



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

**RHINO TECHNICAL SECONDARY SCHOOL
FORM FOUR SUBJECTS PERFORMANCE REPORT - 2021**

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
CHEMISTRY	24	0	14	10	4.2917	83/97	51/60	14/14

GRADE : A=0; B=0; C=3; D=11; F=10;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
PAPER 1						
Question 1	10	Multiple choices	24	7	0	3.75
Question 2	5	Atomic structure	24	4	1	2.38
Question 3	7	Formula. bonding and nomenclature, mole concept	24	4.5	0	0.85
Question 4	7	Salts (action of heat on salts), hardness of water	23	4	0	0.39
Question 5	7	Chemical kinetic and equilibrium	24	5	0	2.63
Question 6	7	Non-metal and their compounds	24	4	0	2.00
Question 7	7	Ionic theory and electrolysis, atomic structure	24	5	0	1.48
Question 8	7	Organic chemistry	24	1	0	0.08
Question 9	7	Acids, base and salts	24	2	0	0.38
Question 10	7	Soil chemistry, pollution (acidic rain)	24	7	0	2.92
Question 11	7	Separation of mixtures, fuels and energy (biogas plant)	24	4	0	0.81
Question 12	7	Hydrogen (preparation)	24	6	0	3.19
Question 13	15	Extraction of metals	2	2	2	2.00
Question 14	15	Pollution	22	12	0	7.55
PAPER 2						
Question 1	25		23	18	2	8.65
Question 2	25		23	25	4	15.17

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BIOLOGY	62	0	30	32	4.2097	85/97	51/60	14/14

GRADE : A=2; B=0; C=13; D=15; F=32;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
PAPER 1						
Question 1	10	Various topics	61	9	1	4.77
Question 2	5	Movement	61	5	0	2.34
Question 3	6	Introduction to biology	60	6	0	4.15
Question 4	6	Safety in our environment	59	6	0	3.19
Question 5	6	Safety in our environment	59	5	0	2.13
Question 6	6	Transport of material in living things	46	6	0	0.54
Question 7	6	Cell structure and organization	59	6	0	2.01
Question 8	6	Classification of living things	55	6	0	2.42
Question 9	6	Gaseous exchange, HIV/AIDS, STS's and STD's	60	5.5	0	2.55
Question 10	6	Balance of nature	59	6	0	3.51
Question 11	6	Movement	51	5	0	1.88
Question 12	6	Reproduction, coordination	45	4	0	1.04
Question 13	15	Nutrition	58	11	0	5.18
Question 14	10	Genetics	28	7	0	1.68
Question 15	10	Organic evolution	11	6	0	1.64
PAPER 2						
Question 1	25	Nutrition	62	21.5	0	5.90
Question 2	25	Classification of living things	62	23.5	0	9.79

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
GEOGRAPHY	62	0	30	32	4.3871	83/97	51/60	14/14

GRADE : A=0; B=0; C=8; D=22; F=32;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	62	6	0	2.74
Question 2	5	Matching items	62	4	0	0.98
Question 3	11	Map reading and interpretation	59	10	0	5.04
Question 4	11	Statistics	61	9.5	0	4.24

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 5	11	Survey	50	7	0	0.22
Question 6	11	Research	56	11	0	2.42
Question 7	11	Photograph reading and interpretation	59	11	0	5.67
Question 8	15	Population	28	14	0	5.48
Question 9	15	Agriculture	49	15	0	5.82
Question 10	15	Solar system	32	11	0	4.31

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
CIVICS	62	0	51	11	3.5000	89/97	55/60	14/14

GRADE : A=2; B=3; C=30; D=16; F=11;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	62	9	3	5.02
Question 2	5	Matching items	62	4	0	1.19
Question 3	5	Economic and social development	60	4.5	0	1.34
Question 4	5	Globalization	37	5	0	0.95
Question 5	5	Culture	53	5	0	1.50
Question 6	5	Culture	60	5	0	2.70
Question 7	5	Citizenship	59	5	0	4.17
Question 8	5	Proper behavior and decision making	60	5	0	3.31
Question 9	5	Life skills	55	5	0	3.31
Question 10	5	Culture	54	5	0	3.46
Question 11	15	Culture, contemporary issues	59	14	0	7.38
Question 12	15	Contemporary , cross cutting issues	39	14.5	1	8.60
Question 13	15	Culture	39	14	0	6.13
Question 14	15	Government	26	13	0	7.52

