



THE KENYA NATIONAL EXAMINATIONS COUNCIL

KNEC/GEN/TD/PSE/TEC/TT/16

2016 JULY TECHNICAL EXAMINATIONS TIMETABLE

1 GENERAL INSTRUCTIONS

- 1.1 The time allowed for each paper is indicated against the name of the paper and **NO EXTRA TIME IS TO BE ALLOWED.** In case of any discrepancy, the time stated on the question paper should be taken as correct. Visually handicapped candidates will **NOT** be given extra time other than what is stated on their respective papers. They are allowed 30 minutes over and above the times indicated on this timetable for all subjects. Any time allocated to reading through questions is included in the total time shown, except when special paper instructions indicate otherwise.
- 1.2 All Examinations will start in the morning with the first session starting at 8.00 a.m.
- 1.3 Your attention is drawn to the regulations governing the conduct of candidates on the last page of this Timetable.
- 1.4 Supervisors **MUST** ensure that candidates have written their names, index numbers and have signed on their answer scripts before they collect the scripts from the candidates.

2 EXAMINATION PERIOD AND DATES FOR PRACTICAL & PROJECT ASSESSMENT JUNE/JULY 2016

	DATE		CODE	PAPER NUMBER AND NAME	TIME
2.1	START OF ALL PRACTICAL PAPERS WEDNESDAY 6 TH JULY 2016	1.	1102/315	Mechanical Engineering Trade Practice	25 Hrs
		2.	1103/315	Motor Vehicle Trade Practice	6 Hrs
		3.	1105/315	Agricultural Engineering trade Practice	6 Hrs
		4.	1106/315	Fabrication & Welding Trade Practice	25 Hrs
		5.	1202/314	Electrical Installation Practice	8 Hrs
		6.	1204/313	Electronic Instruments & Fault Diag. (Practice)	8 Hrs
		7.	1301/315	Carpentry & Joinery Craft Practice	9 Hrs
		8.	1304/315	Masonry Craft Practice	9 Hrs
		9.	1305/315	Plumbing Craft Practice	9 Hrs
		10.	1308/315	Land Surveying Craft Practice	6 Hrs
		11.	1309/315	Road Construction Craft Practice	9 Hrs
		12.	1401/311	Garment Making Practical	7 Hrs
	LAST DAY OF PRACTICAL PAPERS TUESDAY 19 TH JULY 2016	13.	1402/314	Food & Beverage Production Practical	6 Hrs
		14.	1402/315	Food & Beverage Service Practical	3 Hrs
		15.	1403/315	Food Processing & Preservation Practical	6 Hrs
		16.	1404/315	Trade Practice	6 Hrs
		17.	1406/311	Housekeeping Practical	4 Hrs
		18.	1406/312	Laundry Practical	4 Hrs
		19.	1409/315	Fisheries Technology Trade Practice	6 Hrs
		20.	1507/114 1907/104	Bread and Confectionery Making I Practice	6 Hrs
		21.	1507/213 1907/204	Bread and Confectionery Making II Practice	6 Hrs
		22.	1503/206	Trade Practice II	6 Hrs
		23.	1503/106	Trade Practice I Automotive	6 Hrs
		24.	1501/206	Mechanical Engineering Trade Practice	25 Hrs
		25.	1504/106	Trade Practice I	12 Hrs
		26.	1505/106	Trade Practice I	12 Hrs
		27.	1504/206	Trade Practice II	12 Hrs
		28.	1505/206	Trade Practice II	12 Hrs

