 |
| Question 4 | 20 | The emergence of USA as a super power nation | 2 | 5 | 0 | 2.50 |
| Question 5 | 20 | The rise of capitalism in Europe | 3 | 12 | 9 | 11.00 |
| Question 6 | 20 | The rise of socialism | 3 | 11 | 2.5 | 7.67 |
| Question 7 | 20 | Threat to the World peace after WWII | 4 | 11 | 7.5 | 9.50 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|---------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC APPLIED MATHEMATICS | 8 | 0 | 1 | 7 | 6.8750 | 27/38 | 9/12 | 1/2 |

GRADE : A=0; B=0; C=0; D=0; E=0; S=1; F=7;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Calculating devices | 8 | 5.5 | 0 | 3.38 |
| Question 2 | 10 | Functions | 8 | 6.5 | 0 | 1.06 |
| Question 3 | 10 | Algebra | 8 | 6 | 0 | 1.25 |
| Question 4 | 10 | Differentiation | 8 | 5.5 | 0 | 1.75 |
| Question 5 | 10 | Integration | 8 | 1 | 0 | 0.13 |
| Question 6 | 10 | Statistics | 8 | 3.5 | 0 | 2.13 |
| Question 7 | 10 | Probability | 8 | 4.5 | 0 | 1.06 |
| Question 8 | 10 | Trigonometry | 8 | 1.5 | 0 | 0.19 |
| Question 9 | 10 | Exponential and logarithmic functions | 8 | 4 | 0 | 0.50 |
| Question 10 | 10 | Matrices and linear programming | 7 | 7.5 | 0 | 3.07 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ECONOMICS | 5 | 0 | 2 | 3 | 6.2000 | 29/33 | 8/8 | 2/2 |

GRADE : A=0; B=0; C=0; D=0; E=2; S=0; F=3;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Subject matter of economics | 5 | 4 | 0 | 2.30 |
| Question 2 | 10 | Trade cycle | 5 | 10 | 0 | 2.80 |
| Question 3 | 20 | Theory of demand and supply | 1 | 2.5 | 2.5 | 2.50 |
| Question 4 | 20 | Theory of firm | 5 | 9 | 0 | 3.60 |
| Question 5 | 20 | Concept of market | 4 | 3 | 0 | 0.75 |
| Question 6 | 20 | Money and price index | 3 | 0.5 | 0.5 | 0.50 |
| Question 7 | 20 | Privatization | 4 | 15.5 | 12 | 13.75 |
| Question 8 | 20 | Employment and unemployment | 3 | 3 | 0 | 2.00 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Regional economic integration | 5 | 7 | 0 | 4.10 |
| Question 2 | 10 | Public finance | 5 | 5 | 0 | 2.20 |
| Question 3 | 20 | National income | 0 | 0 | 0 | 0.00 |
| Question 4 | 20 | Financial institution | 5 | 8 | 0 | 3.60 |
| Question 5 | 20 | Public finance | 5 | 17 | 2 | 7.90 |
| Question 6 | 20 | International trade | 1 | 13 | 13 | 13.00 |
| Question 7 | 20 | Marketing and distribution | 4 | 14.5 | 11.5 | 13.13 |
| Question 8 | 20 | Structure of Tanzania economy | 5 | 16 | 12 | 14.40 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| DIVINITY | 9 | 0 | 9 | 0 | 4.1111 | 2/6 | 1/3 | 1/1 |

GRADE : A=0; B=0; C=1; D=6; E=2; S=0; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 100 | Various Topics | 9 | 91 | 65 | 76.44 |
| PAPER 2 | | | | | | |
| Question 1 | 100 | Various Topics | 9 | 41 | 17 | 29.00 |