



**CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERN ZONE JOINT EXAMINATIONS SYNDICATE
FORM FOUR PRE NATIONAL EXAMINATIONS 2021**

**NGARENANYUKI SECONDARY SCHOOL
FORM FOUR SUBJECTS PERFORMANCE REPORT - 2021**

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 54 | 0 | 13 | 41 | 4.7407 | 72/94 | 25/29 | 3/4 |

GRADE : A=0; B=0; C=1; D=12; F=41;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Multiple choices | 53 | 7 | 0 | 3.32 |
| Question 2 | 5 | Matching items | 53 | 5 | 0 | 2.43 |
| Question 3 | 10 | Friction | 53 | 7 | 0 | 1.45 |
| Question 4 | 10 | Equilibrium, relative density | 53 | 6 | 0 | 1.94 |
| Question 5 | 10 | Optical instruments, censes | 53 | 4 | 0 | 0.83 |
| Question 6 | 10 | Temperature and thermometer | 52 | 8.5 | 0 | 1.13 |
| Question 7 | 10 | Magnetism | 51 | 9.5 | 0 | 3.75 |
| Question 8 | 10 | Expansion of solid (thermal) | 41 | 4 | 0 | 1.06 |
| Question 9 | 12.5 | Waves | 14 | 4 | 0 | 0.86 |
| Question 10 | 12.5 | Archmedes, law of flotation | 44 | 7.5 | 0 | 3.40 |
| Question 11 | 12.5 | Radioactivity | 42 | 12.5 | 0 | 4.65 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | Mechanics | 54 | 18 | 0 | 6.80 |
| Question 2 | 25 | Electrics current | 54 | 23 | 0 | 5.50 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 57 | 0 | 36 | 21 | 4.2281 | 79/97 | 25/30 | 3/5 |

GRADE : A=0; B=0; C=8; D=28; F=21;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Multiple choices | 57 | 8 | 0 | 3.95 |
| Question 2 | 5 | Atomic structure | 57 | 5 | 0 | 2.26 |
| Question 3 | 7 | Formula. bonding and nomeclature, mole concept | 55 | 7 | 0 | 1.40 |
| Question 4 | 7 | Salts (action of heat on salts), hardness of water | 55 | 5 | 0 | 1.98 |
| Question 5 | 7 | Chemical kinetic and equilibrium | 57 | 7 | 0 | 3.61 |
| Question 6 | 7 | Non-metal and their compounds | 57 | 7 | 0 | 2.65 |
| Question 7 | 7 | Ionic theory and electrolysis, atomic structure | 57 | 3.5 | 0 | 1.37 |
| Question 8 | 7 | Organic chemistry | 57 | 2 | 0 | 0.09 |
| Question 9 | 7 | Acids, base and salts | 57 | 4 | 0 | 0.74 |
| Question 10 | 7 | Soil chemistry, pollution (acidic rain) | 57 | 7 | 0 | 2.45 |
| Question 11 | 7 | Separation of mixtures, fuels and energy (biogas plant) | 57 | 2.5 | 0 | 1.14 |
| Question 12 | 7 | Hydrogen (preparation) | 55 | 7 | 0 | 3.48 |
| Question 13 | 15 | Extraction of metals | 2 | 12 | 4 | 8.00 |
| Question 14 | 15 | Pollution | 56 | 15 | 1 | 9.13 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | | 57 | 17 | 0 | 3.91 |
| Question 2 | 25 | | 57 | 24 | 0 | 11.82 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIOLOGY | 95 | 0 | 71 | 24 | 3.8421 | 73/97 | 25/30 | 2/5 |

GRADE : A=0; B=0; C=39; D=32; F=24;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Various topics | 95 | 9 | 0 | 4.83 |
| Question 2 | 5 | Movement | 95 | 5 | 0 | 1.99 |
| Question 3 | 6 | Introduction to biology | 95 | 3 | 0 | 1.12 |
| Question 4 | 6 | Safety in our environment | 94 | 6 | 0 | 3.35 |
| Question 5 | 6 | Safety in our environment | 93 | 5.5 | 0 | 2.20 |
| Question 6 | 6 | Transport of material in living things | 82 | 6 | 0 | 1.25 |
| Question 7 | 6 | Cell structure and organization | 95 | 6 | 0 | 2.31 |

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| Question 8 | 6 | Classification of living things | 92 | 6 | 0 | 4.10 |
| Question 9 | 6 | Gaseous exchange, HIV/AIDS, STS's and STD's | 92 | 6 | 0 | 3.70 |
| Question 10 | 6 | Balance of nature | 93 | 6 | 0 | 4.44 |
| Question 11 | 6 | Movement | 73 | 6 | 0 | 0.90 |
| Question 12 | 6 | Reproduction, coordination | 86 | 6 | 0 | 1.73 |
| Question 13 | 15 | Nutrition | 88 | 13 | 0 | 7.18 |
| Question 14 | 10 | Genetics | 71 | 10 | 0 | 2.17 |
| Question 15 | 10 | Organic evolution | 20 | 6 | 0 | 0.75 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | Nutrition | 95 | 18 | 0 | 6.35 |
| Question 2 | 25 | Classification of living things | 95 | 21 | 0 | 13.05 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 93 | 0 | 69 | 24 | 3.7957 | 55/97 | 17/30 | 1/5 |