	DATE		CODE	PAPER NUMBER AND NAME	TIME
		29.	1508/106	Trade practice I	25 Hrs
		30.	1521/104 1522/104 1601/106 1602/106	Trade Practice I	9 Hrs
		31.	1704/106	Building Construction Practice	15Hrs
		32.	1704/205	Building Construction Practice	18Hrs
		33.	1802/104 1819/104	Food and Beverage Production Practical	6 Hrs
		34.	1801/105	Fabric Colouration Practical	4 Hrs
		35.	1801/203	Garment Making Practical (For Women)	7 Hrs
		36.	1801/204	Garment Making Practical (For Men)	7 hrs
		37.	1801/205	Batik and Embroidery Practical	4 hrs
		38.	1819/106	Food & Beverage Service Practical	6 hrs
		39.	1819/203	Housekeeping Practical	6 Hrs
		40.	1819/204	Laundry Practical	6 Hrs
		41.	2406/101	House Keeping Management Practice	8 hrs
		42.	2406/201	Laundry and Dry Cleaning Practice	9 hrs
		43.	2819/203	Accommodation Operations Management Practice I (Laundry)	6 Hrs
		44.	2819/302	Accommodation Operations Management Practice II (House Keeping)	6 Hrs
		45.	2802/205 2819/205	Food and Beverage Production Management Practice	7 Hrs
		46.	2802/305 2819/305	Food and Beverage Service and Sales Management Practice	7 Hrs
		47.	2803/105	Clothing Construction I Practical	6 Hrs
		48.	2803/205	Clothing Construction II Practical	6 hrs
		49.	2803/305	Clothing Construction III Practical	6 Hrs
		50.	2920/105	Baking I Practice (Bread)	6 hrs
		51.	2920/106	Baking I Practice (Confectionery)	6 hrs
		52.	2920/204	Baking II Practice (Bread)	6 Hrs
		53.	2920/305	Baking III Practice (Bread)	12hrs
		54.	2920/306	Baking III Practice (Confectionery)	12hrs
		55.	2920/205	Baking II Practice (Confectionery)	6 Hrs
		56.	1521/206 1601/206	Trade Practice II	8 Hrs
		57.	1522/206 1602/206	Telecommunications Systems & Fault Diagnosis Practical	12 Hrs
		58.	1802/204	Food and Beverage Service and Sales Practical	6 Hrs
		59.	2802/105 2819/105/1	Food and Beverage Production Practical	6 hrs
		60.	2802/106 2819/105/2	Food and Beverage Service Practical	6 hrs
		61.	2819/106	Accommodation operations Practice	6 Hrs
		62.	0504/105	Trade Practice I	6 Hrs
		63.	0504/204	Trade Practice II	6 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
2.3	WEDNESDAY 20TH JULY 2016 DAY 1 1ST MORNING SESSION 8.00 A.M.	1.	1102/311 1103/311 1105/311 1106/311	Mathematics & Engineering Science	3 Hrs
		2.	1202/311	Mathematics	3 Hrs
		3.	1204/311	Mathematics	3 Hrs
		4.	1301/311 1304/311 1305/311 1309/311	Mathematics	3 Hrs
		5.	1308/311	Mathematics	3 Hrs
		6.	2901/201	Applied Mathematics	3 Hrs
		7.	2901/301	Financial Accounting	3 Hrs
		8.	2209/101	Introduction to Computers & Principles of Operating Systems	3 Hrs
		9.	2209/201	Systems Analysis & Design	3 Hrs
		10.	2209/301	Quantitative methods	3 Hrs
		11.	2428/101	Social Work Theory, Practice & Comm. Dev.	3 Hrs
		12.	2428/201	Resource Mobilization Fund Raising & Project Management	3 Hrs
		13.	2428/301	Social Psychology & Human Development	3 Hrs
		14.	2802/201	Hospitality Accounting and Law	3 Hrs
		15.	2803/201	Industrial Organization Management I & Quality Control I	3 hrs
		16.	2803/301	Industrial Organization Management II & Quality Control II	3 hrs
		17.	2802/301 2920/301	Human Relations	3 Hrs
		18.	2920/201	Accounting and Legal Aspects	3 Hrs
		19.	2521/203 2601/202 2602/202 2603/202	Digital and Analogue Electronics	3 Hrs
		20.	2501/301 2503/301	Computer Aided Drawing	3 Hrs
		21.	2525/204 2921/204	Farm Management and Research Methodology	3 Hrs
		22.	2525/304 2921/304	Sustainable Agriculture	3 Hrs
2.4	DAY 1 2ND MORNING SESSION 11.30 A.M.	23.	1402/311	Food & Beverage Production Theory	3 Hrs
		24.	1403/311	Food Engineering	3 Hrs
		25.	1404/311	Principles of Leather Manufacture	3 Hrs
		26.	1405/311	Crop Production	3 Hrs
		27.	1408/311	Laboratory Practice	3 Hrs
		28.	1409/311	Fishing Technology	3 Hrs
		29.	1410/201	Social Development Theory Methods, Policy & Admin.	3 Hrs
		30.	1411/311	Introduction to Printing Technology	3 Hrs
		31.	1412/311	Immunology & Medical Microbiology	3 Hrs
		32.	1819/201	Housekeeping and Front Office Theory	3 Hrs
		33.	2406/102	House Keeping Management Theory	3 hrs
		34.	2406/202	Laundry and Dry Cleaning Theory	3 Hrs
		35.	2406/301	Front Office Theory	3 Hrs
		36.	2425/101	Principles of Crop Prod. & Soil Science	3 Hrs
		37.	2425/201	Crop Production II, Soil Fertility & Plant Nutrition	3 Hrs
		38.	2425/301	Crop Production III	3 Hrs
		39.	2426/101 2427/101A	Nutrition, community Health and Diet Therapy I Practice	3 Hrs
		40.	2426/201 2427/201A	Nutrition & Diet Therapy II Practice	3 Hrs
		41.	2426/301 2427/301	Diet Therapy III Theory & Practice	3 Hrs
		42.	3402/201	Trends and Issues in Education & Training	3 Hrs
		43.	3402/101	Principles and Techniques of Educational Management	3 Hrs
		44.	0504/101	Entrepreneurship & Communication Technology	3 Hrs

