



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

**SANU TECHNICAL SCHOOL
FORM FOUR SUBJECTS PERFORMANCE REPORT - 2021**

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
PHYSICS	0	0	0	0	0.0000	---	---	---

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
PAPER 1						
Question 1	10	Multiple choices	0	0	0	0.00
Question 2	5	Matching items	0	0	0	0.00
Question 3	10	Friction	0	0	0	0.00
Question 4	10	Equilibrium, relative density	0	0	0	0.00
Question 5	10	Optical instruments, censes	0	0	0	0.00
Question 6	10	Temperature and thermometer	0	0	0	0.00
Question 7	10	Magnetism	0	0	0	0.00
Question 8	10	Expansion of solid (thermal)	0	0	0	0.00
Question 9	12.5	Waves	0	0	0	0.00
Question 10	12.5	Archmedes, law of flotation	0	0	0	0.00
Question 11	12.5	Radioactivity	0	0	0	0.00
PAPER 2						
Question 1	25	Mechanics	0	0	0	0.00
Question 2	25	Electrics current	0	0	0	0.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
CHEMISTRY	32	0	18	14	4.2500	80/97	6/7	7/8

GRADE : A=0; B=0; C=6; D=12; F=14;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
PAPER 1						
Question 1	10	Multiple choices	32	6	1	3.06
Question 2	5	Atomic structure	32	4	0	2.03
Question 3	7	Formula. bonding and nomeclature, mole concept	32	4.5	0	0.92
Question 4	7	Salts (action of heat on salts), hardness of water	31	4	0	0.37
Question 5	7	Chemical kinetic and equilibrium	32	5	0	2.27
Question 6	7	Non-metal and their compounds	32	3	0	1.31
Question 7	7	Ionic theory and electrolysis, atomic structure	32	2.5	0	0.94
Question 8	7	Organic chemistry	32	0	0	0.00
Question 9	7	Acids, base and salts	32	2	0	0.19
Question 10	7	Soil chemistry, pollution (acidic rain)	32	7	0	2.13
Question 11	7	Separation of mixtures, fuels and energy (biogas plant)	32	4.5	0	0.86
Question 12	7	Hydrogen (preparation)	31	6	0	2.16
Question 13	15	Extraction of metals	1	2	2	2.00
Question 14	15	Pollution	28	13	1	9.23
PAPER 2						
Question 1	25		32	21	3	10.69
Question 2	25		32	21	2	13.06

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BIOLOGY	32	0	27	5	3.6250	66/97	4/7	6/8

GRADE : A=0; B=3; C=11; D=13; F=5;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
PAPER 1						
Question 1	10	Various topics	32	9	3	5.56
Question 2	5	Movement	32	5	0	2.41
Question 3	6	Introduction to biology	32	6	0	2.88
Question 4	6	Safety in our environment	32	6	0	3.23
Question 5	6	Safety in our environment	32	5.5	0	1.42
Question 6	6	Transport of material in living things	29	5	0	0.76
Question 7	6	Cell structure and organization	32	5	0	2.55

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 8	6	Classification of living things	31	6	0	3.00
Question 9	6	Gaseous exchange, HIV/AIDS, STS's and STD's	32	6	0	2.83
Question 10	6	Balance of nature	32	6	1	4.56
Question 11	6	Movement	32	6	0	2.28
Question 12	6	Reproduction, coordination	32	6	0	1.88
Question 13	15	Nutrition	28	12	0	5.93
Question 14	10	Genetics	17	4.5	0	1.65
Question 15	10	Organic evolution	12	8	0	3.75
PAPER 2						
Question 1	25	Nutrition	32	21	5	13.64
Question 2	25	Classification of living things	32	21	2.5	11.35

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
GEOGRAPHY	32	0	17	15	4.1875	76/97	6/7	7/8

