



THE KENYA NATIONAL EXAMINATIONS COUNCIL

KNEC/GEN/TD/PSE/TEC/TT/20

REVISED 2020 JUNE/JULY TECHNICAL EXAMINATIONS TIMETABLE

1.0 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 impaired candidates will **not** be given extra time other than what is stated on their respective papers. Any time allocated to reading through questions is included in the total time shown, except when special paper instructions indicate otherwise.
- 1.2 All first session examinations will start at 8.00 a.m. The start time for the second session examinations will be as indicated on the timetable
- 1.3 Your attention is drawn to the regulations governing the conduct of candidates under items 3.0; 4.0; 5.0 and 6.0 of this timetable.

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.

2.0 EXAMINATION PERIOD AND DATES FOR JUNE/JULY 2020

2.1 PRACTICAL & PROJECT PAPERS

DATE		PAPER CODE	PAPER NAME	DURATION
PLANNING WEDNESDAY 13TH JANUARY, 2021				
ONE DAY ONLY				
PLANNING WEDNESDAY 13TH JANUARY 2021 ONE DAY ONLY	1.	1402/314	Food and Beverage Production Practical	2 hrs
	2.	1802/104 1819/104	Food and Beverage Production Practical	2 hrs
	3.	1819/203	Housekeeping practical	1 hr
	4.	1819/204	Laundry practical	1 hr
	5.	2402/301 2419/301	Food and Beverage Management Practice	3 hrs
	6.	2406/101	Housekeeping Management Practice	3 hrs
	7.	2406/201	Laundry and Dry Cleaning Practice	3 hrs
	8.	2419/305	Accommodation Management Practice	2 hrs
	9.	2801/105	Housekeeping Practice	1 hr
	10.	2801/106	Laundry Practice	1 hr
	11.	2802/105 2819/105/1	Food and Beverage Production Practical	2 hrs
	12.	2802/205 2819/205	Food and Beverage Production Management Practice	2 hrs
	13.	2802/305 2819/305	Food and Beverage Service and Sales Management Practice	1 ½ hrs
	14.	2819/106	Accommodation Operations Practice	2 hrs
	15.	2819/203	Accommodations Operations Management Practice I (Laundry)	2 hrs
	16.	2819/302	Accommodations Operations Management Practice II (House Keeping)	2 hrs
START OF PRACTICAL PAPERS				
MONDAY 18TH JANUARY, 2021				
START OF PRACTICAL PAPERS MONDAY 18TH JANUARY 2021	17.	0101/211	Trade Practice	12 hrs
	18.	0103/211	Trade Practice	12 hrs
	19.	0105/211	Trade Practice	12 hrs
	20.	0106/211	Trade Practice	12 hrs
	21.	0202/211	Trade Practice	6 hrs
	22.	0301/211	Trade Practice	8 hrs
	23.	0302/211	Trade Practice	8 hrs
	24.	0304/211	Trade Practice	8 hrs
	25.	0305/211	Trade Practice	8 hrs
	26.	0401/211B	Trade Practice	4 hrs
	27.	0402/211	Trade Practice, Food and Beverage Production	5 hrs
	28.	0402/216	Trade Practice on Food and Beverage Service	3 hrs
	29.	0404/211	Trade Practice	9 hrs
	30.	0405/211	Trade Practice	9 hrs
	31.	0501/103	Metal Processing Technology Practice I	9 hrs

DATE	PAPER CODE	PAPER NAME	DURATION
	32. 0501/203	Metal Processing Technology Practice II	12 hrs
	33. 0503/103	Motor Vehicle Practice I	16 hrs
	34. 0503/203	Motor Vehicle Practice II	16 hrs
	35. 0504/105	Trade Practice I	6 hrs
	36. 0504/204	Trade Practice II	6 hrs
	37. 05041/105	General Marine Engineering practical (Trade practice I)	12 hrs
	38. 05041/205	Marine Engineering Technology Practical (Trade Practice II)	12 hrs
	39. 0505/103	Refrigeration and Air Conditioning Trade Practice I	6 hrs
	40. 0505/203	Refrigeration and air Conditioning Trade Practice II	6 hrs
	41. 0601/103	Electrical & Electronics Technology Practice I	9 hrs
	42. 0601/203	Electrical and Electronics Technology Practice II	8 hrs
	43. 0701/103	Appropriate Carpentry & Joinery Practice I	9 hrs
	44. 0701/203	Appropriate Carpentry & Joinery Practice II	9 hrs
	45. 0702/103	Building Technology Practice I	9 hrs
	46. 0702/203	Building Technology Practice II	9 hrs
	47. 0801/103	Fashion Design & Garment Making Practice I	7 hrs
	48. 0801/203	Fashion Design & Garment Making Practice II	7 hrs
	49. 0602/203 0920/202	ICT Trade Practice II	6 hrs
	50. 0901/103	Hair Dressing and Beauty Therapy Practice I	6 hrs
	51. 0901/203	Hair Dressing and Beauty Therapy Practice II	6 hrs
	52. 0902/103	Food Processing Technology Practice I	6 hrs
	53. 0902/203	Food Processing Technology Practice II	6 hrs
	54. 0903/103	Leather Technology Practice I	12 hrs
	55. 0903/203	Leather Technology Practice II	12 hrs
	56. 0904/103	Agribusiness Practice I	9 hrs
	57. 0904/203	Agribusiness Practice II	9 hrs
	58. 0920/102 0602/103	Information Communications Technology Practice I	6 hrs
	59. 1102/315	Trade Practice	25 Hrs
	60. 1103/315	Trade Practice	6 Hrs
	61. 1105/315	Trade Practice	6 Hrs
	62. 1106/315	Trade Practice	25 Hrs
	63. 1202/314	Electrical Installation Practice	8 Hrs
	64. 1204/313	Electronic Instruments & Fault Diag. (Practice)	8 Hrs
	65. 1301/315	Carpentry & Joinery Craft Practice	9 Hrs
	66. 1304/315	Masonry Craft Practice	9 Hrs
	67. 1305/315	Plumbing Craft Practice	9 Hrs
	68. 1308/315	Land Surveying Craft Practice	6 Hrs
	69. 1309/315	Road Construction Craft Practice	9 Hrs
	70. 1401/311	Garment Making Practical	7 Hrs
	71. 1402/314	Food & Beverage Production Practical	6 Hrs
	72. 1402/315	Food & Beverage Service Practical	3 Hrs
	73. 1403/315	Food Processing & Preservation Practical	6 Hrs
	74. 1404/315	Trade Practice	6 Hrs
	75. 1406/311	Housekeeping Practical	4 Hrs
	76. 1406/312	Laundry Practical	4 Hrs
	77. 1409/315	Fisheries Technology Trade Practice	6 Hrs
	78. 1410/208/2	Kenyan Sign Language (KSL) Expressive Signing Skills (Practice) {15 minutes per candidate}	15 min each
LAST DAY OF PRACTICAL PAPERS	79. 1501/206	Mechanical Engineering Trade Practice	25 hrs
	80. 1503/106	Motor Vehicle Technology Trade Practice I	6 hrs
	81. 1503/206	Motor Vehicle Technology Trade Practice II	6 hrs
	82. 1504/106	Trade Practice I	12 hrs
	83. 1504/206	Trade Practice II	12 hrs
	84. 15041/106	Navigation Safety and Boat Handling Practice (Trade Practice)	6 hrs
	85. 1505/106	Trade Practice I	12hrs
	86. 1505/206	Trade Practice II	12 hrs
	87. 15051/106	General Marine Engineering Practical (Trade Practice)	12 hrs
	88. 1507/114 1907/104	Bread & Confectionery Making I Practice	6 hrs
	89. 1507/213 1907/204	Bread & Confectionery Making II Practice	6 hrs
	90. 1508/106	Welding and Fabrication Trade Practice I	18 hrs

