



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

Magnificat Secondary School
FORM SIX SUBJECTS PERFORMANCE REPORT - 2023

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|----------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ADVANCED MATHEMATICS | 6 | 0 | 5 | 1 | 4.8333 | 4/32 | 4/20 | 2/15 |

GRADE : A=0; B=1; C=0; D=0; E=4; S=0; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Calculating device | 6 | 7.5 | 0 | 5.42 |
| Question 2 | 10 | Hyperbolic function | 6 | 10 | 5 | 6.08 |
| Question 3 | 10 | Linear programming | 6 | 8 | 1.5 | 6.42 |
| Question 4 | 10 | Statistics | 6 | 9 | 1 | 4.42 |
| Question 5 | 10 | Sets | 6 | 10 | 7 | 8.83 |
| Question 6 | 10 | Function | 6 | 10 | 4 | 8.00 |
| Question 7 | 10 | Numerical method | 5 | 7 | 2 | 4.50 |
| Question 8 | 10 | Coordinate geometry I | 6 | 7.5 | 0 | 3.33 |
| Question 9 | 10 | Integration | 6 | 5 | 0 | 1.25 |
| Question 10 | 10 | Differentiation | 6 | 7.5 | 0 | 2.08 |
| PAPER 2 | | | | | | |
| Question 1 | 15 | Probability | 6 | 15 | 0 | 5.83 |
| Question 2 | 15 | Logic | 6 | 14 | 0 | 6.83 |
| Question 3 | 15 | Vector | 6 | 6 | 3 | 4.67 |
| Question 4 | 15 | Complex number | 6 | 11 | 0 | 6.83 |
| Question 5 | 20 | Trigonometric ratio | 6 | 5 | 0 | 2.50 |
| Question 6 | 20 | Algebra | 4 | 15 | 4 | 11.25 |
| Question 7 | 20 | Differentiation equation | 6 | 0 | 0 | 0.00 |
| Question 8 | 20 | Coordinate geometry II | 6 | 18 | 0 | 3.83 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 16 | 0 | 12 | 4 | 5.2500 | 6/30 | 3/18 | 1/14 |

GRADE : A=0; B=1; C=1; D=4; E=1; S=5; F=4;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Measurement | 16 | 10 | 2 | 6.50 |
| Question 2 | 10 | Gravitation | 16 | 10 | 0 | 3.31 |
| Question 3 | 10 | Circular motion, gravitation | 16 | 8 | 0 | 2.50 |
| Question 4 | 10 | Projectile motion, Newton's law of motion | 16 | 9 | 1 | 2.75 |
| Question 5 | 10 | Heat | 15 | 8 | 0 | 3.63 |
| Question 6 | 10 | Heat | 12 | 9 | 0 | 1.58 |
| Question 7 | 10 | Environmental physics | 15 | 10 | 2 | 5.27 |
| Question 8 | 15 | Current electricity | 10 | 9 | 0 | 4.10 |
| Question 9 | 15 | Electronics | 12 | 15 | 2 | 6.75 |
| Question 10 | 15 | Electronics | 9 | 7 | 0 | 2.67 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Fluid dynamics | 16 | 14.5 | 2 | 8.75 |
| Question 2 | 20 | Waves | 15 | 15 | 0 | 9.73 |
| Question 3 | 20 | Properties of materials (matter) | 16 | 20 | 2 | 12.44 |
| Question 4 | 20 | Static electricity | 14 | 11 | 0 | 3.14 |
| Question 5 | 20 | Electromagnetism | 0 | 0 | 0 | 0.00 |
| Question 6 | 20 | Morden physics | 14 | 17 | 0 | 5.64 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Mechanics | 16 | 20 | 7.5 | 16.06 |
| Question 2 | 15 | Heat | 16 | 13 | 2 | 9.44 |
| Question 3 | 15 | Current electricity | 16 | 15 | 4 | 11.94 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 24 | 0 | 16 | 8 | 5.5417 | 20/32 | 12/18 | 10/14 |

