



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

**St. James Seminary School**  
**FORM SIX SUBJECTS PERFORMANCE REPORT - 2023**

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
ADVANCED MATHEMATICS	18	0	4	14	6.7222	21/32	15/20	12/15

GRADE : A=0; B=0; C=0; D=0; E=1; S=3; F=14;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	10	Calculating device	18	5	2.5	3.75
Question 2	10	Hyperbolic function	7	7	5	5.57
Question 3	10	Linear programming	18	10	5.5	8.33
Question 4	10	Statistics	18	6.5	1	4.33
Question 5	10	Sets	18	8	0	4.78
Question 6	10	Function	18	9	1	3.11
Question 7	10	Numerical method	13	5	0	3.62
Question 8	10	Coordinate geometry I	18	5	0	2.08
Question 9	10	Integration	17	0	0	0.00
Question 10	10	Differentiation	16	0	0	0.00
<b>PAPER 2</b>						
Question 1	15	Probability	18	7	0	2.67
Question 2	15	Logic	18	11	0	4.36
Question 3	15	Vector	18	10	2	5.50
Question 4	15	Complex number	18	5	0	1.33
Question 5	20	Trigonometric ratio	18	4	0	0.83
Question 6	20	Algebra	18	14	2	7.58
Question 7	20	Differentiation equation	18	0	0	0.00
Question 8	20	Coordinate geometry II	17	0	0	0.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
PHYSICS	12	0	9	3	6.0000	20/30	13/18	10/14

GRADE : A=0; B=0; C=0; D=0; E=3; S=6; F=3;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	10	Measurement	12	9	0	5.00
Question 2	10	Gravitation	12	5	0	1.29
Question 3	10	Circular motion, gravitation	12	8	0	3.92
Question 4	10	Projectile motion, Newton's law of motion	12	5	0	2.67
Question 5	10	Heat	12	6	0	4.50
Question 6	10	Heat	12	4	0	0.75
Question 7	10	Environmental physics	11	8	3	5.00
Question 8	15	Current electricity	2	2	2	2.00
Question 9	15	Electronics	10	10	3	6.10
Question 10	15	Electronics	11	10	0	2.18
<b>PAPER 2</b>						
Question 1	20	Fluid dynamics	12	14	4	9.38
Question 2	20	Waves	11	13.5	2.5	8.45
Question 3	20	Properties of materials (matter)	12	20	5	13.17
Question 4	20	Static electricity	4	2	0	1.50
Question 5	20	Electromagnetism	2	6	1	3.50
Question 6	20	Morden physics	11	15	3	7.73
<b>PAPER 3</b>						
Question 1	20	Mechanics	12	19	6.5	14.83
Question 2	15	Heat	12	11	2	8.04
Question 3	15	Current electricity	12	12	0	3.96

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
CHEMISTRY	12	0	9	3	5.1667	12/32	7/18	5/14

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	10	Atomic structure	12	10	3.5	6.88
Question 2	10	Chemical bonding	12	7	0	3.79
Question 3	10	Gases	12	8	2	4.17
Question 4	10	Relative molecular masses in solution	12	8	1	4.79
Question 5	10	Inorganic (selected compounds of metals)	12	10	0	5.17
Question 6	10	Thermochemistry	12	10	3	5.08
Question 7	10	Chemical equilibrium	12	9	1	4.54
Question 8	15	Organic chemistry (aliphatic hydrocarbons)	8	11.5	2	6.44
Question 9	15	Organic chemistry (aromatic hydrocarbons)	4	9	1	4.63
Question 10	15	Soil chemistry	11	13	5	9.73
<b>PAPER 2</b>						
Question 1	20	Two components liquid system	12	12	4.5	7.08
Question 2	20	Chemical kinetics	12	8.5	0	3.17
Question 3	20	Buffer solution (Acid, base and salts)	12	12.5	1	5.33
Question 4	20	Periodic classification	12	14.5	0	5.58
Question 5	20	Transition elements	11	11	0	4.95
Question 6	20	Carbon compounds	0	0	0	0.00
<b>PAPER 3</b>						
Question 1	20	Redox titration	12	19	10.5	16.54
Question 2	15	Thermochemistry (energetic)	12	11	3	5.67
Question 3	15	Qualitative analysis	12	15	13	14.33

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
GEOGRAPHY	11	0	10	1	4.2727	21/39	12/23	8/16