2.2	DATE	CODE	PAPER NAME	TIME
		45. 1501/101 1503/101 1508/101 1601/101 1602/101 1704/101	Information Communication Technology and Entrepreneurship Education	3 Hrs
		46. 1501/201 1503/201 1521/201 1522/201 1601/201 1602/201 1704/201	Communication Skills	3 Hrs
		47. 1504/101	Entrepreneurship & Communication Technology	3 Hrs
		48. 1505/101	Entrepreneurship & Communication Technology	3 Hrs
		49. 1504/201	Ship Construction and Stability	3 Hrs
		50. 1505/201	Marine Engineering & Management	3 Hrs
		51. 1507/213 1801/201 1802/201 1901/201 1907/201	Communications Skills	3 Hrs
		52. 1521/101 1522/101	ICT, Technical Drawing and Entrepreneurship	3 Hrs
		53. 1507/113 1801/101 1802/101 1819/101 1901/101 1907/101	ICT, Mathematics and Entrepreneurship	3 Hrs
		54. 2802/101 2803/101 2819/101 2830/101 2901/101 2910/101 2920/101 2525/101 2528/101 2902-09/101 2921/101 2922/101	ICT, Communication Skills and Entrepreneurship	3 Hrs
		55. 2501/101 2502/101 2503/101 2508/101 2509/101 2601/101 2602/101 2603/101 2705/101 2707/101 2709/101 2710/101	ICT, Communication Skills and Entrepreneurship Education	3 Hrs
		56. 2504/101	Entrepreneurship & Communication Technology	3 Hrs
		57. 2506/101 2507/101	Entrepreneurship & Communication Technology	3 Hrs
		58. 2505/101	Entrepreneurship & Communication Skills	3 Hrs
		59. 2504/202	Ship Construction & Cargo Work II	3 hrs
		60. 2504/302	Ship Stability & Handling	3 Hrs
		61. 2505/201	Ship Construction & Naval Architecture II	3 Hrs
		62. 2506/201	Aircraft Propeller Systems	3 Hrs
		63. 2507/201	Aircraft Instruments and Measurement Systems	3 Hrs
		64. 2505/301	Marine organization & Management	3 Hrs
		65. 2521/101	ICT, Life skills, Entrepreneurship and Communication Skills	3 Hrs
		66. 2428/304	Transformation & Social Marketing	3 Hrs
		67. 2705/204 2707/204	Measurement of Building & Civil Engineering Works, Estimating and Costing I	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		68.	2709/204 2710/204	Measurements of Building Works, Estimating & Costing I and Construction management	3 hrs
		69.	2705/304 2707/304 2709/304 2710/304	Construction Management II, Estimating and Costing II	3 hrs
		70.	2902-09/201	Theories of Counseling II and Personal Development II	3 hrs
		71.	2905/301	Theories, Process and Practice	3 Hrs
		72.	2528/201 2922/201	Earth Science & EIS	3 Hrs
2.5	THURSDAY 21ST JULY 2016 DAY 2 1ST MORNING SESSION 8.00 A.M.	73.	1202/312	Electrical Principles	3 Hrs
		74.	1204/314	Electrical Engineering Principles	3 Hrs
		75.	1102/312 1103/312 1105/312 1106/312	Technical Drawing	3 Hrs
		76.	1301/312 1304/312 1305/312	Technical Drawing	3 Hrs
		77.	1308/312	Survey Drawing	3 Hrs
		78.	1309/312	Soil Mechanics & Engineering Materials	3 Hrs
		79.	1401/312	Pattern Drafting & Grading (Practical)	4 Hrs
		80.	1801/202	Garment Cutting and Making Theory, Pattern Drafting II	4 Hrs
		81.	1402/312	Food & Beverage Control Theory	3 Hrs
		82.	1501/104 1508/104	Technical Drawing I	3 Hrs
		83.	1503/104	Technical Drawing I	3 Hrs
		84.	1501/204 1503/204 1508/204	Technical Drawing II	3Hrs
		85.	1521/204 1601/204	Micro-Electronics, Electrical Principles II, Electrical Maintenance And Fault Diagnosis	3Hrs
		86.	1522/204 1602/204	Microelectronics, Electrical Principles II, Instruments and Electronics Fault Diagnosis	3 Hrs
		87.	1507/212 1907/202	Baking Control	3 Hrs
		88.	1601/104 1602/104	Technical Drawing I	3 Hrs
		89.	1704/102	Mathematics I & Physical Science	3 Hrs
		90.	1704/202	Mathematics II	3 Hrs
		91.	2209/102	Computer Application	3 Hrs
		92.	2209/202	Programming I	3 Hrs
		93.	2209/302	Data Communication	3 Hrs
		94.	2425/102	Principles of Animal Production I	3 Hrs
		95.	2425/202	Animal Production II	3 Hrs
		96.	2425/302	Animal Production III	3 Hrs
		97.	2426/102 2427/101B	Nutrition, Com. Health & Diet Therapy I Theory	3 Hrs
		98.	2426/202 2427/201B	Nutrition & Diet Therapy II Theory	3 Hrs
		99.	2426/302 2427/302	Food Science & Technology	3 Hrs
		100.	2521/205 2601/205	Electrical Power Generation Transmission And Protection	3 Hrs
		101.	2602/205	Telecommunication Principles and Industrial Measurements	3 Hrs
		102.	2603/205	Instrumentation Systems and Industrial Measurements	3 Hrs
		103.	2802/202	Nutrition Diet Therapy and Home Nursing	3 Hrs
		104.	2803/202	Textile Science II and Clothing Construction II Theory	3 hrs
		105.	2803/302	Clothing Construction III Theory	3 hrs
		106.	2802/302 2920/302	Sales and Marketing	3 Hrs
		107.	2803/102	Textile Science and Clothing Construction I Theory	3 Hrs
		108.	2902-09/102	Introduction to Psychology and Lifespan Development	3 Hrs
		109.	2902-09/202	Group Counselling	3 Hrs
		110.	2905/302	Contextual and Psychosocial Issues	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		111.	2901/202	Research Methods	3 Hrs
		112.	2901/302	Project Management	3 Hrs
		113.	2920/202	Baking Control II and Baking Material Science	3 Hrs
		114.	2528/102 2922/102	Environmental Chemistry & Applied Science	3 hrs
		115.	2819/202	Diet Therapy, Hospitality Accounting & Control II Theory	3 Hrs
2.6	DAY 2	116.	1403/312	Food Microbiology & Food Chemistry	3 Hrs
	2ND MORNING SESSION	117.	1404/312	Leather Production	3 Hrs
	11.30 A.M.	118.	1405/312	Animal Production	3 Hrs
		119.	1408/312	Physics Techniques	3 Hrs
		120.	1409/312	Fish Handling, Processing & Preservation	3 Hrs
		121.	1410/202	Law, History & Government	3 Hrs
		122.	1411/312	Printing Science	3 Hrs
		123.	1412/312	Haematology & ImmunoHaematology	3 Hrs
		124.	0504/102	Technical Drawing & Engineering Science I	3 Hrs
		125.	0504/202	Technical Drawing & Engineering Science II	3 Hrs
		126.	1504/102	Seamanship I	3 Hrs
		127.	1504/202	Seamanship and Management	3 Hrs
		128.	1505/102	Ship Construction & Naval Architecture I	3 Hrs
		129.	1505/202	Ship Construction & Naval Architecture II	3 Hrs
		130.	1801/102	Art, Fashion design and Sketching, Pattern Drafting I	4 Hrs
		131.	1507/112 1802/102 1819/102 1907/102	Food Science and Nutrition Theory	3 Hrs
		132.	1802/202	Food and Beverage Control and Catering Premises & Equip	3 Hrs
		133.	1901/102	Earth & Physical sciences	3 Hrs
		134.	1901/202	Exploration Geophysics & Seismic Techniques	3 Hrs
		135.	2802/102	Catering Premises and Mathematics	3 Hrs
		136.	2819/102	Food & Beverage Production, Nutrition & Mathematics	3 hrs
		137.	2406/302	Communication Skills	3 Hrs
			2920/102	Food Science and Nutrition	3 hrs
		138.	2428/102	Development Economics & Entrepreneurship Education	3 Hrs
		139.	2428/202	Resource Management HIV/AIDS	3 Hrs
		140.	2428/302	Counselling, Psychology, Social Rehab. & Reintegration	3 Hrs