GRADE : A=0; B=1; C=7; D=9; F=15;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	32	6	1	2.72
Question 2	5	Matching items	32	2	0	0.78
Question 3	11	Map reading and interpretation	32	10.5	1	5.48
Question 4	11	Statistics	31	11	0	5.24
Question 5	11	Survey	32	11	0	2.84
Question 6	11	Research	29	9	0	3.69
Question 7	11	Photograph reading and interpretation	32	10.5	0	4.72
Question 8	15	Population	13	12.5	0	3.35
Question 9	15	Agriculture	29	13	0	4.38
Question 10	15	Solar system	14	8	0	2.68

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
CIVICS	32	0	24	8	3.6875	93/97	7/7	8/8

GRADE : A=0; B=3; C=12; D=9; F=8;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	32	8	1	4.59
Question 2	5	Matching items	32	3	0	1.03
Question 3	5	Economic and social development	32	4	0	2.06
Question 4	5	Globalization	23	4	0	0.57
Question 5	5	Culture	31	5	0	1.39
Question 6	5	Culture	32	5	0	2.55
Question 7	5	Citizenship	30	5	0	2.85
Question 8	5	Proper behavior and decision making	31	5	0	3.31
Question 9	5	Life skills	32	5	1	3.69
Question 10	5	Culture	31	5	0	3.90
Question 11	15	Culture, contemporary issues	26	11	1	4.98
Question 12	15	Contemporary , cross cutting issues	28	14.5	0	8.71
Question 13	15	Culture	13	10	0	2.46
Question 14	15	Government	19	14	0	5.95

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
KISWAHILI	32	0	25	7	3.9063	90/97	7/7	8/8

GRADE : A=0; B=0; C=10; D=15; F=7;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Kuchagua	32	6	1	3.66
Question 2	5	Kuoanisha	32	4	0	1.97
Question 3	4	Sarufi	31	3	0	0.90
Question 4	4	Mjengo wa tungo	31	4	0	1.23
Question 5	8	Utunzi wa lugha katika miktadha mbalimbali	32	8	2	6.38
Question 6	8	Historia ya maendeleo ya lugha ya kiswahili	32	8	0	3.00
Question 7	8	Fasihi kwa ujumla	32	4	0	0.81
Question 8	8	Ufahamu na ufupisho	32	4	0	1.06
Question 9	15	Uandishi	18	7.5	0	2.47
Question 10	15	Uhakiki wa kazi za fasihi andishi	32	13.5	2	8.27
Question 11	15	Uhakiki wa kazi za fasihi andishi - tamthiliya	30	13	1	8.30
Question 12	15	Utungaji wa kazi za fasihi simulizi	12	2	0	1.33

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ENGLISH LANGUAGE	32	0	27	5	3.9063	87/97	7/7	8/8

GRADE : A=0; B=0; C=8; D=19; F=5;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	32	9	1	4.72
Question 2	5	Matching items	32	5	0	3.25
Question 3	5	Factual and non factual information	32	5	0	3.44
Question 4	5	Language use	30	5	0	1.30
Question 5	5	Language use	30	5	0	1.50
Question 6	8	Directions, preposition of place	31	8	0	5.97
Question 7	7	Family tree	32	5	0	2.00
Question 8	10	Decoration	32	9	1	6.09
Question 9	15	Composition, writing skills	28	9	0	3.63
Question 10	15	Literary works	27	10.5	0	4.72
Question 11	15	Literary works	8	7.5	0	2.56
Question 12	15	Literary works	26	11.5	0	2.40

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
HISTORY	2	0	0	2	5.0000	96/96	7/7	8/8

GRADE : A=0; B=0; C=0; D=0; F=2;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	15	Multiple choices	2	5	4	4.50
Question 2	5	Matching items	2	2	1	1.50
Question 3	12	Short notes	2	1	0	0.50
Question 4	12	Establishment of colonialism	2	2	0	1.00
Question 5	11	Sketch map	2	0	0	0.00
Question 6	15	Social and political organization	1	1	1	1.00
Question 7	15	Nationalism and decolonization process	1	1	1	1.00
Question 8	15	Colonial economy	2	9	5	7.00
Question 9	15	Africa in the international affairs	2	7.5	4	5.75

