



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

Marangu Secondary School
FORM SIX SUBJECTS PERFORMANCE REPORT - 2023

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|----------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ADVANCED MATHEMATICS | 4 | 0 | 0 | 4 | 7.0000 | 32/32 | 20/20 | 15/15 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Calculating device | 4 | 7.5 | 2.5 | 4.38 |
| Question 2 | 10 | Hyperbolic function | 4 | 7 | 0.5 | 3.75 |
| Question 3 | 10 | Linear programming | 4 | 8 | 3 | 5.50 |
| Question 4 | 10 | Statistics | 4 | 5.5 | 0.5 | 3.63 |
| Question 5 | 10 | Sets | 4 | 5 | 2.5 | 3.50 |
| Question 6 | 10 | Function | 4 | 7 | 2 | 4.25 |
| Question 7 | 10 | Numerical method | 4 | 6 | 0 | 3.00 |
| Question 8 | 10 | Coordinate geometry I | 4 | 8.5 | 0 | 2.75 |
| Question 9 | 10 | Integration | 4 | 2.5 | 0 | 0.88 |
| Question 10 | 10 | Differentiation | 4 | 2.5 | 0 | 0.63 |
| PAPER 2 | | | | | | |
| Question 1 | 15 | Probability | 4 | 9 | 0 | 3.00 |
| Question 2 | 15 | Logic | 4 | 5 | 3 | 4.00 |
| Question 3 | 15 | Vector | 4 | 5 | 1 | 3.25 |
| Question 4 | 15 | Complex number | 4 | 5 | 0 | 1.25 |
| Question 5 | 20 | Trigonometric ratio | 4 | 1 | 0 | 0.25 |
| Question 6 | 20 | Algebra | 4 | 12 | 6 | 8.50 |
| Question 7 | 20 | Differentiation equation | 4 | 0 | 0 | 0.00 |
| Question 8 | 20 | Coordinate geometry II | 4 | 2.5 | 0 | 0.63 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 5 | 0 | 4 | 1 | 5.8000 | 16/30 | 10/18 | 8/14 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Measurement | 5 | 7 | 3 | 4.80 |
| Question 2 | 10 | Gravitation | 4 | 2 | 0 | 0.50 |
| Question 3 | 10 | Circular motion, gravitation | 5 | 3 | 0 | 1.60 |
| Question 4 | 10 | Projectile motion, Newton's law of motion | 4 | 6 | 0 | 2.00 |
| Question 5 | 10 | Heat | 5 | 8 | 0 | 4.50 |
| Question 6 | 10 | Heat | 5 | 4 | 0 | 1.60 |
| Question 7 | 10 | Environmental physics | 5 | 10 | 3 | 6.80 |
| Question 8 | 15 | Current electricity | 4 | 5.5 | 1.5 | 2.88 |
| Question 9 | 15 | Electronics | 3 | 8 | 2 | 5.33 |
| Question 10 | 15 | Electronics | 1 | 1 | 1 | 1.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Fluid dynamics | 5 | 12.5 | 2 | 9.60 |
| Question 2 | 20 | Waves | 5 | 9 | 6 | 7.40 |
| Question 3 | 20 | Properties of materials (matter) | 5 | 18 | 7 | 11.40 |
| Question 4 | 20 | Static electricity | 4 | 4 | 1 | 2.00 |
| Question 5 | 20 | Electromagnetism | 1 | 0 | 0 | 0.00 |
| Question 6 | 20 | Morden physics | 4 | 12 | 6 | 8.75 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Mechanics | 5 | 16.5 | 6 | 12.80 |
| Question 2 | 15 | Heat | 5 | 7 | 0 | 4.20 |
| Question 3 | 15 | Current electricity | 5 | 12.5 | 5 | 8.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 22 | 0 | 9 | 13 | 6.3182 | 29/32 | 18/18 | 14/14 |