		141.	2428/305	Community Concerns & Development Methodologies	3 Hrs
		142.	2830/102	Mathematics I, Physics and Technical Drawing	3 hrs
		143.	2830/202	Mathematics II	3 Hrs
		144.	3402/202	Entrepreneurship Education & Project Management	3 Hrs
		145.	3402/102	Management of Human Resources & Guidance & Counselling Services	3 Hrs
		146.	1521/102 1522/102	Mathematics and Trade Science I	3 Hrs
		147.	2501/102 2502/102 2508/102 2509/102	Mechanical Science & Electrical Principles	3 Hrs
		148.	2503/102	Applied Science & Electrical Principles	3 Hrs
		149.	2501/202 2502/202 2503/202 2509/202	Mechanics of Machines and Strength of Materials	3 Hrs
		150.	2501/304 2503/304	Thermodynamics and Fluid Mechanics	3 Hrs
		151.	2504/102	Marine Engineering & Construction Theory	3 Hrs
		152.	2505/102	Marine Electrical & Electronics Technology	3 Hrs
		153.	2506/102 2507/102	Aircraft Electrical Technology	3 Hrs
		154.	2504/201	Chart Work Practices	3 hrs
		155.	2504/301	Marine Law & Management	3 Hrs
		156.	2505/202	Maritime Electronics Technology	3 Hrs
		157.	2506/202 2507/202	Electronics and Control Systems	3 Hrs
		158.	2505/302	Electrical, Instrumentation & Control Technology	3 Hrs
		159.	2521/103	Engineering Science and Drawing	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		160.	2525/102 2910/102 2921/102	Applied Science I	3 Hrs
		161.	2525/201 2921/201	Applied Science II	3 Hrs
		162.	2525/302 2921/302	Agro Processing and Value addition	3 Hrs
		163.	2528/202 2922/202	Environmental Pollution Control, Health & Safety	3 Hrs
		164.	2601/102 2602/102 2603/102	Physical, Mechanical Science & Electrical Principles	3 Hrs
		165.	2521/302 2601/302 2602/302 2603/302	Micro Controllers and Micro Processor Systems	3 Hrs
		166.	2705/103 2707/103 2709/103 2710/103	Structures I and Construction Materials	3 Hrs
		167.	2705/202 2707/202 2709/202 2710/202	Structures II Geotechnology II and Concrete Technology II	3 Hrs
		168.	2705/302 2709/302 2710/302	Structures III	3 hrs
		169.	2707/302	Structures III	3 hrs
		170.			
		171.	2901/102	Applied Mathematics and Economics	3 Hrs
2.7	FRIDAY 22ND JULY 2016 DAY 3 1ST MORNING SESSION 8.00 A.M.	172.	1102/313 1103/313 1105/313 1106/313	Workshop Organization & Management	3 Hrs
		173.	1202/313	Installation Technology	3 Hrs
		174.	1204/315	Electronic Technology	3 Hrs
		175.	1301/313 1304/313 1305/313	Site & Workshop Management	3 Hrs
		176.	1308/313	Work Planning & Management	3 Hrs
		177.	1309/313	Site Management	3 Hrs
		178.	1501/202 1503/202 1508/202	Workshop Organization & Management	3 Hrs
		179.	1521/103 1522/103	Electrical and Electronics Technology	3 Hrs
		180.	1521/202 1522/202 1601/202 1602/202	workshop Organization and Management	3 Hrs
		181.	1704/103	Building Construction I & Drawing	3 Hrs
		182.	1704/203	Building Construction II & CAD	3 Hrs
		183.	1801/103	Workshop Organization and General Information	3 Hrs
		184.	1802/103	Food and Beverage Production Theory	3 Hrs
		185.	1802/203	Food and Beverage Service and Sales Theory	3 Hrs
		186.	2425/103	Agricultural Economics & Extension	3 hrs
		187.	2425/203	Agricultural Economics, Extension & Home Economics	3 Hrs
		188.	2425/303	Farm Business Management & Extension	3 Hrs
		189.	2426/103A 2427/102	Legal Aspects of Dietetics & Communication Skills	3 Hrs
		190.	2426/203A	Human Psychology & Computer Applications	3 Hrs
		191.	2426/303 2427/303	Principles of Accounts & Practice of Management	3 Hrs
		192.	2428/103	Community based Organization, Capacity Building & Empowerment	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME		
2.2	DAY 3 2ND MORNING SESSION 11.30 A.M.	193.	2501/201 2502/201 2503/201 2509/201	Industrial Organization & Management	3 Hrs		
		194.	2506/207	Theory of Flight	3 Hrs		
		195.	2507/207	Electric Circuit Analysis	3 Hrs		
		196.	2521/301 2601/301 2602/301 2603/301	Industrial management and Engineering Contracts	3 Hrs		
		197.	2802/103	Food and Beverage Production Theory	3 hrs		
		198.	2802/203	Food and Beverage Control	3 Hrs		
		199.	2803/103	Art, Fashion Design & Sketching & Cutting Technology I	3 Hrs		
		200.	2803/203	Fashion Design & Sketching II and Cutting Technology II Theory	3 Hrs		
		201.	2803/303	Fashion Marketing	3 hrs		
		202.	2819/103	Food & Beverage Service and Control Theory	3 hrs		
		203.	2819/204	Food & Beverage Production Management Theory	3 hrs		
		204.	2802/304 2819/304	Food and Beverage Service and Management Theory	3 Hrs		
		205.	1507/111 1907/103	Bread & Confectionary Making I Theory	3 Hrs		
		206.	1507/211 1907/203	Bread & Confectionary Making II Theory	3 Hrs		
		207.	2830/103	Introduction To Textile Technology, Spinning Preparation and Quality Control	3 hrs		
		208.	2920/103	Baking Control I and Mathematics	3 hrs		
		209.	2920/203	Baking II Theory (Bread and Confectionery)	3 Hrs		
		210.	2920/304	Baking III Theory (Bread and Confectionery)	3 hrs		
		211.	2902-09/103	Theories of Counselling I and Counselling skills	3 Hrs		
		212.	2902-09/203	Contextual and Multicultural Issues in Counselling and Research Methods	3 Hrs		
		213.	2905/303	Personal Development and Professional issues	3 Hrs		
		214.	2901/203	Rocks, Fluids & Reservoir Geophysics	3 Hrs		
		215.	2901/303	Petroleum Exploration & Drilling	3 Hrs		
		216.	2528/103 2922/103	Environmental Biology	3 hrs		
		217.	2528/203 2922/203	Environmental Microbiology	3 Hrs		
		218.	2910/103	Crop Enterprise Management I and Foundations of Sustainable Agriculture	3 hrs		
		219.	3402/203	Research in Education & Training	3 Hrs		
		2.9	MONDAY 25TH JULY 2016 DAY 4 1ST MORNING SESSION 8.00 A.M.		1401/313	Garment Designing, Cutting & Making Theory	3 Hrs
				220.	1402/313	Food & Beverage Service Theory	3 Hrs
221.	1403/313			Food Processing & Preservation I	3 Hrs		
222.	1404/313			Leather Goods Production	3 Hrs		
223.	1405/313			Agricultural Economics & Farm Management	3 Hrs		
224.	1406/313			Housekeeping & Maintenance Theory	3 Hrs		
225.	1408/313			Chemistry Techniques	3 Hrs		
226.	1409/313			Food Chemistry, Microbiology & Engineering	3 Hrs		
227.	1410/203			Project Dev., Management, Econ. & Admin.	3 Hrs		
228.	1411/313			Surface Preparations	3 Hrs		
229.	1412/313			Parasitology & Histology	3 Hrs		
230.	1501/103 1502/103 1508/103			Mathematics I	3 Hrs		
231.	1503/103			Mathematics I	3 Hrs		
232.	1504/103 1505/103			Mathematics & Applied Science I	3 Hrs		
233.	1501/203 1508/203			Mathematics II and Mechanical Science II	3 Hrs		
234.	1503/203			Mathematics II	3Hrs		
235.	1504/203 1505/203			Mathematics & Applied Science II	3 Hrs		
236.	1601/103 1602/103	Mathematics I	3 Hrs				