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BASIC MATHEMATICS	32	0	5	27	4.8438	60/97	4/7	5/8

GRADE : A=0; B=0; C=0; D=5; F=27;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	6	Decimal and percentage, number system	32	5.5	0	1.47
Question 2	6	Exponents and radicals, logarithms	32	0	0	0.00
Question 3	6	Probability, sets	32	1	0	0.09
Question 4	6	Coordinate geometry, vectors	32	5	0	1.05
Question 5	6	Areas and perimeters, similarities	32	6	0	0.64
Question 6	6	Rate and variations	32	6	0	2.63
Question 7	6	Accounts, ratio, profit and loss	32	3	0	1.75
Question 8	6	Sequence and series	32	5.5	0	0.55
Question 9	6	Trigonometry, pythagorus	32	2	0	0.22
Question 10	6	Quadratic equations	32	2	0	0.11
Question 11	10	Statistics, circle	32	8	0	1.83
Question 12	10	Earths as sphere, three dimension	32	4	0	0.44
Question 13	10	Matrix and transformation	32	5	0	1.25
Question 14	10	Function, linear programing	32	6.5	0	0.92

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BRICKWORK AND MASONRY	7	0	7	0	3.1429	2/2	1/1	1/1

GRADE : A=0; B=0; C=6; D=1; F=0;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	7	7	2	3.86
Question 2	5	Matching items	7	3	0	1.43
Question 3	5	Stripping items	7	4	3	3.14
Question 4	5	Foundation	7	5	3	4.00
Question 5	5	Concrete	7	5	4	4.43
Question 6	5	Cracks in wall	7	5	2	3.71
Question 7	5	Chimney	7	5	1	3.14
Question 8	5	Roofs construction	7	5	2	4.00
Question 9	5	Windows	7	5	2	3.71
Question 10	5	Hinge	7	3	0	1.14

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 11	15	Clearing	5	8	3	5.80
Question 12	15	Square	3	7	5	6.00
Question 13	15	Shores	7	9	0	4.71
Question 14	15	Drainage system	6	11	0	6.83

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
MOTOR VEHICLE MECHANICS	16	0	8	8	4.3750	1/1	1/1	1/1

GRADE : A=0; B=0; C=2; D=6; F=8;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	16	4	0	2.31
Question 2	5	Cooling system	16	5	0	3.31
Question 3	5	Radiator	16	3	0	0.94
Question 4	5	Self starter	16	5	0	1.13
Question 5	5	Camber angle and caster angle	16	5	0	4.13
Question 6	5	Overcoding	16	4	0	1.63
Question 7	5	Fuel system	16	4	0	1.75
Question 8	5	Protective equipments	16	5	0	2.94
Question 9	5	Engine system	16	5	0	2.75
Question 10	5	Mechanical tools	15	4	0	1.07
Question 11	15	Charging system	10	8	0	2.90
Question 12	15	Braking system	15	8	0	2.47
Question 13	15	Suspension system	9	8	0	2.78
Question 14	15	Piston	13	4	0	1.62

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ELECTRICAL INSTALLATION	5	0	3	2	4.2000	2/2	1/1	1/1

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	5	6	2	3.80
Question 2	5	Conductors	5	4	2	3.00
Question 3	5	Cells	5	4	0	2.00
Question 4	5	Conductors	5	3	0	1.80
Question 5	5	Mechanical protection	5	5	0	2.00
Question 6	5	Measuring instruments	5	2	1	1.60
Question 7	5	Resistivity	5	3	0	1.80
Question 8	5	DC generator	5	2	0	0.80
Question 9	5	Heat and temperature	5	2	1	1.80
Question 10	5	Installation	5	5	1	2.80
Question 11	15	Three phase power	5	5	0	1.20
Question 12	15	Cables	4	5	0	2.75
Question 13	15	Conduct and ducting	3	10	4	7.67
Question 14	15	Alternators	3	4	0	2.67