LAST DAY OF
PRACTICAL
PAPERS

FRIDAY
29TH JANUARY
2021

DATE	PAPER CODE	PAPER NAME	DURATION
	91. 1508/206	Welding and Fabrication Trade Practice II	18 hrs
	92. 1509/106	Construction Plant Trade Practice I	8 hrs
	93. 1509/206	Construction Plant Trade Practice II	9 hrs
	94. 1521/104 1601/106 1602/106	Trade Practice I	8 hrs
	95. 1521/206 1601/206	Trade Practice II	8 hrs
	96. 1522/206 1602/206	Telecom Systems and Fault Diagnosis	12 hrs
	97. 1704/106	Building Construction Practice	15 hrs
	98. 1704/205	Building Construction Practice	18 hrs
	99. 1801/105	Fabric Colouration Practical	4 hrs
	100. 1801/203	Garment Making Practical (For Women)	7 hrs
	101. 1801/204	Garment Making Practical (For Men)	7 hrs
	102. 1801/205	Batik and Embroidery Practical	4 hrs
	103. 1802/104 1819/104	Food and Beverage Production Practical	6 hrs
	104. 1802/204	Food and Beverage Service and Sales Practical	3 hrs
	105. 1819/106	Food & Beverage Service Practical	3 hrs
	106. 1819/203	House Keeping Practical	5 hrs
	107. 1819/204	Laundry Practical	5 hrs
	108. 1903/106	Food Processing and Preservation I Practical	6 hrs
	109. 1903/205	Food Processing and Preservation II Practical	6 hrs
	110. 2401/302	Garment Cutting and Making Practical	6 hrs
	111. 2402/301 2419/301	Food & Beverage Management Practice	6 hrs
	112. 2406/101	House Keeping Management Practice	5 hrs
	113. 2406/201	Laundry and Dry Cleaning Practice	5 hrs
	114. 2419/305	Accommodation Management Practice	4 hrs
	115. 2420/201A	Bread Making Practice II	8 hrs
	116. 2420/201B	Flour & Confectionery Practice II	6 hrs
	117. 2420/301	Bread Making & Flour Confectionery Practice III	12 hrs
	118. 25041/106	Navigation safety and ship maintenance practical	12 hrs
	119. 2801/105	Housekeeping Practice	4 hrs
	120. 2801/106	Laundry Practice	4 hrs
	121. 2802/105 2819/105/1	Food and Beverage Production Practical	6 hrs
	122. 2802/106 2819/105/2	Food and Beverage Service Practical	6 hrs
	123. 2802/205 2819/205	Food Production Management Practice	5 hrs
	124. 2802/305 2819/305	Food and Beverage Service and Sales Management Practice	6 hrs
	125. 2803/105	Clothing Construction I Practical	6 hrs
	126. 2803/205	Clothing Construction II Practical	6 hrs
	127. 2803/305	Clothing Construction III Practical	6 hrs
	128. 2819/106	Accommodation Operations Practice	7 hrs
	129. 2819/203	Accommodation Operations Management I Practice (Laundry)	4 hrs
	130. 2819/302	Accommodation Operations Management II Practice (House Keeping)	4 hrs
	131. 2830/105	Spinning Machinery and Maintenance Practical	6 hrs
	132. 2830/205	Weaving and Knitting Machinery practical	6 hrs
	133. 2830/305	Quality Control, Analysis and Testing Practical	6 hrs
	134. 2913/206	Food Processing I Practical	6 hrs
	135. 2913/306	Food Processing II Practical	6 hrs
	136. 2920/105	Baking I Practice (Bread)	6 hrs
	137. 2920/106	Baking I Practice (Confectionery)	6 hrs
	138. 2920/204	Baking II Practice (Bread)	6 hrs
	139. 2920/205	Baking II Practice (Confectionery)	6 hrs
	140. 2920/305	Baking III Practice (Bread)	8 hrs
	141. 2920/306	Baking III Practice (Confectionery)	8 hrs