2.2	DATE		CODE	PAPER NAME	TIME
		237.	1521/203 1522/203 1601/203 1602/203	Mathematics	3 Hrs
		238.	0504/103	Seamanship & Environment Protection	3 Hrs
		239.	0504/203	Seamanship & Cargo II	3 Hrs
		240.	1819/202	Laundry Catering and Accommodation Premises Theory	3 Hrs
		241.	1819/103	Food & Beverage Production and Control Theory	3 Hrs
		242.	1901/103	Environment, Health, Safety and Legal & Policy Framework in Petroleum Exploitation	3 Hrs
		243.	1901/203	Petroleum Geology & The Fundamentals of Petroleum Exploration & Production	3 Hrs
		244.	2428/203	Advocacy, Lobbying & Legal Aspects in Social Development	3 Hrs
		245.	2428/303	Social Policy Administration & Disaster Management	3 Hrs
		246.	2428/306	Gender Development & Community Leadership	3 Hrs
2.10	DAY 4 2ND MORNING SESSION 11.30 A.M.	247.	2501/103 2502/103 2508/103 2509/103	Engineering Mathematics I	3 Hrs
		248.	2503/103	Engineering Mathematics I	3 Hrs
		249.	2501/203 2502/203 2503/203 2509/203	Engineering Mathematics II	3 Hrs
		250.	2504/103 2505/103	Mathematics & Applied Science I	3 Hrs
		251.	2506/103 2507/103	Engineering Mathematics I & Engineering Science I	3 Hrs
		252.	2504/203 2505/203	Mathematics II	3 Hrs
		253.	2506/203 2507/203	Engineering Mathematics II	3 Hrs
		254.	2504/303	Ship Power Plant	3 Hrs
		255.	2505/303	Engineering Mathematics II	3 Hrs
		256.	2501/303 2503/303	Engineering Mathematics III	3 Hrs
		257.	2521/201 2601/203 2602/203 2603/203	Engineering Mathematics	3 Hrs
		258.	2521/102 2601/103 2602/103 2603/103	Mathematics	3 Hrs
		259.	2705/102 2707/102 2709/102 2710/102	Mathematics I and Physical Science	3 Hrs
		260.	2705/203	Construction Mgt I W/shop Technology II	3 Hrs
		261.	2707/203	Construction Mgt I, Workshop Technology II & Water Supply	3 Hrs
		262.	2709/203 2710/203	Building Construction II, Workshop Technology II	3 hrs
		263.	2705/303 2709/303 2710/303	Building Construction and Drawing III and Services	3 hrs
		264.	2707/303	Building Constriction III and Transportation Engineering II	3 hrs
		265.	2521/303 2601/303 2602/303 2603/303	Engineering Mathematics III	3 Hrs
		266.	2802/303 2819/303 2920/303	Principles and Practice of Management	3 Hrs
		267.	2525/103 2921/103	Crop Enterprise Management I	3 Hrs
		268.	2525/202 2921/202	Crop Enterprise Management II	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		269.	2525/305 2921/305	Natural Resource Management	3 Hrs
		270.	2901/103	Engineering Drawing, Workshop Technology, Environmental Health and Safety Management	3 Hrs
		271.	3402/103	Financial Management of Educational Inst.	3 Hrs
2.11	TUESDAY 26th JULY 2016 DAY 5 1ST MORNING SESSION 8.00 A.M.	272.	1102/314	Mechanical Engineering Trade Theory	3 Hrs
		273.	1103/314	Motor Vehicle Trade Theory	3 Hrs
		274.	1105/314	Agricultural Engineering Trade Theory	3 Hrs
		275.	1106/314	Fabrication and Welding Trade Theory	3 Hrs
		276.	1301/314	Carpentry and Joinery Craft Theory	3 Hrs
		277.	1304/314	Masonry Craft Theory	3 Hrs
		278.	1305/314	Plumbing Craft Theory	3 Hrs
		279.	1308/314	Land Surveying Theory	3 Hrs
		280.	1309/314	Road Construction Tech. & Drawing	3 Hrs
		281.	1501/105	Fabrication Technology, Materials and metallurgy I	3 Hrs
		282.	1503/105	Vehicle Technology, Bodywork & Workshop Technology	3 Hrs
		283.	1501/205	Production Processes Technology	3 Hrs
		284.	1508/105	Fabrication and Welding Technology, Materials & Metallurgy I	3 Hrs
		285.	2501/305	Production Line Processes and Foundry Technology	3 Hrs
		286.	2503/305	Auto Electrics and Electronics	3 Hrs
		287.	1521/205 1601/205	Electrical Installation II, Estimating, Tendering, Industrial Machines and Controls	3 Hrs
		288.	1522/205 1602/205	Telecommunications Systems	3 Hrs
		289.	1601/105 1602/105	Electrical and Solar Installation Technology	3 Hrs
		290.	1704/104	Carpentry & Construction Materials I	3 Hrs
		291.	1704/204	Building Services, Joinery & Construction Materials II	3 Hrs
		292.	1901/105	Engineering Drawing	3 Hrs
		293.	2501/104 2508/104	Engineering Drawing	3 Hrs
		294.	2502/104 2503/104 2509/104	Engineering Drawing I	3 Hrs
		295.	2501/204	Engineering Drawing and Design	3 Hrs
		296.	2502/204	Plant Engineering Drawing	3 Hrs
		297.	2503/204 2509/204	Engineering Drawing and Design	3 Hrs
		298.	2601/104 2602/104 2603/104	Engineering Drawing I, Materials and W/shop Technology	3 Hrs
		299.	2521/204 2601/204 2602/204 2603/204	Engineering Drawing and Circuit Analysis	3 Hrs
		300.	2521/305 2601/305	Electrical Power Systems and Electro Magnetic Field Theory	3 Hrs
		301.	2602/304	Electromagnetic Field Theory & Communication Systems	3 hrs
302.	2603/304	Electromagnetic Field Theory & Networking	3 hrs		
303.	2521/104	Electrical Science and Principles	3 Hrs		
2.12	DAY 5 2ND MORNING SESSION 11.30 A.M.	304.	2525/104 2921/104	Livestock Enterprise Management I	3 Hrs
		305.	2525/203 2921/203	Livestock Enterprise Management II	3 Hrs
		306.	2525/301 2921/301	Livestock Enterprise Management III	3 Hrs
		307.	2910/104	Livestock Enterprise Management I	3 hrs
		308.	2802/104	Food and Beverage Service Theory	3 hrs
		309.	2802/204	Food Production Management Theory	3 Hrs
		310.	2803/104	Pattern Construction I Practical	4 Hrs
		311.	2803/204	Pattern Construction II and Grading techniques I Practical	3 Hrs
		312.	2803/304	Pattern Construction III and Grading techniques II Practical	4 hrs
		313.	2819/104	Accommodation Operations Theory	3 hrs
		314.	2819/201	Accommodation Operations Management I & Law Theory	3 Hrs
		315.	2819/301	Accommodation Operations Management II Theory	3 Hrs
		316.	2830/104	Spinning Processes and Machinery	3 hrs