GRADE : A=0; B=0; C=3; D=4; E=3; S=0; F=1;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	25	Statistics	11	23.5	2	11.86
Question 2	15	Photograph	9	15	3	7.72
Question 3	15	Survey	2	1.5	1	1.25
Question 4	20	Dynamic earth and Consequences	4	16	0	4.75
Question 5	20	Soil	8	18	1	14.63
Question 6	20	Water Masses	11	16	5	10.27
Question 7	20	Space Dynamics	10	11	2	4.60
<b>PAPER 2</b>						
Question 1	20	Population	11	20	0.5	7.59
Question 2	20	Population	11	20	7.5	17.05
Question 3	20	Agriculture	2	13	10	11.50
Question 4	20	Tourism	11	16	6.5	10.59
Question 5	20	Industry	11	15	7	11.36
Question 6	20	Fishing	9	20	1	12.61
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	23	0	23	0	4.0000	15/39	11/23	7/16

GRADE : A=0; B=1; C=5; D=11; E=5; S=1; F=0;

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	20	Philosophy and religion	4	14.5	14	14.25
Question 2	20	Contemporary and cross cutting issues	20	13	8.5	10.70
Question 3	20	Democracy	23	14	2	10.33
Question 4	20	Contemporary and cross cutting issues	17	15	5	10.18
Question 5	20	Science and technology	21	19	5	12.71
Question 6	20	International affairs	16	14	4	8.91
Question 7	20	Globalization	14	14	2	11.00

SUBJECT NAME	REGIST	WITHHELD	PASSED	FAILED	GPA	OVERALL / RANK	REG / RANK	DIocese / RANK
HISTORY	5	0	5	0	3.0000	3/38	3/22	2/16

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	20	Political and economic development in Tanzania since independence	5	14	2	9.70
Question 2	20	Africa and Europe in the 15th C	5	17.5	15.5	16.10
Question 3	20	People of African origin in the new World	3	15	12	13.67
Question 4	20	From colonialism to the First World War	5	15	13	14.00
Question 5	20	Colonial economy and social services after Second World War	3	10.5	8	8.83
Question 6	20	Pre-colonial African societies	2	16	0	8.00
Question 7	20	Influence of external forces and the rise of nationalism in Africa	2	14	13	13.50
<b>PAPER 2</b>						
Question 1	20	Neo-colonialism and underdevelopment in the third world countries	5	15.5	13	14.40
Question 2	20	Imperialism and territorial division of the World	4	17	14	15.00
Question 3	20	The rise of dictatorship in Germany, Italy and Japan	5	15.5	7	12.90
Question 4	20	The emergence of USA as a super power nation	4	16	12	14.38
Question 5	20	The rise of capitalism in Europe	2	12	10	11.00
Question 6	20	The rise of socialism	2	10	9.5	9.75
Question 7	20	Threat to the World peace after WWII	3	14	8	11.33

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BASIC APPLIED MATHEMATICS	5	0	0	5	7.0000	38/38	22/22	15/15

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
Question 1	10	Calculating devices	5	6.5	2	4.10
Question 2	10	Functions	5	4.5	1.5	3.30
Question 3	10	Algebra	5	3	1	1.80
Question 4	10	Differentiation	5	1	0	0.20
Question 5	10	Integration	5	0	0	0.00
Question 6	10	Statistics	5	6.5	2.5	3.60
Question 7	10	Probability	5	5	0	2.20
Question 8	10	Trigonometry	5	5.5	0	1.10
Question 9	10	Exponential and logarithmic functions	5	0	0	0.00
Question 10	10	Matrices and linear programming	5	10	5	7.20

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ECONOMICS	11	0	9	2	5.3636	18/33	14/21	11/15

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

NUMBER	MARKS	TOPIC / QUESTION DESCRIPTION	NO OF STUDENTS	HIGHEST SCORE	LOWEST SCORE	AVERAGE SCORE
<b>PAPER 1</b>						
Question 1	10	Subject matter of economics	11	6	0	1.64
Question 2	10	Trade cycle	11	4	0	2.55
Question 3	20	Theory of demand and supply	5	5	1	2.70
Question 4	20	Theory of firm	10	12.5	0	6.00
Question 5	20	Concept of market	6	11	0.5	4.50
Question 6	20	Money and price index	10	9	0	2.75
Question 7	20	Privatization	8	14.5	5	9.56
Question 8	20	Employment and unemployment	4	13	0	5.50
<b>PAPER 2</b>						
Question 1	10	Regional economic integration	11	10	0	7.18
Question 2	10	Public finance	11	7	1	3.27
Question 3	20	National income	2	20	6.5	13.25
Question 4	20	Financial institution	9	19	3	8.67
Question 5	20	Public finance	11	19	3	12.91
Question 6	20	International trade	4	15.5	12	14.25
Question 7	20	Marketing and distribution	10	17	0.5	11.15
Question 8	20	Structure of Tanzania economy	8	17	11.5	14.25