WRITTEN PAPERS

DATE		PAPER CODE	PAPER NAME	DURATION
8.00 A.M. DAY 1 MONDAY 1ST FEBRUARY, 2021				
1ST MORNING SESSION				
MONDAY 1ST FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 1	1.	0504/101	Entrepreneurship and Communication Technology	2½ hrs
	2.	05041/101	Entrepreneurship and Communication Technology	2½ hrs
	3.	05041/201	Communications and Life Skills	2½ hrs
	4.	1314/101	Water Resources I	3 hrs
	5.	1314/201	Water Resources II	3 hrs
	6.	1501/101 1503/101 1508/101 1509/101 1601/101 1602/101 1704/101	ICT and Entrepreneurship	3 hrs
	7.	1501/201 1503/201 1508/201 1509/201 1521/201 1522/201 1601/201 1602/201 1704/201	Communication Skills	3 hrs
	8.	1504/101	Entrepreneurship & Communication Technology	3 hrs
	9.	1504/201	Ship Construction & Stability	3 hrs
	10.	15041/101 15051/101	Entrepreneurship and Communication Technology	3 hrs
	11.	1505/101	Entrepreneurship & Communication Technology	3 hrs
	12.	1505/201	Marine Engineering & Management	3 hrs
	13.	15041/201 15051/201	Communication skills and Fundamentals of Management	3 hrs
	14.	1507/113 1907/101 1801/101 1802/101 1803/101 1804/101 1805/101 1819/101 1901/101 1903/101 1904/101 1905/101 1908/101	ICT, Mathematics and Entrepreneurship	3 hrs
	15.	1507/212A 1801/201 1802/201 1803/201 1804/201 1805/201 1901/201 1903/201 1904/201 1905/201 1907/201 1908/201	Communications Skills	3 hrs
	16.	1521/101 1522/101	ICT Technical Drawing and Entrepreneurship	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	17.			
11.30 A.M DAY 1 MONDAY 1ST FEBRUARY, 2021				
2nd MORNING SESSION				
MONDAY 1ST FEBRUARY 2021 2nd MORNING SESSION 11.30 A.M. DAY 1	18.	1080/211	Mathematics	3 hrs
	19.	1102/311 1103/311 1105/311 1106/311	Mathematics & Engineering Science	3 hrs
	20.	1202/311	Mathematics	3 hrs
	21.	1204/311	Mathematics	3 hrs
	22.	1301/311 1304/311 1305/311 1309/311	Mathematics	3 hrs
	23.	1308/311	Mathematics	3 hrs
	24.	1402/311	Food & Beverage Production Theory	3 hrs
	25.	1403/311	Food Engineering	3 hrs
	26.	1404/311	Principles of Leather Manufacture	3 hrs
	27.	1405/311	Crop Production	3 hrs
	28.	1408/311	Laboratory Practice	3 hrs
	29.	1409/311	Fishing Technology	3 hrs
	30.	1410/201	Social Development Theory Methods, Policy & Admin.	3 hrs
	31.	1411/311	Introduction to Printing Technology	3 hrs
	32.	1412/311	Immunology & Medical Microbiology	3 hrs
	33.	2080/201 2081/201 2082/201 2083/201	Mathematics	3 hrs
	34.	2401/301	Pattern Drafting & Grading Practical	4 hrs
	35.	2425/101	Principles of Crop Production I & Soil Science	3 hrs
	36.	2425/201	Principles of Crop Production II & Soil Fertility & Plant Nutrition	3 hrs
	37.	2425/301	Crop Production III	3 hrs
	38.	2426/101 2427/101A	Nutrition, Community Health & Diet Therapy I Practice	3 hrs
	39.	2426/201 2427/201A	Nutrition & Diet Therapy II Practice	3 hrs
	40.	2426/301 2427/301	Diet Therapy III Practice & Theory	3 hrs
	41.	3084/201	Soil Mechanics & Foundation Engineering	3 hrs
	42.	3301/214	Plane Surveying	3 hrs
	43.	3302/214	Image Processing & Interpretation	3 hrs
	44.	3303/214	Computer Assisted Cartography	3 hrs
8.00 A.M. DAY 2 TUESDAY 2ND FEBRUARY, 2021				
1st MORNING SESSION				
TUESDAY 2ND FEBRUARY 2021 1st MORNING SESSION 8.00 A.M. DAY 2	45.	2301/303 2302/303	Structures	3 hrs
	46.	2303/303	Hydrological Processes	3 hrs
	47.	2304/303	Hydrogeology	3 hrs
	48.	2305/303 2307/303 2308/303	Structures	3 hrs
	49.	2311/303 2312/303	Photogrammetry and Remote Sensing	3 hrs
	50.	2313/303	Cartography, Photogrammetry & Remote Sensing	3 hrs
	51.	2402/302 2419/302	Food & Beverage Production Theory	3 hrs
	52.	2403/303	Food Analysis	3 hrs
	53.	2406/302	Communication Skills	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	54.	2416/301 2417/301 2418/301	Art Studio Organization & Management	3 hrs
	55.	2422/301 2423/301 2424/301	Industrial Organization and Management	3 hrs
	56.	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	3 hrs
	57.	2501/201 2502/201 2503/201 2508/201 2509/201	Industrial Organisation and Management	3 hrs
	58.	2501/305	Production Line Processes and Foundry Technology	3 hrs
	59.	2502/305	Power Production Systems	3 hrs
	60.	2503/305	Auto Electrics and Electronics	3 hrs
	61.	2508/305	Advanced Fabrication Technology	3 hrs
	62.	2509/305	Construction Plant Technology and Practice III	3 hrs
	63.	2504/101	Entrepreneurship and Communication Technology	3 hrs
	64.	25041/101 25051/101	Entrepreneurship and Communication Technology	3 hrs
	65.	2505/101	Entrepreneurship and Communication Skills	3 hrs
	66.	2506/101 2507/101	Entrepreneurship & Communication Technology	3 hrs
	67.	2521/101	ICT, Entrepreneurship, Life and Communication Skills	3 hrs
	68.	2525/101 2528/101 2802/101 2803/101 2805/101 2819/101 2830/101 2901/101 2902-09/101 2910/101 2913/101 2914/101 2915/101 2916/101 2920/101 2921/101 2922/101	ICT, Communication Skills and Entrepreneurship	3 hrs
	69.	2914/201 2915/201	Research Methods	3 hrs
	70.	2914/301 2915/301	Industrial Organization and Management	3 hrs
	71.	1904/106	Science Laboratory Techniques practical I	4 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
11.30 A.M. DAY 2, TUESDAY 2ND FEBRUARY 2021				
2ND MORNING SESSION				
TUESDAY		0101/215 0103/215 0105/215 0106/215 0202/215 0301/215 0302/215 0304/215 0305/215 0401/215 0402/215 0404/215 0405/215	Support Subjects	3 hrs
2ND FEBRUARY 2021	72.			
2ND MORNING SESSION				
11.30 A.M.				
DAY 2				
	73.	2205/301	Systems analysis & Design	3 hrs
	74.	2207/302	Telecommunication Principles	3 hrs
	75.	2404/301	Taxonomy, Ecology, Soil-Study Herbarium, Aquarium and Vivarium	3 hrs
	76.	2407/301	Parasitology & Histological Techn.	3 hrs
	77.	2411/301	Physical Chemistry	3 hrs
	78.	2428/101	Social Work, Theory Practice & Community Development	3 hrs
	79.	2428/201	Resource Mobilization, Fund Raising & Project Management	3 hrs
	80.	2428/301	Social Psychology & Human Development	3 hrs
	81.	2428/304	Transformation & Social Marketing	3 hrs
	82.	2429/301	Social and Administrative Pharmacy	3 hrs
	83.	2504/201	Chart Work Practices	3 hrs
	84.	2504/302	Ship Stability and Handling	3 hrs
	85.	25041/201	Chart work	3 hrs
	86.	2505/201	Ship Construction & Naval Architecture II	3 hrs
	87.	2505/301	Marine Organisation and Management	3 hrs
	88.	25051/201	Ship Stability	3 hrs
	89.	25041/301 25051/301	Marine Organisation and Management	3 hrs
	90.	2506/201	Aircraft Propeller Systems	3 hrs
	91.	2506/301 2507/301	Industrial Organisation and Management	3 hrs
	92.	2507/201	Aircraft Instruments and Measurement Systems	3 hrs
	93.	2521/202	Industrial Control Systems	3 hrs
	94.	2521/303 2601/301 2602/301 2603/301	Industrial management and Engineering Contracts	3 hrs
	95.	2528/201 2922/201	Earth Science and Environmental Information Systems	3 hrs
	96.	2528/301 2922/301	Atmospheric Science	3 hrs
	97.	2601/201 2602/201 2603/201	Control Systems and Programmable Logic Controllers	3 hrs
	98.	2705/204 2707/204	Measurement of Building and Civil Engineering Works, Estimating and Costing I	3 hrs
	99.	2709/205	Architectural Landscaping, Graphic design I Architectural Technology	4 hrs
	100.	2710/205	History of Architecture	3 hrs
	101.	2710/305	Environmental Planning and Management	3 hrs
	102.	2802/201	Hospitality Accounting and Law	3 hrs
	103.	2802/301 2920/301	Human Relations	3 hrs