2.2	DATE		CODE	PAPER NAME	TIME
		317.	2920/104	Baking I Theory	3 Hrs
		318.	2406/103	Principles and Practice of Management	3 hrs
		319.	2406/203	Applied Science	3 hrs
		320.	2406/303	Principles of Accounts	3 Hrs
		321.	2902-09/104	Contextual, Ethical and Legal Issues in Counselling	3 Hrs
		322.	2902-09/204	Abnormal Behaviour and Psychological Testing	3 Hrs
		323.	2905/304	HIV Management	3 Hrs
		324.	2901/204	Petroleum Geochemistry	3 Hrs
		325.	2901/304	Geographic Information Science (GIS)	3 Hrs
		326.	2901/105	Petroleum Geology and Exploration Techniques	3 Hrs
		327.	2506/107 2507/107	Aircraft Piston Engines	3 Hrs
2.13	WEDNESDAY 27th JULY 2016 DAY 6 1ST MORNING SESSION 8.00 A.M	328.	1401/314	Material Science	3 Hrs
		329.	1801/104	Textile Material Knowledge and Fabric Coloration Theory	3 Hrs
		330.	1403/314	Food Processing and Preservation II	3 Hrs
		331.	1404/314	Footwear Goods Production	3 Hrs
		332.	1405/314	Agricultural Extension Education & Home Economics	3 Hrs
		333.	1406/314	Laundry Theory	3 Hrs
		334.	1408/314	Biology Techniques	3 Hrs
		335.	1409/314	Fisheries Management, Marketing & Utilization	3 Hrs
		336.	1410/204	Human Growth, Development & Community Health	3 Hrs
		337.	1411/314	Press Operations & Maintenance	3 Hrs
		338.	1412/314	Clinical Chemistry	3 Hrs
		339.	1504/104	Cargo Work	3 Hrs
		340.	1505/104	Technical Drawing & Workshop Technology	3 Hrs
		341.	0504/104	Marine Engineering I	3 Hrs
		342.	0504/201	Marine Engineering II	3 Hrs
		343.	1505/204	Workshop Technology	3 Hrs
		344.	1901/204	Workshop Technology & Practice	3 Hrs
		345.	2001/101	Radio Servicing Theory	3 Hrs
		346.	2209/203	Programming II	3 Hrs
		347.	2426/103B 2427/103	Applied Sciences	3 Hrs
		348.	2426/203B 2427/204	Applied Sciences	3 Hrs
		349.	2428/104	Communication skills & Information Technology	3 Hrs
		350.	2428/204	Statistics	3 Hrs
2.14	DAY 6 2ND MORNING SESSION 11.30 A.M	351.	2502/105	Plant Maintenance	3 Hrs
		352.	2503/105	Vehicle Technology	3 Hrs
		353.	2509/105	Engine and Construction Plant I Technology I	3 Hrs
		354.	1504/204	Navigation	3 Hrs
		355.	2504/104	Navigation I	3 Hrs
		356.	2505/104	Technical Drawing & Workshop Technology	3 Hrs
		357.	2506/104 2507/104	Engineering Drawing	3 Hrs
		358.	2504/204	Navigation II	3 hrs
		359.	2504/304	Navigation III	3 Hrs
		360.	2505/204	Engineering Drawing & Design	3 Hrs
		361.	2506/204 2507/204	Airfield Safety Procedures II and Research Methods	3 Hrs
		362.	2505/304	Motor & Steam Engineering Knowledge	3 Hrs
		363.	2501/105	Structural Fabrication Technology, Materials & Metallurgy I	3 Hrs
		364.	2508/105	Fabrication and Welding Technology, Materials & Metallurgy I	3 Hrs
		365.	2501/205	Structural Fabrication Tech, Materials and Metallurgy II	3 Hrs
		366.	2502/206	Building Services, Machine Installations, Refrigeration, Air conditioning and Ventilation	3 Hrs
		367.	2503/205	Engine Technology and Vehicle Bodywork	3 Hrs
		368.	2509/205	Vehicle and Construction Plant Technology II	3 Hrs
		369.	2601/105 2602/105 2603/105	Electrical and Solar Installation Technology	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		370.	2521/304 2601/304	Power Electronics, Machines and Utilization	3 Hrs
		371.	2602/305	Data Communication & Networking	3 hrs
		372.	2603/305	Industrial Measurements II & Industrial Electronics	3 hrs
		373.	2705/105 2707/105 2709/105	Building construction I, Technical Drawing and Construction Plant	3 Hrs
		374.	2710/105	Building Construction I and Construction Plant	3 Hrs
		375.	2705/205	Building Construction II and Drawing II	3 Hrs
		376.	2707/205	Building Construction II, Civil Engineering Construction II & Transportation Engineering I	3 Hrs
		377.	2709/205	Architectural Landscaping, Graphic design I and Architectural Technology	4hrs
		378.	2710/205	History of Architecture	3 hrs
		379.	2710/305	Environmental Planning and Management	3 Hrs
		380.	3402/204	Education Policy, Planning & Curriculum Management	3 Hrs
		381.	3402/104	Communication, Marketing and Public Relations	3 Hrs
2.15	THURSDAY 28th JULY 2016 DAY 7 1ST MORNING SESSION 8.00 A.M	382.	1202/315	Electrical Maintenance & Fault Diagnosis	3 Hrs
		383.	1204/312	Electronic Instruments & Fault Diagnosis (Theory)	3 Hrs
		384.	1401/315	Production Techniques	3 Hrs
		385.	1405/315	Agricultural Engineering (Theory)	3 Hrs
		386.	1406/315	Front Office Operations Theory	3 Hrs
		387.	1408/315	Science Laboratory Practice (Practical)	4 Hrs
		388.	1410/205	Sociology, Research Methods & Comm. Skill	3 Hrs
		389.	1501/102 1508/102	Mechanical Science I & Electrical Principles	3 Hrs
		390.	1503/102	Applied Science & Electrical Principles	3 Hrs
		391.	1503/205	Auto electrics & Engine Technology	3 Hrs
		392.	1504/105	Marine Engineering & Environment Protection	3 Hrs
		393.	1505/105	Marine Engineering & Environment Protection	3 Hrs
		394.	1601/102 1602/102	Applied Science, Electrical Principles & Electronics	3 Hrs
		395.	1704/105	Site Management & Construction Plant	3 Hrs
		396.	1901/104	Geodynamics, Stratigraphy and Sedimentology	3 Hrs
		397.	2504/105	General Ship Knowledge	3 Hrs
		398.	2505/105	Ship Construction & Naval Architecture	3 Hrs
		399.	2506/105 2507/105	Workshop Technology And Life Skills	3 Hrs
		400.	2504/205	Maritime Conventions	3 Hrs
		401.	2505/205	Marine Mechanical Technology I	3 Hrs
		402.	2506/205	Aircraft Mechanical Technology I	3 Hrs
		403.	2507/205	Measurement Technology	3 Hrs
2.16	DAY 7 2ND MORNING SESSION 11.30 A.M.	404.	1819/105	Food & Beverage Service Theory	3 Hrs
		405.	2521/202	Industrial Control Systems	3 Hrs
		406.	2502/205	Plant Electrical and Instrumentation	3 Hrs
		407.	2501/302 2503/302	Control systems and Instrumentation	3 Hrs
		408.	1412/315	Medical Laboratory Technology Practice	4 Hrs
		409.	2601/201 2602/201 2603/201	Control Systems and Programmable Logic Controllers	3 Hrs
		410.	2705/104 2707/104 2709/104 2710/104	Surveying I and Workshop Tech. (Mechanical)	3 hrs
		411.	2705/201 2707/201 2709/201 2710/201	Mathematics II and Surveying II	3 Hrs
		412.	2705/301 2707/301 2709/301 2710/301	Mathematics III and Surveying III	3 hrs
		413.	2902-09/105	Personal development I and Life skills	3 Hrs