GRADE : A=0; B=0; C=0; D=1; E=4; S=4; F=13;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Atomic structure | 22 | 9.5 | 1 | 5.80 |
| Question 2 | 10 | Chemical bonding | 22 | 8.5 | 0 | 3.43 |
| Question 3 | 10 | Gases | 22 | 5 | 0 | 2.77 |
| Question 4 | 10 | Relative molecular masses in solution | 22 | 9 | 0 | 4.68 |
| Question 5 | 10 | Inorganic (selected compounds of metals) | 22 | 4 | 0 | 0.86 |
| Question 6 | 10 | Thermochemistry | 22 | 6 | 1 | 3.59 |
| Question 7 | 10 | Chemical equilibrium | 22 | 5.5 | 0 | 1.23 |
| Question 8 | 15 | Organic chemistry (aliphatic hydrocarbons) | 17 | 11 | 0 | 4.53 |
| Question 9 | 15 | Organic chemistry (aromatic hydrocarbons) | 7 | 8 | 0 | 3.29 |
| Question 10 | 15 | Soil chemistry | 20 | 14 | 1 | 6.50 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Two components liquid system | 22 | 9.5 | 1 | 5.25 |
| Question 2 | 20 | Chemical kinetics | 20 | 6 | 0 | 1.35 |
| Question 3 | 20 | Buffer solution (Acid, base and salts) | 16 | 11 | 0 | 2.50 |
| Question 4 | 20 | Periodic classification | 19 | 5 | 0 | 1.61 |
| Question 5 | 20 | Transition elements | 21 | 13.5 | 0 | 5.17 |
| Question 6 | 20 | Carbon compounds | 7 | 13 | 0 | 6.86 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Redox titration | 22 | 20 | 11 | 15.00 |
| Question 2 | 15 | Thermochemistry (energetic) | 22 | 15 | 1 | 8.27 |
| Question 3 | 15 | Qualitative analysis | 22 | 15 | 3 | 13.16 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIOLOGY | 21 | 0 | 8 | 13 | 6.3333 | 31/31 | 17/17 | 13/13 |

GRADE : A=0; B=0; C=0; D=0; E=6; S=2; F=13;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Cytology | 21 | 7 | 1 | 3.67 |
| Question 2 | 10 | Biochemistry | 21 | 4 | 0 | 0.57 |
| Question 3 | 10 | Principles of classification | 21 | 8.5 | 0 | 4.31 |
| Question 4 | 10 | Coordination | 21 | 5 | 0 | 1.45 |
| Question 5 | 10 | Nutrition | 21 | 1 | 0 | 0.05 |
| Question 6 | 10 | Reproduction | 20 | 5 | 0 | 1.20 |
| Question 7 | 10 | Respiration and gaseous exchange | 21 | 8 | 0 | 3.86 |
| Question 8 | 15 | Reproduction | 12 | 3 | 0 | 0.25 |
| Question 9 | 15 | Transport of materials | 15 | 10 | 0 | 3.07 |
| Question 10 | 15 | Respiration and gaseous exchange | 10 | 8 | 0 | 0.80 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Comparative groups of organisms | 21 | 13 | 6 | 9.24 |
| Question 2 | 20 | Evolution | 21 | 12 | 0 | 3.24 |
| Question 3 | 20 | Genetics | 10 | 13 | 0 | 5.20 |
| Question 4 | 20 | Growth and development | 15 | 11 | 2 | 6.40 |
| Question 5 | 20 | Osmoregulation, homeostasis and excretion | 18 | 12 | 0 | 3.67 |
| Question 6 | 20 | Ecology | 19 | 20 | 12 | 16.79 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Dissection (nutrition, classification, reproduction) | 21 | 14 | 7 | 10.88 |
| Question 2 | 15 | Cytology (biochemistry) | 21 | 10 | 2 | 7.00 |
| Question 3 | 15 | Principles of classification | 21 | 13.5 | 7.5 | 10.17 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 52 | 0 | 48 | 4 | 4.8077 | 33/39 | 19/23 | 12/16 |

GRADE : A=0; B=0; C=1; D=21; E=21; S=5; F=4;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 25 | Statistics | 52 | 21.5 | 0 | 4.37 |
| Question 2 | 15 | Photograph | 18 | 13 | 0 | 5.56 |
| Question 3 | 15 | Survey | 34 | 10 | 1 | 4.74 |
| Question 4 | 20 | Dynamic earth and Consequences | 11 | 16 | 0 | 5.73 |
| Question 5 | 20 | Soil | 45 | 17 | 1 | 8.12 |
| Question 6 | 20 | Water Masses | 52 | 19 | 3 | 7.57 |
| Question 7 | 20 | Space Dynamics | 43 | 15 | 0 | 8.05 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Population | 52 | 17 | 0 | 8.51 |
| Question 2 | 20 | Population | 51 | 19 | 10 | 15.75 |
| Question 3 | 20 | Agriculture | 4 | 7 | 2 | 4.75 |
| Question 4 | 20 | Tourism | 51 | 20 | 1 | 15.20 |
| Question 5 | 20 | Industry | 51 | 17 | 5 | 10.69 |
| Question 6 | 20 | Fishing | 50 | 17 | 1 | 13.64 |
| 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 | 81 | 0 | 79 | 2 | 4.3827 | 25/39 | 18/23 | 12/16 |