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DATE		PAPER CODE	PAPER NAME	DURATION		
	104.	2803/201	Industrial Organization Management I & Quality Control I	3 hrs		
	105.	2803/301	Industrial Organization Management II & Quality Control II	3 hrs		
	106.	2805/201	Legal Instruments for Child Protection	3 hrs		
	107.	2805/303	Resource Mobilization and Project Management	3 hrs		
	108.	2830/201	Weaving and Knitting Machinery practical	3 hrs		
	109.	2830/301	Textile Preparation and Finishing Processes	3 hrs		
	110.	2901/202	Research methods	3 hrs		
	111.	2901/302	Project Management	3 hrs		
	112.	2910/202	Crop enterprise management II	3 hrs		
	113.	2910/301	Crop enterprise management III	3 hrs		
	114.	2913/201	Food Chemistry I and Food Microbiology I	3 hrs		
	115.	2913/302	Food Chemistry II & Food Microbiology II	3 hrs		
	116.	2916/205	Introduction to Primary Health Care and Principles of Nutrition and Behaviour	3 hrs		
	117.	2916/305	Community Partnership Skills, Nutrition Assessment and Surveillance and Nutrition in Emergency	3 hrs		
	118.	3402/201	Trends and Issues in Education and Training	3 hrs		
8.00 A.M. DAY 3, WEDNESDAY 3 RD FEBRUARY, 2021 1 ST MORNING SESSION						
WEDNESDAY 3RD FEBRUARY, 2021 1ST MORNING SESSION 8.00 A.M. DAY 3	119.	0101/214 0103/214 0105/214 0106/214 0202/214 0301/214 0302/214 0304/214 0305/214 0401/214 0404/214 0405/214	Applied Geometry	3 hrs		
		120.	0504/102	Technical Drawing & Engineering Science	2 ½ hrs	
		121.	0504/202	Technical Drawing & Engineering Science	2 ½ hrs	
		122.	05041/102	Mathematics I and Applied Science I	2 ½ hrs	
		123.	05041/202	Mathematics II and Applied Science II	2 ½ hrs	
		124.	1080/213	Strength & Properties of Materials	3 hrs	
		125.	1102/312 1103/312 1105/312 1106/312	Technical Drawing	3 hrs	
			126.	1202/315	Electrical Maintenance & Fault Diagnosis	3 hrs
			127.	1204/312	Electronic Instruments & Fault Diagnosis (Theory)	3 hrs
			128.	1301/312 1304/312 1305/312	Technical Drawing	3 hrs
		129.	1308/312	Survey Drawing	3 hrs	
		130.	1309/312	Soil Mechanics & Engineering Materials	3 hrs	
	131.	1314/102	Water and Waste Water I	3 hrs		
	132.	1314/202	Water and Waste Water II	3 hrs		
	133.	1501/104 1508/104 1509/104	Technical Drawing I	3 hrs		
		134.	1501/204 1503/204 1508/204 1509/204	Technical Drawing II	3 hrs	
			135.	1503/104	Technical Drawing I	3 hrs
	136.		1504/104	Cargo Work	3 hrs	
	137.		15041/104	Seamanship	3 hrs	
	138.	1505/104	Technical Drawing & Workshop Technology	3 hrs		
	139.	1505/204	Workshop Technology	3 hrs		