2.2	DATE		CODE	PAPER NAME	TIME
		414.	2901/205	Earth science & Wave Theory	3 Hrs
		415.	2901/305	Remote Sensing	3 Hrs
		416.	2528/105 2922/105	Human Ecology and Economics	3 hrs
		417.	2528/205 2922/205	Environmental Resource Management and Economics	3 hrs
		418.	2001/102	Radio Servicing Practical	3 hrs
2.17	FRIDAY 29TH JULY 2016 DAY 8 1ST MORNING SESSION	419.	1410/206	Kiswahili	3 Hrs
		420.	2521/105 2601/106 2602/106 2603/106	Electrical Measurements & Analogue Electronics	3 Hrs
		421.	2505/106	Marine Engineering & Environment Protection	3 Hrs
		422.	2505/206	Maritime Law	3 Hrs
		423.	2506/206	Airframe Systems I	3 Hrs
		424.	2507/206	Communication and Telecommunication Systems	3 Hrs
		425.	2710/106	Architectural Communication and Technical Drawing	3 Hrs
		426.	2710/206	Architectural Design and Landscaping	4 hrs
		427.	1901/106	Economics	3 Hrs
		428.	2501/106	Tool Room Processes Technology I	3 Hrs
		429.	2502/106 2503/106 2509/106	Materials, Metallurgy & Workshop Technology	3 Hrs
		430.	2508/106	Metal Technology and Joining Processes I	3 Hrs
		431.	2501/206	Tool room Processes Technology II and metrology	3 Hrs
		432.	2506/106 2507/106	Airframe Structures and Airfield Safety	3 Hrs
		433.	2528/104 2922/104	Environmental Laboratory Practice	3 hrs
		434.	2528/204 2922/204	Environmental Analytical Techniques & Lab. Mgt.	3 Hrs
		435.	2901/104	Geodynamics, Sedimentology, Stratigraphy	3 Hrs
		436.	2209/103	Information Systems Management	3 Hrs
		437.	2425/104	Agricultural Engineering I	3 Hrs
		438.	2425/204	Agricultural Engineering II	3 Hrs
		439.	2425/304	Agricultural Engineering III & Environment. Management	3 Hrs
		440.	2426/104 2427/104	Food and Beverage Production & Service	3 Hrs
		441.	2525/105 2921/105	Agricultural Engineering I	3 Hrs
		442.	2525/205 2921/205	Agricultural Engineering II	3 Hrs
		443.	2525/303 2921/303	Agricultural Engineering III	3 Hrs
		444.	2910/105	Agricultural Engineering I	3 hrs
		445.	2505/305	Marine Mechanical Technology II	3 Hrs