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
WORKSHOP TECHNOLOGY	16	0	5	11	4.5625	1/1	1/1	1/1

GRADE : A=0; B=0; C=2; D=3; F=11;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	16	6	0	2.19
Question 2	5	Measurement	16	4	0	0.88
Question 3	5	Shafts	16	4	0	2.38
Question 4	5	Production of metals	16	4	0	2.19
Question 5	5	Interchangeable	16	2	0	0.81
Question 6	5	Unilateral system	15	5	0	1.53
Question 7	10	Hole basis	16	4	0	1.56
Question 8	5	Hole basis	16	4	0	1.06
Question 9	10	Fits	16	9	0	3.19
Question 10	5	Fits	16	4	0	0.50
Question 11	5	Identification of metals	14	5	0	0.71
Question 12	15	Heat treatment	4	3	0	1.25
Question 13	15	Tools	14	10	0	2.93
Question 14	15	Iron	16	10	2	8.25

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
BUILDING CONSTRUCTION	7	0	5	2	4.0000	1/2	1/1	1/1

GRADE : A=0; B=0; C=2; D=3; F=2;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	7	10	3	4.71
Question 2	5	Matching items	7	5	0	1.71
Question 3	5	Door fixing	7	5	0	2.43
Question 4	5	Types of doors	7	5	0	2.43
Question 5	5	Architect	7	4	0	2.29
Question 6	5	Sloping	7	4	0	2.14
Question 7	5	Doors	7	4	2	2.86
Question 8	5	Door frames	7	3	0	2.14
Question 9	5	Building regulations	7	2	0	0.43
Question 10	5	Windows	7	3	0	1.86
Question 11	15	Building	1	4	4	4.00
Question 12	15	Shoring	7	5	1	3.14
Question 13	15	Linter	6	8	3	5.33
Question 14	15	Coping	7	4	1	2.71

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ELECTRICAL ENGINEERING	5	0	5	0	3.8000	2/3	1/1	1/1

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	5	2	0	1.20
Question 2	5	Cells	5	2	1	1.80
Question 3	5	Electromagnetic induction	5	3	1	2.20
Question 4	5	DC motors	5	3	0	1.40
Question 5	5	Batteries	5	2	0	1.00
Question 6	5	Resistivity	5	2	2	2.00
Question 7	5	DC generators	5	5	4	4.40
Question 8	5	Electrolysis	5	3	2	2.60
Question 9	5	Diodes	5	2	0	1.00
Question 10	5	DC motors	5	4	2	3.20
Question 11	15	Measuring instrument	4	9	6	7.75
Question 12	15	Illumination	5	11	2	7.00
Question 13	15	Three phase power	5	7	3	5.20
Question 14	15	DC machines	1	6	6	6.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIOCESE / RANK
ENGINEERING SCIENCE	32	0	11	21	4.5000	3/3	1/1	1/1

GRADE : A=0; B=0; C=5; D=6; F=21;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Multiple choices	32	8	0	3.22
Question 2	5	FUndamental quantities	32	4	0	2.31
Question 3	5	Volume, mess and density	32	4	0	0.66
Question 4	5	Force	32	4	0	1.31
Question 5	5	Machines	32	4	0	1.22
Question 6	5	Centripetal forces	32	5	0	1.16
Question 7	5	Strings	31	3	0	0.61
Question 8	5	Heat and temperature	32	3	0	1.13
Question 9	5	Strain and stress	31	4	0	1.29
Question 10	5	Light	30	4	0	1.80
Question 11	15	Linear motion	24	13	0	4.33
Question 12	15	Current electricity	27	11	0	2.41
Question 13	15	Friction	13	7	0	1.38
Question 14	15	Pressure	29	11	0	4.76