GRADE : A=0; B=3; C=9; D=32; E=30; S=5; F=2;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 20 | Philosophy and religion | 45 | 15.5 | 0.5 | 8.60 |
| Question 2 | 20 | Contemporary and cross cutting issues | 72 | 18.5 | 1.5 | 9.69 |
| Question 3 | 20 | Democracy | 79 | 16 | 3.5 | 11.65 |
| Question 4 | 20 | Contemporary and cross cutting issues | 65 | 14 | 2.5 | 10.40 |
| Question 5 | 20 | Science and technology | 54 | 19 | 0.5 | 11.42 |
| Question 6 | 20 | International affairs | 49 | 12.5 | 1 | 6.90 |
| Question 7 | 20 | Globalization | 40 | 19 | 0.5 | 11.16 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| KISWAHILI | 33 | 0 | 33 | 0 | 4.4242 | 8/34 | 6/18 | 5/13 |

GRADE : A=0; B=0; C=1; D=21; E=7; S=4; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--------------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Ufahamu na ufupisho | 33 | 9 | 2 | 7.26 |
| Question 2 | 10 | Sarufi (aina za maneno) | 33 | 10 | 0 | 5.73 |
| Question 3 | 10 | Sarufi (kufasili maneono / istilahi) | 33 | 10 | 0 | 6.55 |
| Question 4 | 10 | Utumizi wa lugha | 33 | 10 | 4 | 8.65 |
| Question 5 | 20 | Uandishi | 31 | 20 | 12 | 16.06 |
| Question 6 | 20 | Maendeleo ya kiswahili | 17 | 17.5 | 7.5 | 14.41 |
| Question 7 | 20 | Maendeleo ya kiswahili | 19 | 16 | 10 | 13.26 |
| Question 8 | 20 | Tafsiri na ukalimani | 32 | 15 | 0 | 5.19 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Majigambo na ushairi | 33 | 10 | 0 | 6.15 |
| Question 2 | 10 | Fasihi simulizi | 33 | 6 | 0 | 2.27 |
| Question 3 | 10 | Fasihi simulizi | 25 | 3 | 0 | 0.28 |
| Question 4 | 10 | Usanifu wa maandishi | 32 | 6.5 | 1 | 3.30 |
| Question 5 | 20 | Fasihi simulizi | 32 | 16 | 0 | 2.50 |
| Question 6 | 20 | Riwaya | 29 | 19.5 | 2.5 | 12.66 |
| Question 7 | 20 | Tamthiliya | 29 | 14 | 2 | 8.43 |
| Question 8 | 20 | Tamthiliya | 8 | 18 | 10 | 13.75 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ENGLISH LANGUAGE | 38 | 0 | 38 | 0 | 3.3684 | 23/36 | 12/20 | 9/14 |

GRADE : A=0; B=4; C=19; D=13; 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 | Introduction to language | 38 | 10 | 0 | 7.16 |
| Question 2 | 10 | Introduction to language | 38 | 10 | 3 | 8.61 |
| Question 3 | 10 | Introduction to language | 38 | 10 | 0 | 7.82 |
| Question 4 | 10 | Introduction to language | 38 | 10 | 2 | 8.79 |
| Question 5 | 20 | Word formation | 38 | 18 | 1 | 11.63 |
| Question 6 | 20 | Listening skills | 38 | 19 | 8 | 13.95 |
| Question 7 | 20 | Speaking | 18 | 17 | 0 | 11.67 |
| Question 8 | 20 | Translation and interpretation | 19 | 18 | 0 | 9.00 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Introduction to literature | 38 | 8 | 0 | 2.47 |
| Question 2 | 10 | Introduction to literature | 38 | 9 | 0 | 5.47 |
| Question 3 | 10 | Introduction to literature | 38 | 10 | 0 | 1.84 |
| Question 4 | 10 | Stylistics and communication | 36 | 10 | 0 | 4.64 |
| Question 5 | 20 | Novels | 38 | 20 | 5 | 12.53 |
| Question 6 | 20 | Plays | 38 | 19 | 7 | 13.42 |
| Question 7 | 20 | Poetry | 19 | 20 | 9 | 16.05 |
| Question 8 | 20 | Poetry | 19 | 17 | 4 | 12.84 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 56 | 0 | 53 | 3 | 3.5357 | 16/38 | 10/22 | 7/16 |