3 INSTRUCTION TO SUPERVISORS, TEACHERS AND CANDIDATES

- 3.1 Supervisors are asked to take all necessary steps to ensure that the following instructions are brought to the notice of the Teachers and Candidates under examination.
- 3.2 Teachers are advised to ensure that their students are carefully drilled on how to carry out the instructions given below and are aware of the penalties for irregularities or misconduct. Candidates are required to follow these instructions carefully.

3.3 GENERAL INSTRUCTIONS TO CANDIDATES

- 3.3.1 Be at your seat in the Examination Room five minutes before the time fixed for the examination in the various papers. 1st Morning sessions will normally start at 8.00 a.m. and the 2nd morning sessions will start at 11.30 a.m.
- 3.3.2 A candidate who arrives late will be required to give a satisfactory reason to the supervisor. Except in exceptional circumstances, a paper will not be given to any candidate who is more than half an hour late. Absolute punctuality is essential for certain papers, e.g. Shorthand.
- 3.3.3 If an examination paper for which you are not entered is handed to you, or if the questions indicate that a map or other material should also have been given out, speak to the supervisor at once.
- 3.3.4 Attend carefully to any general directions that may be given at the head of a paper, e.g. directions limiting the number of questions that should be answered.
- 3.3.5 Write your name, your index number as well as the name of the paper on the first page of each answer book or sheet of each set of papers you use. Thereafter, your index number must be written in clear figures in the space provided on every sheet or page of answer book.
- 3.3.6 Write on both sides of the paper, but do not use the margins. Begin the answer to each separate part of a question on a fresh line.
- 3.3.7 Write the number of the question clearly in the left-hand margin at the beginning of each answer. Do not copy the question. Be careful to use the same system of numbering as appears in the question paper. Leave a blank line after the answer to each question.
- 3.3.8 Write your answers with black or blue ink. You may use a fountain pen or ball point pen. Pencils should only be used for diagrams. Remember that handwriting and spelling will be taken into account. Bring mathematical and drawing instruments for subjects for which they will be needed.
- 3.3.9 Read the questions carefully. Much time may be wasted in writing down information that is not asked for and no marks are given for it.
- 3.3.10 Do not write so much upon one or two questions as to leave yourself no time to answer others which you are able to answer.
- 3.3.11 As soon as notice is given to stop, ARRANGE YOUR ANSWER BOOK AND SHEETS IN THE CORRECT ORDER (this is normally the order in which you answered the questions). Make sure that they all have your index number written upon them. Fasten them together at the left-hand corner and hand them UNFOLDED to the supervisor.

3.3.12 Withdrawal from the examination should have been notified to the Council before any papers of the examination are taken.

3.4 CAUTION TO THE CANDIDATES

3.4.1 You are not allowed to leave the examination room before the end of the period allocated to the paper except by special permission of the supervisor. NO CANDIDATE SO PERMITTED TO LEAVE MAY TAKE A QUESTION PAPER OUT OF THE EXAMINATION ROOM.

3.4.2 Do not leave a sheet of paper you have written on or your answers in such a position that another candidate can read them. You should not give or obtain unfair assistance, or attempt to do so. Whether by copying or in any other way, and your work should not show proof of such unfair assistance. No communication whatsoever in whatever manner between candidates or with outsiders is allowed during examination.

3.4.3 You are not allowed to have in your possession or in your proximity while in the examination room, any book, notes, papers or any other materials whatsoever except the correct question paper and any materials expressly authorized by the Kenya National Examinations Council.

3.4.4 You may only use mathematical tables printed by the Kenya National Examinations Council, and these should not contain any additional notes except the printed information. If you are using a slide rulers as permitted by the Regulations it should not contain formulae or other data that may give you undue advantage over other candidates. If in doubt, check with the supervisor.

3.4.5 You must return immediately to the Supervisor any incorrect question paper given to you.

3.4.6 You must not take any used or unused writing paper out of the examination room. Any rough work must be done on the official answer paper and; if not to be submitted with the answers, must be left on the desks to be collected by the supervisor and destroyed.

3.4.7 Disorderly conduct or the causing of disturbance in or near the examination will be treated as a serious examination irregularity.

3.4.8 Note: Mobile phones are prohibited in the examination rooms and the examination centre. Any candidate caught in possession of a mobile phone will have his/her results cancelled.

3.5 PENALTY FOR IRREGULARITIES

3.5.1 The KNEC Act 2012 rules and regulations, offences and penalties stated in sections 27 to 40 or cases of examination irregularities will apply. Some of the highlights in these sections state that:

3.5.1.1 A candidate who commits an examination irregularity in any paper will have the results for the WHOLE SUBJECT cancelled. Such a candidate will not be entitled to a result and will be awarded result "Y" overall.

3.5.1.2 If there is evidence of widespread irregularities in any centre, the whole examination results for the whole centre will be cancelled. Any person who:

- a) gains access to examination material and knowingly reveals the contents, whether orally or in writing, to an unauthorized party, whether a candidate or not will violate **section 27** and the penalty will be imprisonment for a term not exceeding **ten years**, or a fine not exceeding **two million shillings** or both;
- b) wilfully and maliciously damages examination material will violate section 30 and the penalty will be imprisonment for a term not exceeding two years or a fine not exceeding five million shillings or both;
- c) is not registered to take a particular Council's examination but, with intent to impersonate, presents or attempts to present himself to take the part of an enrolled candidate, shall be guilty of an offence and liable to imprisonment for a term not exceeding one year or a fine not exceeding two million shillings or both and may be prohibited from taking an examination conducted by or on behalf of the Council for a period of three years.

CHIEF EXECUTIVE OFFICER