GRADE : A=0; B=1; C=1; D=3; E=6; S=5; F=8;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Atomic structure | 24 | 10 | 3.5 | 7.42 |
| Question 2 | 10 | Chemical bonding | 24 | 9.5 | 1.5 | 6.75 |
| Question 3 | 10 | Gases | 24 | 8 | 1 | 4.13 |
| Question 4 | 10 | Relative molecular masses in solution | 24 | 8.5 | 2 | 6.06 |
| Question 5 | 10 | Inorganic (selected compounds of metals) | 24 | 10 | 0 | 1.92 |
| Question 6 | 10 | Thermochemistry | 24 | 9 | 1 | 5.08 |
| Question 7 | 10 | Chemical equilibrium | 24 | 10 | 0 | 3.77 |
| Question 8 | 15 | Organic chemistry (aliphatic hydrocarbons) | 22 | 10 | 0 | 5.41 |
| Question 9 | 15 | Organic chemistry (aromatic hydrocarbons) | 3 | 8 | 0 | 2.67 |
| Question 10 | 15 | Soil chemistry | 21 | 14 | 3 | 7.14 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Two components liquid system | 24 | 19 | 3 | 8.29 |
| Question 2 | 20 | Chemical kinetics | 24 | 11 | 0 | 2.85 |
| Question 3 | 20 | Buffer solution (Acid, base and salts) | 24 | 17 | 0 | 7.92 |
| Question 4 | 20 | Periodic classification | 22 | 10 | 0 | 1.82 |
| Question 5 | 20 | Transition elements | 23 | 15 | 0 | 4.35 |
| Question 6 | 20 | Carbon compounds | 1 | 0 | 0 | 0.00 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Redox titration | 24 | 20 | 4 | 14.02 |
| Question 2 | 15 | Thermochemistry (energetic) | 24 | 12.5 | 3 | 6.67 |
| Question 3 | 15 | Qualitative analysis | 24 | 14 | 2.5 | 9.58 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIOLOGY | 22 | 0 | 21 | 1 | 4.6364 | 9/31 | 4/17 | 2/13 |

GRADE : A=0; B=0; C=0; D=11; E=9; S=1; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Cytology | 22 | 8 | 2 | 4.45 |
| Question 2 | 10 | Biochemistry | 22 | 7 | 0 | 4.14 |
| Question 3 | 10 | Principles of classification | 22 | 10 | 1 | 6.73 |
| Question 4 | 10 | Coordination | 22 | 5 | 0 | 0.95 |
| Question 5 | 10 | Nutrition | 22 | 4 | 0 | 0.41 |
| Question 6 | 10 | Reproduction | 22 | 9 | 3 | 5.55 |
| Question 7 | 10 | Respiration and gaseous exchange | 20 | 8 | 0 | 4.35 |
| Question 8 | 15 | Reproduction | 7 | 4 | 0 | 1.00 |
| Question 9 | 15 | Transport of materials | 22 | 11 | 0 | 4.89 |
| Question 10 | 15 | Respiration and gaseous exchange | 12 | 6 | 0 | 0.83 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Comparative groups of organisms | 22 | 16 | 6 | 12.27 |
| Question 2 | 20 | Evolution | 22 | 12 | 3 | 8.73 |
| Question 3 | 20 | Genetics | 17 | 18 | 0 | 13.29 |
| Question 4 | 20 | Growth and development | 15 | 13 | 2 | 7.47 |
| Question 5 | 20 | Osmoregulation, homeostasis and excretion | 18 | 14 | 0 | 7.22 |
| Question 6 | 20 | Ecology | 16 | 20 | 3 | 16.19 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Dissection (nutrition, classification, reproduction) | 22 | 20 | 13 | 16.98 |
| Question 2 | 15 | Cytology (biochemistry) | 22 | 10 | 3 | 6.45 |
| Question 3 | 15 | Principles of classification | 22 | 15 | 7 | 11.41 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 19 | 0 | 19 | 0 | 3.7895 | 11/39 | 8/23 | 5/16 |

GRADE : A=0; B=0; C=6; D=11; E=2; S=0; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 25 | Statistics | 19 | 25 | 0.5 | 12.58 |
| Question 2 | 15 | Photograph | 5 | 6 | 2 | 4.00 |
| Question 3 | 15 | Survey | 14 | 9 | 3 | 5.71 |
| Question 4 | 20 | Dynamic earth and Consequences | 8 | 14 | 0 | 8.13 |
| Question 5 | 20 | Soil | 18 | 18 | 2 | 9.39 |
| Question 6 | 20 | Water Masses | 19 | 18 | 5 | 11.16 |
| Question 7 | 20 | Space Dynamics | 12 | 12 | 5 | 8.58 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Population | 19 | 18 | 0 | 6.92 |
| Question 2 | 20 | Population | 19 | 18 | 5 | 13.74 |
| Question 3 | 20 | Agriculture | 2 | 13 | 11 | 12.00 |
| Question 4 | 20 | Tourism | 19 | 16 | 9 | 12.37 |
| Question 5 | 20 | Industry | 19 | 18 | 13 | 16.29 |
| Question 6 | 20 | Fishing | 17 | 19 | 12 | 15.53 |
| 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 | 36 | 0 | 33 | 3 | 4.2222 | 22/39 | 16/23 | 10/16 |