GRADE : A=0; B=11; C=20; D=17; E=3; S=2; F=3;

| 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 | 54 | 17 | 0 | 8.97 |
| Question 2 | 20 | Africa and Europe in the 15th C | 56 | 17 | 2 | 12.73 |
| Question 3 | 20 | People of African origin in the new World | 44 | 16.5 | 3 | 12.20 |
| Question 4 | 20 | From colonialism to the First World War | 51 | 17 | 1 | 12.98 |
| Question 5 | 20 | Colonial economy and social services after Second World War | 9 | 7.5 | 0 | 3.56 |
| Question 6 | 20 | Pre-colonial African societies | 40 | 19 | 0 | 12.20 |
| Question 7 | 20 | Influence of external forces and the rise of nationalism in Africa | 23 | 12 | 4 | 8.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Neo-colonialism and underdevelopment in the third world countries | 56 | 20 | 4 | 17.39 |
| Question 2 | 20 | Imperialism and territorial division of the World | 55 | 17 | 1 | 12.75 |
| Question 3 | 20 | The rise of dictatorship in Germany, Italy and Japan | 54 | 15 | 2 | 11.47 |
| Question 4 | 20 | The emergence of USA as a super power nation | 8 | 15 | 0 | 7.88 |
| Question 5 | 20 | The rise of capitalism in Europe | 44 | 16 | 0.5 | 8.18 |
| Question 6 | 20 | The rise of socialism | 20 | 17.5 | 0 | 10.58 |
| Question 7 | 20 | Threat to the World peace after WWII | 41 | 17.5 | 0 | 13.55 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|---------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC APPLIED MATHEMATICS | 30 | 0 | 2 | 28 | 6.9000 | 30/38 | 17/22 | 12/15 |

GRADE : A=0; B=0; C=0; D=0; E=1; S=1; F=28;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Calculating devices | 30 | 10 | 0 | 6.00 |
| Question 2 | 10 | Functions | 30 | 4 | 0 | 0.78 |
| Question 3 | 10 | Algebra | 30 | 5 | 0 | 1.03 |
| Question 4 | 10 | Differentiation | 30 | 6 | 0 | 0.83 |
| Question 5 | 10 | Integration | 30 | 7 | 0 | 0.40 |
| Question 6 | 10 | Statistics | 30 | 6 | 0 | 1.22 |
| Question 7 | 10 | Probability | 30 | 1 | 0 | 0.03 |
| Question 8 | 10 | Trigonometry | 30 | 7 | 0 | 0.63 |
| Question 9 | 10 | Exponential and logarithmic functions | 30 | 5 | 0 | 0.32 |
| Question 10 | 10 | Matrices and linear programming | 30 | 9.5 | 0 | 2.70 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ECONOMICS | 12 | 0 | 11 | 1 | 5.0833 | 15/33 | 12/21 | 9/15 |

GRADE : A=0; B=0; C=0; D=5; E=2; S=4; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Subject matter of economics | 10 | 6 | 0 | 1.80 |
| Question 2 | 10 | Trade cycle | 12 | 10 | 0 | 5.75 |
| Question 3 | 20 | Theory of demand and supply | 4 | 10 | 2 | 7.50 |
| Question 4 | 20 | Theory of firm | 11 | 14.5 | 4 | 8.36 |
| Question 5 | 20 | Concept of market | 8 | 12 | 6.5 | 8.94 |
| Question 6 | 20 | Money and price index | 4 | 13 | 0 | 3.38 |
| Question 7 | 20 | Privatization | 11 | 15 | 7 | 12.45 |
| Question 8 | 20 | Employment and unemployment | 8 | 9 | 0 | 2.63 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Regional economic integration | 12 | 10 | 0 | 6.58 |
| Question 2 | 10 | Public finance | 12 | 6 | 1 | 3.25 |
| Question 3 | 20 | National income | 2 | 3 | 0 | 1.50 |
| Question 4 | 20 | Financial institution | 9 | 6 | 0 | 3.22 |
| Question 5 | 20 | Public finance | 11 | 19 | 4.5 | 12.23 |
| Question 6 | 20 | International trade | 9 | 15.5 | 11.5 | 13.78 |
| Question 7 | 20 | Marketing and distribution | 7 | 15.5 | 4 | 11.86 |
| Question 8 | 20 | Structure of Tanzania economy | 8 | 16.5 | 9 | 13.75 |