



CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERN ZONE JOINT EXAMINATIONS SYNDICATE
FORM SIX PRE-NATIONAL EXAMINATIONS - 2024

St. James Seminary School
FORM SIX SUBJECTS PERFORMANCE REPORT - 2024

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|----------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ADVANCED MATHEMATICS | 16 | 0 | 1 | 15 | 6.8125 | 20/32 | 13/20 | 10/15 |

GRADE : A=0; B=0; C=0; D=1; E=0; S=0; F=15;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Calculating Devices | 16 | 7 | 0 | 1.81 |
| Question 2 | 10 | Hyperbolic functions | 16 | 7 | 0 | 1.28 |
| Question 3 | 10 | Linear programming | 16 | 4 | 0 | 1.56 |
| Question 4 | 10 | Statistics | 16 | 7 | 0 | 3.56 |
| Question 5 | 10 | Sets | 16 | 10 | 2 | 6.16 |
| Question 6 | 10 | Functions | 16 | 9 | 1 | 4.41 |
| Question 7 | 10 | Numerical methods | 16 | 5.5 | 0 | 2.22 |
| Question 8 | 10 | Coordinate geometry 1 | 16 | 1 | 0 | 0.19 |
| Question 9 | 10 | Integration | 16 | 1.5 | 0 | 0.09 |
| Question 10 | 10 | Differentiation | 16 | 6 | 0 | 0.88 |
| PAPER 2 | | | | | | |
| Question 1 | 15 | Probability | 16 | 8 | 0 | 2.06 |
| Question 2 | 15 | Logic | 16 | 10.5 | 0 | 4.66 |
| Question 3 | 15 | Vectors | 16 | 10 | 2 | 5.06 |
| Question 4 | 15 | Complex numbers | 16 | 11 | 0 | 4.13 |
| Question 5 | 20 | Trigonometric | 13 | 10 | 0 | 3.15 |
| Question 6 | 20 | Algebr | 15 | 18 | 0 | 4.23 |
| Question 7 | 20 | Differential equation | 1 | 1 | 1 | 1.00 |
| Question 8 | 20 | Coordinate geometric 2 | 0 | 0 | 0 | 0.00 |

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|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 5 | 0 | 4 | 1 | 6.0000 | 5/31 | 4/18 | 3/14 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Measurements | 5 | 8 | 5 | 5.60 |
| Question 2 | 10 | Newton` s laws of motion | 5 | 7 | 0 | 5.60 |
| Question 3 | 10 | Simple harmonic motion | 5 | 5 | 2 | 3.00 |
| Question 4 | 10 | Projectile motion | 5 | 8.5 | 0 | 4.50 |
| Question 5 | 10 | Heat and thermodynamic | 5 | 5 | 5 | 5.00 |
| Question 6 | 10 | Thermodynamic | 5 | 10 | 0 | 3.99 |
| Question 7 | 10 | Environmental physics | 5 | 6 | 0 | 4.20 |
| Question 8 | 15 | Current electricit | 0 | 0 | 0 | 0.00 |
| Question 9 | 15 | Electronics | 5 | 5.5 | 2 | 4.40 |
| Question 10 | 15 | Electronic (logic gates) | 5 | 13 | 0 | 7.80 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Fluid Dynamics | 5 | 11 | 0 | 5.60 |
| Question 2 | 20 | Waves and Vibration | 5 | 8 | 4 | 5.60 |
| Question 3 | 20 | Properties of matter | 5 | 14 | 4 | 9.20 |
| Question 4 | 20 | Electrostatics | 5 | 8 | 0 | 2.00 |
| Question 5 | 20 | Electromagnetism | 1 | 6 | 6 | 6.00 |
| Question 6 | 20 | Modern physics | 5 | 2.5 | 0 | 0.70 |
| PAPER 3 | | | | | | |
| Question 1 | 20 | Mechanics | 5 | 5 | 2 | 3.90 |
| Question 2 | 15 | | 5 | 8.5 | 2 | 4.90 |
| Question 3 | 15 | | 5 | 15 | 9 | 12.20 |