GRADE : A=0; B=0; C=8; D=20; E=3; S=2; F=3;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 20 | Philosophy and religion | 10 | 12.5 | 4 | 7.50 |
| Question 2 | 20 | Contemporary and cross cutting issues | 26 | 14.5 | 4.5 | 10.77 |
| Question 3 | 20 | Democracy | 34 | 15.5 | 3 | 10.94 |
| Question 4 | 20 | Contemporary and cross cutting issues | 26 | 19 | 1 | 11.04 |
| Question 5 | 20 | Science and technology | 35 | 19 | 4 | 14.20 |
| Question 6 | 20 | International affairs | 30 | 15 | 0 | 6.70 |
| Question 7 | 20 | Globalization | 16 | 15 | 4.5 | 10.75 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| KISWAHILI | 2 | 0 | 2 | 0 | 3.5000 | 2/34 | 1/18 | 1/13 |

GRADE : A=0; B=0; C=1; D=1; 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 | Ufahamu na ufupisho | 2 | 9 | 9 | 9.00 |
| Question 2 | 10 | Sarufi (aina za maneno) | 2 | 6 | 4 | 5.00 |
| Question 3 | 10 | Sarufi (kufasili maneono / istilahi) | 2 | 10 | 7 | 8.50 |
| Question 4 | 10 | Utumizi wa lugha | 2 | 9.5 | 0 | 4.75 |
| Question 5 | 20 | Uandishi | 2 | 20 | 16 | 18.00 |
| Question 6 | 20 | Maendeleo ya kiswahili | 2 | 17.5 | 15.5 | 16.50 |
| Question 7 | 20 | Maendeleo ya kiswahili | 0 | 0 | 0 | 0.00 |
| Question 8 | 20 | Tafsiri na ukalimani | 2 | 16 | 2 | 9.00 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Majigambo na ushairi | 2 | 6.5 | 3 | 4.75 |
| Question 2 | 10 | Fasihi simulizi | 2 | 2 | 2 | 2.00 |
| Question 3 | 10 | Fasihi simulizi | 2 | 0 | 0 | 0.00 |
| Question 4 | 10 | Usanifu wa maandishi | 2 | 7.5 | 6 | 6.75 |
| Question 5 | 20 | Fasihi simulizi | 2 | 1 | 1 | 1.00 |
| Question 6 | 20 | Riwaya | 1 | 18.5 | 18.5 | 18.50 |
| Question 7 | 20 | Tamthiliya | 1 | 16 | 16 | 16.00 |
| Question 8 | 20 | Tamthiliya | 2 | 18 | 17 | 17.50 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ENGLISH LANGUAGE | 8 | 0 | 8 | 0 | 2.7500 | 9/36 | 5/20 | 4/14 |

GRADE : A=0; B=4; C=2; D=2; 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 | 8 | 9 | 0 | 5.13 |
| Question 2 | 10 | Introduction to language | 8 | 10 | 7 | 8.75 |
| Question 3 | 10 | Introduction to language | 8 | 10 | 0 | 8.63 |
| Question 4 | 10 | Introduction to language | 8 | 10 | 6 | 8.50 |
| Question 5 | 20 | Word formation | 8 | 20 | 12 | 15.50 |
| Question 6 | 20 | Listening skills | 8 | 16 | 13 | 14.75 |
| Question 7 | 20 | Speaking | 4 | 20 | 6 | 13.50 |
| Question 8 | 20 | Translation and interpretation | 4 | 17 | 9 | 12.50 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Introduction to literature | 8 | 9 | 3 | 6.88 |
| Question 2 | 10 | Introduction to literature | 8 | 7 | 6 | 6.25 |
| Question 3 | 10 | Introduction to literature | 8 | 9 | 0 | 4.00 |
| Question 4 | 10 | Stylistics and communication | 8 | 10 | 0 | 3.00 |
| Question 5 | 20 | Novels | 8 | 20 | 2 | 11.63 |
| Question 6 | 20 | Plays | 8 | 16 | 12 | 13.25 |
| Question 7 | 20 | Poetry | 3 | 19 | 14 | 16.33 |
| Question 8 | 20 | Poetry | 5 | 18 | 7 | 13.60 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 8 | 0 | 8 | 0 | 2.7500 | 2/38 | 2/22 | 1/16 |