DATE		PAPER CODE	PAPER NAME	DURATION
	140.	15051/104	Marine Engineering Knowledge I	3 hrs
	141.	15051/204	Marine Engineering Knowledge II	3 hrs
	142.	1507/112 1907/102 1802/102 1819/102	Food Science & Nutrition	3hrs
	143.	1507/212B 1907/202	Baking Control	3 hrs
	144.	1521/102 1522/102	Mathematics & Trade Science I	3 hrs
	145.	1521/204 1601/204	Micro-Electronics, Electrical Principles II, Electrical Maintenance And Fault Diagnosis	3 hrs
	146.	1522/204 1602/204	Micro Electronics, Electrical Principles and Fault Diagnosis	3 hrs
	147.	1601/102 1602/102	Applied Science, Electrical Principles I and Electronics	3 hrs
	148.	1801/102	Art, Fashion Design & Sketching and Pattern Drafting I	4hrs
	149.	1801/202	Garment Cutting and Making Theory, Pattern Drafting II and Grading	4 hrs
	150.	1802/202	Food and Beverage Control and Catering Premises & Equip	3 hrs
	151.	1804/102	Fundamentals in Childcare and Protection.	3 hrs
	152.	1804/202	Legal Framework in Childcare Protection	3 hrs
	153.	1901/102	Earth and Physical Sciences	3 hrs
	154.	1901/202	Exploration Geophysics & Seismic Techniques	3 hrs
	155.	1903/102	Applied Science and Laboratory Practice	3 hrs
	156.	1903/202	Food Chemistry and Food Microbiology	3 hrs
	157.	1904/102	Principles of Laboratory & Workshop Practice I	3 hrs
	158.	1904/202	Principles Laboratory & Workshop Practice II	3 hrs
	159.	1905/102	Applied Physical Sciences, Applied Biological Sciences, Anatomy and Physiology	3 hrs
	160.	1905/202	Community Diagnosis & Mobilization, Introduction to Nutrition Surveillance and Nutrition in Emergency	3 hrs
	161.	2209/201	System Analysis and Design	3 hrs
	162.	2209/301	Quantitative Methods	3 hrs
	163.	2902/303	Personal Development, Ethical and Legal Issues	3 hrs
	164.	2902-09/105	Personal development I and Life skills	3 hrs
	165.	2902-09/202	Group Counselling	3 hrs
	166.	2903/303	Personal Development, Professional, Ethical and Legal Issues	3 hrs
	167.	2904/303	Personal and Professional Development, Ethical and Legal Issues	3 hrs
	168.	2905/303	Personal Development and Professional Issues	3 hrs
	169.	2906/303	Personal Development, Family Counselling and Effective Parenting.	3 hrs
	170.	2907/303	Personal and Professional Development	3 hrs
	171.	2908/303	Advocacy For Persons With Special Needs and Disabilities	3 hrs
	172.	2909/303	Personal Development and Spiritual Formation	3 hrs
	173.	2914/206	Applied Biology Practical II	4 hrs
11.30 A.M. DAY 3 WEDNESDAY, 3RD FEBRUARY, 2021				
2ND MORNING SESSION				
WEDNESDAY, 3RD FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 3	174.	2101/301 2102/301 2103/301 2104/301 2105/301 2106/301 2107/301 2108/301	Mathematics	3 hrs
		2201/301 2203/301 2204/301 2206/301	Mathematics	3 hrs
		2207/301	Mathematics	3 hrs
		2208/301	Mathematics	3 hrs
		2209/101	Introduction to Computers & Principles of Operating Systems	3 hrs
		2413/301	Mathematics	3 hrs
		2429/304B	Pharmaceutical Chemistry Practical	4 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	181.	2501/103 2502/103 2503/103 2508/103 2509/103	Engineering Mathematics I	3 hrs
	182.	2501/203 2502/203 2503/203 2508/203 2509/203	Engineering Mathematics II	3 hrs
	183.	2501/303 2502/303 2503/303 2508/303 2509/303	Engineering Mathematics III	3 hrs
	184.	2504/103 2505/103	Mathematics I & Applied Science	3 hrs
	185.	2504/203 2505/203	Engineering Mathematics I	3 hrs
	186.	2504/303	Ship Power Plant	3 hrs
	187.	25041/103 25051/103	Mathematics I and Applied science	3 hrs
	188.	25041/203	Mathematics II	3 hrs
	189.	25051/203	Engineering Mathematics II	3 hrs
	190.	25041/303	Ship board operations and marine environment	3 hrs
	191.	2505/303	Engineering Mathematics II	3 hrs
	192.	25051/303	Engineering Mathematics III	3 hrs
	193.	2506/103 2507/103	Engineering Mathematics I & Engineering Science I	3 hrs
	194.	2506/203 2507/203	Engineering Mathematics II	3 hrs
	195.	2506/303 2507/303	Engineering Mathematics III	3 hrs
	196.	2525/102 2910/102 2921/102	Applied Science I	3 hrs
	197.	2525/201 2921/201	Applied Science II	3 hrs
	198.	2525/305 2921/305	Natural Resource Management	3 hrs
	199.	2528/102 2922/102	Environmental Chemistry & Applied Science	3 hrs
	200.	2528/202 2922/202	Environmental Pollution Control, Health and Safety	3 hrs
	201.	2528/302 2922/302	Environmental waste Management EIA and Environmental Law	3 hrs
	202.	2705/102 2707/102 2709/102 2710/102	Mathematics I and Physical Science	3 hrs
	203.	2705/201 2707/201 2709/201 2710/201	Mathematics II and Surveying II	3 hrs
	204.	2705/301 2707/301 2709/301 2710/301	Mathematics III and Surveying III	3 hrs
	205.	2830/102	Mathematics I, Physics and Technical Drawing	3 hrs
	206.	2830/202	Mathematics II	3 hrs
	207.	2830/302	Dyeing and Printing technology	3 hrs
	208.	2901/102	Applied Mathematics and Economics	3 hrs
	209.	2901/201	Applied Mathematics	3 hrs
	210.	2901/301	Financial Accounting	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	211.	2910/201	Applied Science II	3 hrs
	212.	2910/302	Agricultural Biochemistry and Agro-processing & value addition	3 hrs
	213.	2913/102	Mathematics and Applied Science	3 hrs
	214.	2913/202	Food Analysis and Quality Assurance	3 hrs
	215.	2913/304	Food Analysis & Instrumentation	3 hrs
	216.	2914/102 2915/102	Mathematics and Applied Science	3 hrs
	217.	2915/202	Industrial Chemistry I and Instrumental Methods of Analysis I	3 hrs
	218.	2914/302	Entomology, Pharmacology and Toxicology	3 hrs
	219.	2915/302	Instrumental Methods II and Biochemistry	3 hrs
	220.	3402/101	Principles and Techniques of Education Management	3 hrs
	221.	4080/203	Organic Chemistry	3 hrs
	222.	4082/203	Pharmacology & Toxicology I	3 hrs
	223.	4089/203	Specific Products Technology	3 hrs
8.00 A.M. DAY 4 THURSDAY 4TH FEBRUARY, 2021				
1ST MORNING SESSION				
THURSDAY 4TH FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 4	224.	0101/213	Trade Theory	2½ hrs
	225.	0103/213	Trade Theory	2½ hrs
	226.	0105/213	Trade Theory	2½ hrs
	227.	0106/213	Trade Theory	2½ hrs
	228.	0202/213	Trade Theory	2½ hrs
	229.	0301/213	Trade Theory	2½ hrs
	230.	0302/213	Trade Theory	2½ hrs
	231.	0304/213	Trade Theory	2½ hrs
	232.	0305/213	Trade Theory	2½ hrs
	233.	0401/213	Trade Theory	2½ hrs
	234.	0402/213	Trade Theory	2½ hrs
	235.	0404/213	Trade Theory	2½ hrs
	236.	0405/213	Trade Theory	2½ hrs
	237.	0501/102	Metal Processing Technology Theory I	2 hrs
	238.	0501/202	Metal Processing Technology Theory II	2 hrs
	239.	0503/102	Motor Vehicle Technology Theory I	2 hrs
	240.	0503/202	Motor Vehicle Technology Theory II	2 hrs
	241.	0504/103	Seamanship & Environment Protection	2 ½ hrs
	242.	0504/203	Seamanship & Cargo II	2 ½ hrs
	243.	05041/103	Seamanship and Boat Handling Practices	2 ½ hrs
	244.	05041/203	Cargo Handling and Stowage	2 ½ hrs