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|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 5 | 0 | 5 | 0 | 4.2000 | 2/32 | 1/18 | 1/14 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|----------------------------------------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | The ato | 5 | 8 | 3 | 5.60 |
| Question 2 | 10 | Chemical bond | 5 | 7 | 5 | 5.80 |
| Question 3 | 10 | Gas | 5 | 2 | 0 | 0.80 |
| Question 4 | 10 | Chemical equilibrium, relative molecular in solution | 5 | 7 | 3 | 4.40 |
| Question 5 | 10 | selected compound of metals | 5 | 8.5 | 4 | 5.70 |
| Question 6 | 10 | energetic | 5 | 7 | 5 | 5.60 |
| Question 7 | 10 | Chemical equilibrium | 5 | 8 | 1 | 5.60 |
| Question 8 | 15 | Alphatic hydrocarbons and aromatic hydrocarbon | 0 | 0 | 0 | 0.00 |
| Question 9 | 15 | Aromatic hydrocarbons, hydrogen derivative of hydrocarbon | 4 | 6 | 1 | 4.50 |
| Question 10 | 15 | environmental chemistry , soil chemistry | 5 | 11 | 2 | 8.20 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Two component liquid system | 5 | 18 | 9 | 14.50 |
| Question 2 | 20 | Chemical kinetics | 5 | 17 | 6.5 | 12.90 |
| Question 3 | 20 | Acid, base and salt, solubility and solubility product | 5 | 18 | 3 | 11.00 |
| Question 4 | 20 | Metal extraction, extraction of metal, periodic classification | 5 | 7 | 0 | 5.00 |
| Question 5 | 20 | Hydrocarbons and its derivatives, carbonyl and amive, polymer | 2 | 9.5 | 4 | 6.75 |
| Question 6 | 20 | Polymer, Transition elements | 2 | 7 | 1 | 4.00 |
| PAPER 3 | | | | | | |
| Question 1 | 26 | Redox titration, Acid base tit-rat-ion using two indicators | 5 | 21 | 15 | 17.60 |
| Question 2 | 15 | Energetic | 0 | 0 | 0 | 0.00 |
| Question 3 | 24 | Qualitative analysis (Salt analysis) | 5 | 23 | 17 | 20.60 |

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|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 15 | 0 | 15 | 0 | 3.3333 | 13/39 | 11/23 | 8/16 |

GRADE : A=0; B=1; C=8; D=6; 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 | Elementary survey and map making | 15 | 17 | 10 | 12.97 |
| Question 2 | 20 | Application of statistics | 14 | 18 | 10 | 14.39 |
| Question 3 | 20 | Map reading and map interpretation | 0 | 0 | 0 | 0.00 |
| Question 4 | 20 | External forces that affect earth | 7 | 13 | 5 | 8.57 |
| Question 5 | 20 | Soil science | 15 | 19 | 2 | 12.60 |
| Question 6 | 20 | Water masses | 12 | 13.5 | 0 | 2.88 |
| Question 7 | 20 | Space dynamic | 9 | 10 | 3 | 9.00 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Human population | 15 | 19 | 9 | 14.87 |
| Question 2 | 20 | Human population | 12 | 17 | 1 | 14.83 |
| Question 3 | 20 | Transport and communication | 0 | 0 | 0 | 0.00 |
| Question 4 | 20 | Agriculture | 14 | 19 | 6 | 15.21 |
| Question 5 | 20 | Mining | 15 | 16 | 7 | 11.20 |
| Question 6 | 20 | Transport and communication | 14 | 16.5 | 11.5 | 15.36 |
| Question 7 | 20 | Fishing | 5 | 18 | 5 | 13.80 |

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|-----------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GENERAL STUDIES | 20 | 0 | 20 | 0 | 3.6000 | 17/39 | 12/23 | 9/16 |

GRADE : A=0; B=2; C=7; D=9; E=1; S=1; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 20 | Cross cutting issues | 20 | 16 | 11.5 | 14.20 |
| Question 2 | 20 | Philosopy and religion | 19 | 16 | 5 | 10.00 |
| Question 3 | 20 | Life skills | 20 | 16 | 4 | 12.13 |
| Question 4 | 20 | Internation affairs | 15 | 14.5 | 5.5 | 12.60 |
| Question 5 | 20 | Internation affairs | 5 | 14 | 9.5 | 12.10 |
| Question 6 | 20 | The practice of democracy | 3 | 13.5 | 8 | 11.17 |
| Question 7 | 20 | Science and technology | 17 | 14 | 3 | 9.50 |

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|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 4 | 0 | 3 | 1 | 5.7500 | 35/38 | 21/22 | 15/16 |