GRADE : A=1; B=4; C=32; D=32; F=24;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 93 | 8 | 0 | 2.78 |
| Question 2 | 5 | Matching items | 91 | 5 | 0 | 1.23 |
| Question 3 | 11 | Map reading and interpretation | 93 | 10 | 0 | 5.58 |
| Question 4 | 11 | Statistics | 91 | 10.5 | 0 | 4.15 |
| Question 5 | 11 | Survey | 91 | 8 | 0 | 2.38 |
| Question 6 | 11 | Research | 92 | 9 | 0 | 3.17 |
| Question 7 | 11 | Photograph reading and interpretation | 91 | 11 | 0 | 5.16 |
| Question 8 | 15 | Population | 51 | 15 | 0 | 6.08 |
| Question 9 | 15 | Agriculture | 82 | 15 | 0 | 11.04 |
| Question 10 | 15 | Solar system | 47 | 11 | 0 | 4.15 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|---------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CIVICS | 93 | 0 | 88 | 5 | 2.8172 | 67/97 | 23/30 | 2/5 |

GRADE : A=4; B=29; C=45; D=10; F=5;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|-------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 93 | 8 | 1 | 4.76 |
| Question 2 | 5 | Matching items | 93 | 4 | 0 | 1.15 |
| Question 3 | 5 | Economic and social development | 92 | 4.5 | 0 | 1.46 |
| Question 4 | 5 | Globalization | 32 | 5 | 0 | 1.44 |
| Question 5 | 5 | Culture | 79 | 5 | 0 | 2.97 |
| Question 6 | 5 | Culture | 92 | 5 | 0 | 4.57 |
| Question 7 | 5 | Citizenship | 85 | 5 | 0 | 3.79 |
| Question 8 | 5 | Proper behavior and decision making | 92 | 5 | 0 | 3.80 |
| Question 9 | 5 | Life skills | 92 | 5 | 0 | 4.67 |
| Question 10 | 5 | Culture | 93 | 5 | 0 | 4.47 |
| Question 11 | 15 | Culture, contemporary issues | 74 | 13.5 | 0.5 | 8.55 |
| Question 12 | 15 | Contemporary , cross cutting issues | 59 | 14 | 0 | 8.79 |
| Question 13 | 15 | Culture | 64 | 14 | 0 | 10.01 |
| Question 14 | 15 | Government | 68 | 13.5 | 3 | 8.79 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| KISWAHILI | 94 | 0 | 88 | 6 | 3.5638 | 73/97 | 23/30 | 3/5 |

GRADE : A=0; B=0; C=47; D=41; F=6;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|--|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Kuchagua | 92 | 7 | 1 | 4.23 |
| Question 2 | 5 | Kuoanisha | 94 | 5 | 0 | 2.29 |
| Question 3 | 4 | Sarufi | 92 | 3 | 0 | 1.07 |
| Question 4 | 4 | Mjengo wa tungo | 93 | 4 | 0 | 0.45 |
| Question 5 | 8 | Utunzi wa lugha katika miktadha mbalimbali | 94 | 8 | 0 | 7.27 |
| Question 6 | 8 | Historia ya maendeleo ya lugha ya kiswahili | 93 | 8 | 0 | 4.68 |
| Question 7 | 8 | Fasihi kwa ujumla | 94 | 8 | 0 | 2.46 |
| Question 8 | 8 | Ufahamu na ufupisho | 94 | 8 | 0 | 2.12 |
| Question 9 | 15 | Uandishi | 80 | 12 | 3 | 8.02 |
| Question 10 | 15 | Uhakiki wa kazi za fasihi andishi | 84 | 13 | 2.5 | 7.49 |
| Question 11 | 15 | Uhakiki wa kazi za fasihi andishi - tamthiliya | 54 | 13 | 0 | 8.10 |
| Question 12 | 15 | Utungaji wa kazi za fasihi simulizi | 48 | 14 | 0 | 3.04 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ENGLISH LANGUAGE | 95 | 0 | 89 | 6 | 2.8211 | 57/97 | 20/30 | 2/5 |