	245.	0505/102	Refrigeration & Air Conditioning Theory I	2 hrs
	246.	0505/202	Refrigeration & Air Conditioning Theory II	2 hrs
	247.	0601/102	Electrical & Electronics Technology Theory I	2 hrs
	248.	0601/202	Electrical and Electronics Trade Theory II	2 hrs
	249.	0701/102	Appropriate Carpentry Trade Theory I	2 hrs
	250.	0701/202	Appropriate Carpentry Trade Theory II	2 hrs
	251.	0702/102	Building Technology Theory I	2 hrs
	252.	0702/202	Building Technology Theory	2 hrs
	253.	0801/102	Fashion Design & Garment Making Theory I	2 hrs
	254.	0801/202	Fashion Design and Garment Making Trade Theory II	2 hrs
	255.	0602/102 0920/104	Information Communication Technology Theory I	2 hrs
	256.	0602/202 0920/204	ICT Trade Theory II	2 hrs
	257.	0901/102	Hair Dressing & Beauty Therapy Theory I	2 hrs
	258.	0901/202	Hair Dressing & Beauty Therapy Theory II	2 hrs
	259.	0902/102	Food Processing Technology I Theory	2 hrs
	260.	0902/202	Food Processing Technology II Theory	2 hrs
	261.	0903/102	Leather Technology I Theory	2 hrs
	262.	0903/202	Leatherwork Technology Theory II	2 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	263.	0904/102	Agri-business Trade Theory I	2 hrs
	264.	0904/202	Agri-business Trade Theory II	2 hrs
	265.	1080/216	Fluid Mechanics	3 hrs
	266.	2080/206 2083/206	Machines & Utilization	3 hrs
	267.	2082/206	Communication Systems	3 hrs
	268.	2101/305	Materials & Metallurgy	3 hrs
	269.	2102/305	Plant Electrical & Instrumentation	3 hrs
	270.	2103/305	Engine & Auto Elec. Tech & Practical	3 hrs
	271.	2104/305	Engine & Vehicle Technology(Theory & Practice)	3 hrs
	272.	2105/305	Tractors & Power Units Post Harvest Technology	3 hrs
	273.	2106/305	Material Science & Metallurgy	3 hrs
	274.	2107/305	Airframe Technology	3 hrs
	275.	2108/305	Material Science & Metallurgy	3 hrs
	276.	2413/306	Unit Operations	3 hrs
	277.	2419/306	Accommodation Operations & Property Management	3 hrs
	278.	2422/306	Text Generation	3 hrs
	279.	2423/306	Machine Printing	3 hrs
	280.	2424/306	Box, Carton Manufacture and Packing	3 hrs
	281.	2429/306B	Pharmacology& Therapeutics Practical	4 hrs
	282.	2502/205	Plant Electrical and Instrumentation	3 hrs
	283.	2913/103	Laboratory and Workshop Practice I	3 hrs
	284.	2914/106	Applied Biology Practical I	4 hrs
	285.	2914/202	Taxonomy, Anatomy and Physiology	3 hrs
	286.	2915/304	Organic and inorganic Chemistry III	3 hrs
	287.	3081/205 3082/205 3083/205	Hydraulics, Geology & Soil Mechanics	3 hrs
11.30 A.M. DAY 4 THURSDAY 4TH FEBRUARY, 2021				
2ND MORNING SESSION				
THURSDAY 4TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 4	288.	1102/314	Mechanical Engineering Trade Theory	3 hrs
	289.	1103/314	Motor Vehicle Trade Theory	3 hrs
	290.	1105/314	Agricultural Engineering Trade Theory	3 hrs
	291.	1106/314	Fabrication and Welding Trade Theory	3 hrs
	292.	1301/314	Carpentry and Joinery Craft Theory	3 hrs
	293.	1304/314	Masonry Craft Theory	3 hrs
	294.	1305/314	Plumbing Craft Theory	3 hrs
	295.	1308/314	Land Surveying Theory	3 hrs
	296.	1309/314	Road Construction Tech. & Drawing	3 hrs
	297.	1501/105	Fabrication Technology, Materials and metallurgy	3 hrs
	298.	1501/205	Production Processes Technology	3 hrs
	299.	1503/105	Vehicle Technology, Workshop Technology and Vehicle bodywork	3 hrs
	300.	1503/205	Engine Technology and Auto-Electrics	3 hrs
	301.	1508/105	Fabrication and Welding Technology, Materials and Metallurgy I	3 hrs
	302.	1508/205	Fabrication and Welding Technology I, Materials & Metallurgy II	3 hrs
	303.	1509/105	Workshop Technology, Engine Technology and Construction Plant I	3 hrs
	304.	1509/205	Vehicle Technology and Construction Plant II	3 hrs
	305.	1521/205 1601/205	Electrical Installation II, Estimating, Tendering, Industrial Machines and Controls	3 hrs
	306.	1522/205 1602/205	Telecommunication Systems	3 hrs
	307.	1601/105 1602/105	Electrical and Solar Installation Technology	3 hrs
	308.	1704/105	Site Management and Construction Plant	3 hrs
	309.	2203/302	Data Communication	3 hrs
	310.	2204/302	Machines & Utilization	3 hrs
	311.	2205/302	Data Communication	3 hrs
	312.	2208/304	Clinical Engineering Paper II	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	313.	2301/305 2302/305	Construction Technology, Materials, Measurement, & Costing	3 hrs
	314.	2304/305	Environment Science	3 hrs
	315.	2305/305	Measurement, Estimating & Costing	3 hrs
	316.	2306/305	Building Economics Construction Law, Estimating & Costing	3 hrs
	317.	2307/305	Measurement, Estimating & Costing	3 hrs
	318.	2308/305	Highway Engineering Construction	3 hrs
	319.	2309/305	History of Architecture	3 hrs
	320.	2310/305	Remote Sensing	3 hrs
	321.	2311/305	Special Purposes Cart. & Cart. Rep.	3 hrs
	322.	2312/305	Cadastral Surveying & Land Law	3 hrs
	323.	2313/305	Photomechanical Processes & Print Sci.	3 hrs
	324.	2402/305	Principles and Practice of Management	3 hrs
	325.	2403/305	Food Processing & Preservation	3 hrs
	326.	2404/305	Animal and Plant Husbandry, Pharmacology, Toxicology, Entomology and plant Pathology	3 hrs
	327.	2405/305	Elements of Accounts	3 hrs
	328.	2407/305	Medical Microbiology	3 hrs
	329.	2411/305	Instrumental Methods of Analysis	3 hrs
	330.	2416/305	Advertising & Corporate Identity Design	3 hrs
	331.	2417/305	Drawing, art & Visual Communication	3 hrs
	332.	2418/305	Art/ Factual Sculpture	3 hrs
	333.	2426/104 2427/104	Food & Beverage Production & Service	3 hrs
	334.	2427/203	Computer Applications	3 hrs
	335.	2506/107 2507/107	Aircraft Piston engines	3 hrs
	336.	2506/207	Theory of Flight	3 hrs
	337.	2506/307	Airframe Systems II and Airfield Safety III	3 hrs
	338.	2507/207	Electric Circuit Analysis	3 hrs
	339.	2507/307	Automatic Pilot System and Airfield Safety & Procedures III	3 hrs
	340.	2916/104	Diet Therapy I, Principles of Human Nutrition, Introduction to Nutrition and Dietetics, Anatomy and Physiology Theory	3 hrs
	341.	2916/204	Introduction to Microbiology, First Aid and Principles of Food Processing and Preservation	3 hrs
	342.	2916/304	Communicable and Non-Communicable Diseases and Nutrition Epidemiology	3 hrs
	343.	3084/207	Water and Waste Water Technology	3 hrs
	344.	4080/204	Gravimetric, Volumetric and Biochemistry	3 hrs
	345.	4082/204	Pharmacology & Toxicology II	3 hrs
	346.	4089/204	Food Analysis	3 hrs
8.00 A.M. DAY 5 FRIDAY 5TH FEBRUARY, 2021				
1ST MORNING SESSION				
FRIDAY 5TH FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 5	347.	0501/101 0516/101 0503/101 0505/101 0601/101 0701/101 0702/101	General Education (Engineering) I	1 hr
	348.	0501/201 0503/201 0505/201 0601/201 0701/201 0702/201	General Education (Engineering) II	1 hr
	349.	0602/101 0801/101 0901/101 0902/101 0903/101 0904/101 0920/101	General Education (Science) I	1 hr