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
LITERATURE IN ENGLISH	16	0	12	4	4.0625	36/36	27/27	3/3

GRADE : A=0; B=0; C=3; D=9; F=4;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Theory of literature	16	7	3	5.00
Question 2	5	Theory of literature	16	4	1	2.69
Question 3	10	Theory of literature	16	9	3	6.00
Question 4	10	Theory of literature	16	7	3	5.25
Question 5	10	Theory of literature	15	6	0	2.87
Question 6	10	Theory of literature	11	2	0	1.45
Question 7	15	Analysis of play	15	9	0	2.43
Question 8	15	Analysis/interpretation of play	14	11	1	4.04
Question 9	15	Analysis/interpretation of novel	16	9	3	7.66
Question 10	15	Interpretation of poems	1	8	8	8.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
KISWAHILI	62	0	53	9	3.8710	89/97	54/60	14/14

GRADE : A=0; B=1; C=15; D=37; F=9;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Kuchagua	62	6	1	3.39
Question 2	5	Kuoanisha	62	5	0	2.11
Question 3	4	Sarufi	57	2	0	0.56
Question 4	4	Mjengo wa tungo	61	4	0	1.98
Question 5	8	Utunzi wa lugha katika miktadha mbalimbali	62	8	0	6.71
Question 6	8	Historia ya maendeleo ya lugha ya kiswahili	62	8	0	3.40
Question 7	8	Fasihi kwa ujumla	58	8	0	1.05
Question 8	8	Ufahamu na ufupisho	58	6	0	2.10
Question 9	15	Uandishi	36	10	0	2.33
Question 10	15	Uhakiki wa kazi za fasihi andishi	60	12	0	7.37
Question 11	15	Uhakiki wa kazi za fasihi andishi - tamthiliya	55	14	0	9.00
Question 12	15	Utungaji wa kazi za fasihi simulizi	22	9	0	1.55

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
ENGLISH LANGUAGE	62	0	46	16	3.9194	88/97	52/60	14/14

GRADE : A=0; B=2; C=17; D=27; F=16;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	62	9	0	4.79
Question 2	5	Matching items	62	5	0	2.82
Question 3	5	Factual and non factual information	62	5	0	3.63
Question 4	5	Language use	59	5	0	1.83
Question 5	5	Language use	57	5	0	2.09
Question 6	8	Directions, preposition of place	58	8	0	5.31
Question 7	7	Family tree	61	5	0	0.95
Question 8	10	Decoration	59	8	0	3.53
Question 9	15	Composition, writing skills	35	10	0	4.09
Question 10	15	Literary works	49	8	0	3.69
Question 11	15	Literary works	56	13	0	5.13
Question 12	15	Literary works	35	15	0	5.94

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
HISTORY	48	0	24	24	4.4167	81/96	48/60	14/14

GRADE : A=0; B=0; C=4; D=20; F=24;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	15	Multiple choices	48	12	1	5.44
Question 2	5	Matching items	48	5	0	1.75
Question 3	12	Short notes	44	7	0	0.93
Question 4	12	Establishment of colonialism	48	12	0	1.33
Question 5	11	Sketch map	46	6	0	0.91
Question 6	15	Social and political organization	39	10	0	5.83
Question 7	15	Nationalism and decolonization process	9	9	0	3.00
Question 8	15	Colonial economy	42	14	1	7.64
Question 9	15	Africa in the international affairs	41	14	0	7.62

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
BASIC MATHEMATICS	62	0	4	58	4.9355	77/97	46/60	13/14

GRADE : A=0; B=0; C=0; D=4; F=58;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	6	Decimal and percentage, number system	62	6	0	1.52
Question 2	6	Exponents and radicals, logarithms	62	3	0	0.23
Question 3	6	Probability, sets	62	3	0	0.50
Question 4	6	Coordinate geometry, vectors	62	6	0	0.88
Question 5	6	Areas and perimeters, similarities	62	3.5	0	0.61
Question 6	6	Rate and variations	62	6	0	1.69
Question 7	6	Accounts, ratio, profit and loss	62	5	0	1.62
Question 8	6	Sequence and series	62	6	0	0.81
Question 9	6	Trigonometry, pythagoras	62	2	0	0.10
Question 10	6	Quadratic equations	62	6	0	0.49
Question 11	10	Statistics, circle	62	8	0	1.73
Question 12	10	Earths as sphere, three dimension	62	2.5	0	0.10
Question 13	10	Matrix and transformation	62	10	0	0.67
Question 14	10	Function, linear programming	61	7	0	1.25