GRADE : A=0; B=4; C=2; D=2; E=0; S=0; 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 | 8 | 17 | 2 | 11.13 |
| Question 2 | 20 | Africa and Europe in the 15th C | 7 | 17 | 13 | 14.86 |
| Question 3 | 20 | People of African origin in the new World | 7 | 17 | 14.5 | 15.50 |
| Question 4 | 20 | From colonialism to the First World War | 8 | 16 | 12 | 14.06 |
| Question 5 | 20 | Colonial economy and social services after Second World War | 0 | 0 | 0 | 0.00 |
| Question 6 | 20 | Pre-colonial African societies | 7 | 19 | 0 | 13.21 |
| Question 7 | 20 | Influence of external forces and the rise of nationalism in Africa | 3 | 13.5 | 12.5 | 13.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Neo-colonialism and underdevelopment in the third world countries | 8 | 20 | 12 | 18.38 |
| Question 2 | 20 | Imperialism and territorial division of the World | 7 | 17 | 11.5 | 14.14 |
| Question 3 | 20 | The rise of dictatorship in Germany, Italy and Japan | 8 | 16 | 6 | 11.06 |
| Question 4 | 20 | The emergence of USA as a super power nation | 3 | 15 | 0 | 5.00 |
| Question 5 | 20 | The rise of capitalism in Europe | 7 | 17 | 8.5 | 14.14 |
| Question 6 | 20 | The rise of socialism | 2 | 18.5 | 16.5 | 17.50 |
| Question 7 | 20 | Threat to the World peace after WWII | 4 | 16 | 8 | 12.50 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|---------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC APPLIED MATHEMATICS | 22 | 0 | 9 | 13 | 5.8636 | 9/38 | 7/22 | 5/15 |

GRADE : A=1; B=1; C=0; D=2; E=3; S=2; F=13;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Calculating devices | 22 | 10 | 3 | 7.43 |
| Question 2 | 10 | Functions | 22 | 8 | 0 | 2.66 |
| Question 3 | 10 | Algebra | 22 | 8.5 | 0 | 2.95 |
| Question 4 | 10 | Differentiation | 22 | 7 | 1 | 4.09 |
| Question 5 | 10 | Integration | 22 | 10 | 0 | 3.00 |
| Question 6 | 10 | Statistics | 22 | 10 | 0 | 4.86 |
| Question 7 | 10 | Probability | 22 | 10 | 0 | 2.23 |
| Question 8 | 10 | Trigonometry | 22 | 10 | 0 | 2.59 |
| Question 9 | 10 | Exponential and logarithmic functions | 22 | 8 | 0 | 1.09 |
| Question 10 | 10 | Matrices and linear programming | 22 | 10 | 0 | 4.80 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ECONOMICS | 3 | 0 | 3 | 0 | 5.0000 | 10/33 | 8/21 | 5/15 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Subject matter of economics | 3 | 4 | 0 | 2.00 |
| Question 2 | 10 | Trade cycle | 3 | 7 | 0 | 3.67 |
| Question 3 | 20 | Theory of demand and supply | 1 | 17 | 17 | 17.00 |
| Question 4 | 20 | Theory of firm | 3 | 12.5 | 9.5 | 10.83 |
| Question 5 | 20 | Concept of market | 2 | 11.5 | 0 | 5.75 |
| Question 6 | 20 | Money and price index | 0 | 0 | 0 | 0.00 |
| Question 7 | 20 | Privatization | 3 | 17 | 7 | 13.17 |
| Question 8 | 20 | Employment and unemployment | 3 | 4 | 0 | 1.33 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Regional economic integration | 3 | 10 | 7 | 8.67 |
| Question 2 | 10 | Public finance | 3 | 1 | 0 | 0.33 |
| Question 3 | 20 | National income | 2 | 7.5 | 7.5 | 7.50 |
| Question 4 | 20 | Financial institution | 1 | 3 | 3 | 3.00 |
| Question 5 | 20 | Public finance | 3 | 13 | 2.5 | 6.17 |
| Question 6 | 20 | International trade | 1 | 13.5 | 13.5 | 13.50 |
| Question 7 | 20 | Marketing and distribution | 3 | 16 | 13.5 | 14.67 |
| Question 8 | 20 | Structure of Tanzania economy | 2 | 16 | 12 | 14.00 |