GRADE : A=11; B=26; C=33; D=19; F=6;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|-------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 95 | 10 | 0 | 6.35 |
| Question 2 | 5 | Matching items | 95 | 5 | 0 | 4.06 |
| Question 3 | 5 | Factual and non factual information | 93 | 5 | 0 | 3.61 |
| Question 4 | 5 | Language use | 94 | 5 | 0 | 1.74 |
| Question 5 | 5 | Language use | 91 | 5 | 0 | 2.81 |
| Question 6 | 8 | Directions, preposition of place | 94 | 8 | 0 | 6.13 |
| Question 7 | 7 | Family tree | 95 | 3 | 0 | 1.15 |
| Question 8 | 10 | Decoration | 94 | 8 | 0 | 5.30 |
| Question 9 | 15 | Composition, writing skills | 40 | 15 | 1 | 7.88 |
| Question 10 | 15 | Literary works | 74 | 14 | 0 | 7.66 |
| Question 11 | 15 | Literary works | 90 | 15 | 1 | 9.50 |
| Question 12 | 15 | Literary works | 79 | 15 | 0 | 9.30 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 95 | 0 | 78 | 17 | 3.7368 | 49/96 | 18/29 | 1/5 |

GRADE : A=0; B=1; C=40; D=37; F=17;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|--|----------------|---------------|--------------|---------------|
| Question 1 | 15 | Multiple choices | 95 | 13 | 3 | 7.11 |
| Question 2 | 5 | Matching items | 95 | 5 | 0 | 2.09 |
| Question 3 | 12 | Short notes | 92 | 10 | 0 | 2.33 |
| Question 4 | 12 | Establishment of colonialism | 95 | 8 | 0 | 1.24 |
| Question 5 | 11 | Sketch map | 93 | 10 | 0 | 3.57 |
| Question 6 | 15 | Social and political organization | 86 | 14 | 1 | 8.73 |
| Question 7 | 15 | Nationalism and decolonization process | 21 | 14 | 1 | 9.55 |
| Question 8 | 15 | Colonial economy | 89 | 14 | 0 | 8.17 |
| Question 9 | 15 | Africa in the international affairs | 77 | 14 | 0 | 9.09 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|-------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC MATHEMATICS | 93 | 0 | 7 | 86 | 4.9247 | 72/97 | 22/30 | 1/5 |

GRADE : A=0; B=0; C=0; D=7; F=86;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 6 | Decimal and percentage, number system | 93 | 5 | 0 | 0.71 |
| Question 2 | 6 | Exponents and radicals, logarithms | 93 | 3 | 0 | 0.33 |
| Question 3 | 6 | Probability, sets | 93 | 3 | 0 | 0.45 |
| Question 4 | 6 | Coordinate geometry, vectors | 93 | 6 | 0 | 1.12 |
| Question 5 | 6 | Areas and perimeters, similarities | 93 | 5 | 0 | 0.58 |
| Question 6 | 6 | Rate and variations | 92 | 6 | 0 | 1.78 |
| Question 7 | 6 | Accounts, ratio, profit and loss | 92 | 3 | 0 | 0.88 |
| Question 8 | 6 | Sequence and series | 93 | 4 | 0 | 0.63 |
| Question 9 | 6 | Trigonometry, pythagorus | 93 | 3 | 0 | 0.06 |
| Question 10 | 6 | Quadratic equations | 93 | 4 | 0 | 0.28 |
| Question 11 | 10 | Statistics, circle | 93 | 7 | 0 | 1.64 |
| Question 12 | 10 | Earths as sphere, three dimension | 93 | 10 | 0 | 0.91 |
| Question 13 | 10 | Matrix and transformation | 93 | 10 | 0 | 0.88 |
| Question 14 | 10 | Function, linear programing | 90 | 3 | 0 | 0.11 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIOCESE / RANK |
|-----------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIBLE KNOWLEDGE | 88 | 0 | 54 | 34 | 4.2045 | 48/54 | 22/24 | 3/4 |

GRADE : A=0; B=0; C=16; D=38; F=34;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---|----------------|---------------|--------------|---------------|
| Question 1 | 20 | Various topics | 88 | 16 | 0 | 8.81 |
| Question 2 | 5 | Israel patriarchs and Paul missionary journey | 88 | 4 | 0 | 1.15 |
| Question 3 | 9 | Life of Jacob | 62 | 9 | 0 | 2.47 |
| Question 4 | 9 | Jerusalem council | 44 | 3 | 0 | 0.93 |
| Question 5 | 9 | The roles of Angels in Jesus' mission | 18 | 9 | 0 | 3.33 |
| Question 6 | 9 | Jesus mission in Galilee | 74 | 7 | 0 | 5.18 |
| Question 7 | 9 | Senvions of the mountains | 13 | 4 | 0 | 1.08 |
| Question 8 | 9 | Jesus transfiguration | 74 | 6 | 0 | 4.01 |
| Question 9 | 9 | Parables of the kingdom | 44 | 9 | 2 | 5.27 |
| Question 10 | 9 | Jesus resurrection | 72 | 8 | 0 | 4.42 |

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|---------------|--------------|--|-----------------------|----------------------|---------------------|----------------------|
| Question 11 | 15 | Paul's missionary journey | 58 | 14 | 0 | 8.29 |
| Question 12 | 15 | Israel under the leadership of Joshua and Judges | 48 | 13 | 0 | 0.48 |
| Question 13 | 15 | Israel under the leadership of Joshua and Judges | 48 | 7 | 0 | 1.29 |