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

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|------------------------------------------------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 20 | Pre colonial African societies | 3 | 14 | 10 | 11.67 |
| Question 2 | 20 | Africa and Europe in the 15thc | 4 | 14 | 10 | 12.38 |
| Question 3 | 20 | Colonial economy and social services after the second world war (1945) | 1 | 10 | 10 | 10.00 |
| Question 4 | 20 | From colonialism to the first world war (1914) | 0 | 0 | 0 | 0.00 |
| Question 5 | 20 | People of African origin in the new world | 4 | 15 | 13 | 14.25 |
| Question 6 | 20 | Political and economic development since independence | 3 | 3 | 0 | 1.33 |
| Question 7 | 20 | Africa nationalism and struggle for independence | 4 | 9 | 4.5 | 6.38 |
| PAPER 2 | | | | | | |
| Question 1 | 20 | Imperialism and territorial division of the World | 4 | 8 | 3 | 4.75 |
| Question 2 | 20 | The rise of USA as capitalist leading power | 4 | 9 | 7 | 8.25 |
| Question 3 | 20 | The rise of dictatorship in Europe | 4 | 5 | 2 | 3.50 |
| Question 4 | 20 | The rise of socialism | 0 | 0 | 0 | 0.00 |
| Question 5 | 20 | Threat of socialism | 1 | 0 | 0 | 0.00 |
| Question 6 | 20 | The rise of capitalism in Europe | 3 | 10 | 1 | 6.33 |
| Question 7 | 20 | The rise of democracy in Europe | 4 | 14 | 11 | 12.38 |

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|---------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC APPLIED MATHEMATICS | 4 | 0 | 0 | 4 | 7.0000 | 38/38 | 22/22 | 15/15 |

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

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|-------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | calculating devices | 4 | 7 | 5 | 6.50 |
| Question 2 | 10 | Function | 3 | 5.5 | 0 | 3.17 |
| Question 3 | 10 | Algebra | 4 | 3 | 0 | 0.75 |
| Question 4 | 10 | Differentiation | 1 | 4 | 4 | 4.00 |
| Question 5 | 10 | integration | 0 | 0 | 0 | 0.00 |
| Question 6 | 10 | Statistic | 4 | 9 | 3 | 6.50 |
| Question 7 | 10 | probability | 3 | 6 | 1 | 3.33 |
| Question 8 | 10 | trigonometry | 4 | 2 | 0 | 1.00 |
| Question 9 | 10 | Exponential function | 2 | 1 | 0 | 0.50 |
| Question 10 | 10 | matrix and linear programming | 4 | 10 | 0 | 5.75 |

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| ECONOMICS | 15 | 0 | 10 | 5 | 5.7333 | 25/32 | 15/20 | 10/14 |

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

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|----------------|-------|----------------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Environmental economics | 12 | 6 | 2 | 4.08 |
| Question 2 | 10 | Subject matter of economics | 15 | 9 | 0 | 1.70 |
| Question 3 | 20 | Demand and supply | 12 | 5 | 0 | 2.33 |
| Question 4 | 20 | Theory of production | 2 | 6 | 2 | 4.00 |
| Question 5 | 20 | Theory of firm | 15 | 15 | 0 | 8.73 |
| Question 6 | 20 | Theory of market | 9 | 17 | 1 | 9.28 |
| Question 7 | 20 | Privatization | 6 | 12 | 1.5 | 4.17 |
| Question 8 | 20 | Theory of money | 13 | 15 | 1 | 5.62 |
| PAPER 2 | | | | | | |
| Question 1 | 10 | Economic Planning | 15 | 9 | 0 | 6.07 |
| Question 2 | 10 | Marketing and distribution | 14 | 10 | 0.5 | 5.96 |
| Question 3 | 20 | National income | 7 | 10 | 0 | 2.71 |
| Question 4 | 20 | Financial institution | 10 | 12 | 4 | 7.20 |
| Question 5 | 20 | International Trade | 13 | 9.5 | 1 | 5.15 |
| Question 6 | 20 | Economic Growth's development | 9 | 18 | 3 | 15.11 |
| Question 7 | 20 | Economic Structure of Tanzania Economy | 12 | 16 | 8 | 11.38 |
| Question 8 | 20 | Economic Integration | 9 | 19 | 13 | 16.89 |