DATE		PAPER CODE	PAPER NAME	DURATION
	350.	0602/201 0801/201 0901/201 0902/201 0903/201 0904/201 0920/201	General Education I (Science) Leve II	1 hr
	351.	1410/206	Kiswahili	3 hrs
	352.	1410/208/1	Kenyan Sign Language (KSL) Receptive Skills ans Grammer	3 hrs
	353.	1804/206	Leadership and Management	3 hrs
	354.	1904/206	Science Laboratory Techniques practical II	4 hrs
	355.	1905/106	Legal Aspects of Nutrition and Dietetics, HIV and AIDS, Introduction to Primary Health Care	3 hrs
	356.	1905/206	Maternal and Child Nutrition, Nutrition in the Lifecycle and Nutrition for Vulnerable Groups	3 hrs
	357.	2101/306	Production Technology & Metrology	3 hrs
	358.	2102/306	Plant Technology & practice	3 hrs
	359.	2103/306	Vehicle Technology & Practice	3 hrs
	360.	2104/306	Construction Plant Technology	3 hrs
	361.	2105/306	Agric. Machines, Implementation & Field Engineering	3 hrs
	362.	2106/306	Welding and Fabrication Technology	3 hrs
	363.	2107/306	Aircraft Propulsion	3 hrs
	364.	2108/306	Foundry Technology & Practice	3 hrs
	365.	2201/306	Instrumentation	3 hrs
	366.	2203/306	Communication Systems	3 hrs
	367.	2204/306	Power Electronics & Micro-processors	3 hrs
	368.	2205/306	Computer Applications	3 hrs
	369.	2206/306	Transmission of Measurement and Control Signals	3 hrs
	370.	2206/308	Aeronautics	3 hrs
	371.	2208/306	Hospital Engineering I and II	3 hrs
	372.	2301/306	Water Supply	3 hrs
	373.	2302/306	Waste Water	3 hrs
	374.	2304/306	Drilling, Mechanical and Electrical Technology	3 hrs
	375.	2305/306	Construction Management	3 hrs
	376.	2306/306	Construction Management	3 hrs
	377.	2307/306	Civil Engineering, Construction & Drawing	3 hrs
	378.	2308/306	Traffic Engineering	3 hrs
	379.	2309/306	Construction Management and Law	3 hrs
	380.	2310/306	Photogrammetry	3 hrs
	381.	2311/306	Topographic & Cadastral Cartography	3 hrs
	382.	2312/306	Survey Control & Engineering Survey	3 hrs
	383.	2313/306	Machine Printing & Print Finishing	3 hrs
	384.	2401/306	Fashion Design	3 hrs
	385.	2402/306	Food & Beverage Control	3 hrs
	386.	2403/306	Technology of Specific Products	3 hrs
	387.	2404/306 2407/306 2411/306	Laboratory Practice & Management	3 hrs
	388.	2405/306	Computing	3 hrs
	389.	2413/305	Reactor Engineering & Control	3 hrs
	390.	2422/305	Pre-Press Equipment Maintenance & Quality Control	3 hrs
	391.	2423/305	Press Equipment Maintenance & Quality Control	3 hrs
	392.	2424/305	Post press Equipment Maintenance & Quality Control	3 hrs
	393.	2426/103B 2427/103	Applied Sciences (Microbiology & Parasitology, Anatomy & Physiology)	3 hrs
	394.	2502/105	Plant Maintenance	3 hrs
	395.	2525/204 2921/204	Farm Management and Research Methodology	3 hrs
	396.	2525/304 2921/304	Sustainable Agriculture	3 hrs
	397.	2705/105 2707/105 2709/105	Building Construction I, Technical Drawing & Construction Plant	3 hrs
	398.	2710/105	Building Construction I and Construction Plant	3 hrs
	399.	2705/205	Building Construction II and Drawing II	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	400.	2707/205	Building Construction II, Civil Engineering Construction II & Transportation Engineering I	3 hrs
	401.	2709/204 2710/204	Measurements of Building Works, Estimating & Costing I and Construction Management I	3 hrs
	402.	2705/304 2707/304 2709/304 2710/304	Construction Management II, Estimating and Costing II	3 hrs
	403.	2910/204	Farm Management and Agricultural Extension	3 hrs
	404.	2914/305	Microbiology and Parasitology II	3 hrs
	405.	2915/206	Analytical Chemistry Practical II	4 hrs
	406.	2916/105	Legal Aspects of Nutrition, HIV & AIDS, Nutrition in HIV & AIDS, Maternal and Child Health	3 hrs
11.30 A.M. DAY 5 FRIDAY 5TH FEBRUARY, 2021				
2ND MORNING SESSION				
FRIDAY 5TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 5	407.	0401/211A	Pattern Drafting Practical	4 hrs
	408.	0504/104	Marine Engineering I	2½ hrs
	409.	0504/201	Marine Engineering II	2½ hrs
	410.	05041/104	General Marine Engineering knowledge I	2½ hrs
	411.	05041/204	General Marine Engineering knowledge II	2½ hrs
	412.	1080/217	Production Engineering I	3 hrs
	413.	1080/219	Plant Engineering I	3 hrs
	414.	1080/221	Automobile & Prime Movers Engineering I	3 hrs
	415.	1401/312	Pattern Drafting and Grading Practical	4 hrs
	416.	1402/312	Food & Beverage Control Theory	3 hrs
	417.	1403/312	Food Microbiology & Food Chemistry	3 hrs
	418.	1404/312	Leather Production	3 hrs
	419.	1405/312	Animal Production	3 hrs
	420.	1408/312	Physics Techniques	3 hrs
	421.	1409/312	Fish Handling, Processing & Preservation	3 hrs
	422.	1411/312	Printing Science	3 hrs
	423.	1412/312	Haematology & Immuno-Haematology	3 hrs
	424.	1601/104 1602/104	Technical Drawing	3 hrs
	425.	1704/104	Carpentry and Construction Materials I	3 hrs
	426.	1704/204	Building Services, Joinery & Construction Materials II	3 hrs
	427.	1819/105	Food & Beverage Service and Home Nursing theory	3hrs
	428.	1901/104	Geodynamics, Stratigraphy and Sedimentology	3 hrs
	429.	1901/204	Workshop Technology & Practice	3 hrs
	430.	2418/306	Environment, Mon and Statuary Sculpture	3 hrs
	431.	2425/104	Agricultural Engineering I	3 hrs
	432.	2425/204	Agricultural Engineering II	3 hrs
	433.	2425/304	Agricultural Engineering III & Environmental Management	3 hrs
	434.	2426/203B 2427/204	Applied Science (Physical Science and Biochemistry)	3 hrs
	435.	2429/306A	Pharmacology & Therapeutics Theory	3 hrs
	436.	2521/105 2601/106 2602/106 2603/106	Electrical Measurement and Analogue Electronics I	3 hrs
	437.	3080/206	Building Economics	3 hrs
	438.	3081/206 3083/206 3084/206	Estimating and Costing	3 hrs
	439.	3082/206	Costing & Measurement. of Field Works	3 hrs
	440.	3301/216	Geodesy	3 hrs
	441.	3302/216	Photogrammetric Mapping	3 hrs
	442.	3303/216	Thematic & Special Purpose Mapping	3 hrs
	443.	4080/202	Inorganic Chemistry	3 hrs
	444.	4082/202	Animal Physiology II	3 hrs