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
BRICKWORK AND MASONRY	4	0	4	0	3.0000	1/2	1/1	1/1

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	4	6	4	5.00
Question 2	5	Matching items	4	2	0	1.00
Question 3	5	Stripping items	4	5	2	3.50
Question 4	5	Foundation	4	5	0	3.00
Question 5	5	Concrete	4	5	5	5.00
Question 6	5	Cracks in wall	4	4	2	3.25
Question 7	5	Chimney	4	4	2	2.75
Question 8	5	Roofs construction	4	4	2	3.50
Question 9	5	Windows	4	4	3	3.25
Question 10	5	Hinge	4	3	1	2.00
Question 11	15	Clearing	4	6	3	4.50
Question 12	15	Square	4	10	8	9.25
Question 13	15	Shores	0	0	0	0.00

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 14	15	Drainage system	4	8	7	7.75

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ELECTRICAL INSTALLATION	9	0	6	3	3.7778	1/2	1/1	1/1

GRADE : A=0; B=0; C=5; D=1; F=3;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	9	5	0	2.44
Question 2	5	Conductors	9	5	0	2.56
Question 3	5	Cells	9	5	0	2.67
Question 4	5	Conductors	9	4	0	2.33
Question 5	5	Mechanical protection	9	4	0	2.22
Question 6	5	Measuring instruments	9	2	0	1.44
Question 7	5	Resistivity	9	2	0	1.00
Question 8	5	DC generator	9	4	0	2.00
Question 9	5	Heat and temperature	9	2	2	2.00
Question 10	5	Installation	9	5	2	3.89
Question 11	15	Three phase power	8	10	0	4.75
Question 12	15	Cables	3	5	0	1.67
Question 13	15	Conduct and ducting	9	12	0	7.78
Question 14	15	Alternators	8	10	1	5.13

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BUILDING CONSTRUCTION	4	0	3	1	4.2500	2/2	1/1	1/1

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	4	7	3	4.25
Question 2	5	Matching items	4	3	0	1.00
Question 3	5	Door fixing	4	4	2	3.00
Question 4	5	Types of doors	4	4	2	2.75
Question 5	5	Architect	4	4	2	2.75
Question 6	5	Sloping	4	5	2	3.50
Question 7	5	Doors	4	5	0	2.25
Question 8	5	Door frames	4	3	2	2.25
Question 9	5	Building regulations	4	2	0	1.00
Question 10	5	Windows	4	4	2	3.25
Question 11	15	Building	4	4	4	4.00
Question 12	15	Shoring	1	3	3	3.00
Question 13	15	Linters	4	10	2	6.25
Question 14	15	Coping	2	2	2	2.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ELECTRICAL ENGINEERING	9	0	9	0	3.3333	1/3	1/1	1/1

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	9	2	0	1.11
Question 2	5	Cells	9	4	2	2.78
Question 3	5	Electromagnetic induction	9	4	1	2.56
Question 4	5	DC motors	9	4	0	2.00
Question 5	5	Batteries	9	5	2	2.78
Question 6	5	Resistivity	9	5	1	2.78
Question 7	5	DC generators	9	4	2	3.67
Question 8	5	Electrolysis	9	4	0	2.44
Question 9	5	Diodes	9	4	0	2.11
Question 10	5	DC motors	9	5	2	3.56
Question 11	15	Measuring instrument	8	11	3	7.13
Question 12	15	Illumination	7	13	7	10.43
Question 13	15	Three phase power	5	7	3	4.40
Question 14	15	DC machines	7	10	3	6.86

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ENGINEERING SCIENCE	23	0	13	10	4.3043	1/3	1/1	1/1

GRADE : A=0; B=0; C=3; D=10; F=10;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	23	7	0	4.00
Question 2	5	FUndamental quantities	23	5	0	2.65
Question 3	5	Volume, mess and density	23	4	0	0.83
Question 4	5	Force	23	4	0	1.52
Question 5	5	Machines	23	5	0	1.78
Question 6	5	Centripetal forces	23	4	0	1.13
Question 7	5	Strings	23	5	0	1.83
Question 8	5	Heat and temperature	22	3	0	1.68
Question 9	5	Strain and stress	23	5	0	2.09
Question 10	5	Light	23	5	0	2.26
Question 11	15	Linear motion	17	9	0	4.71
Question 12	15	Current electricity	14	11	0	3.57
Question 13	15	Friction	16	8	0	3.50
Question 14	15	Pressure	19	7	0	3.89