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DATE		PAPER CODE	PAPER NAME	DURATION	
	445.	4089/202	Food Processing & Preservation	3 hrs	
8.00 A.M. DAY 6 MONDAY 8 TH FEBRUARY 2021					
1 ST MORNING SESSION					
MONDAY MONDAY 8TH FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 6	446.	1410/202	Law, History & Government	3 hrs	
	447.	2101/303 2102/303 2103/303 2104/303 2105/303 2106/303 2107/303 2108/303	Mechanical Technology	3 hrs	
		448.	2306/303	Building Const. Civil Eng. Constr. & Drawing	3 hrs
		449.	2309/303	Materials & Concrete Technology	3 hrs
		450.	2310/303 2311/304	Land Surveying	3 hrs
		451.	2401/303	Garment Cutting & Making Tech. Theory	3 hrs
		452.	2402/303 2419/303	Food and Beverage Service & Sales Theory	3 hrs
		453.	2403/301	Food Engineering	3 hrs
	454.	2405/303	Statistical Methods	3 hrs	
	455.	2406/103	Principles and Practice of Management	3 hrs	
	456.	2406/203	Applied Science	3 hrs	
	457.	2406/303	Principles of Accounts	3 hrs	
	458.	2407/303	Chemical Pathology	3 hrs	
	459.	2411/303	Organic Chemistry	3 hrs	
	460.	2413/303	Industrial Chemical Processes	3 hrs	
	461.	2420/203	Bakery Control, Principles of Accounts & Communication Skills	3 hrs	
	462.	2422/302 2423/302 2424/302	Printing Science & Materials Tech.	3 hrs	
	463.	2426/302 2427/302	Food Science & Technology	3 hrs	
	464.	2428/103	Community Based Organizations, Capacity Building & Empt	3 hrs	
	465.	2428/203	Advocacy, Lobbying & Legal Aspects in Social Development	3 hrs	
	466.	2428/303	Social Policy Administration and Disaster Management	3 hrs	
	467.	2428/306	Gender Development & Community Leadership	3 hrs	
	468.	2429/303	Pharmaceutics	3 hrs	
	469.	2525/104 2921/104	Livestock Enterprise Management I	3 hrs	
	470.	2525/203 2921/203	Livestock Enterprise Management II	3 hrs	
	471.	2525/301 2921/301	Livestock Enterprise Management III	3 hrs	
	472.	2528/204 2922/204	Environmental Analytical Techniques and laboratory Management	3 hrs	
	473.	2528/304 2922/304	Environmental Analytical Techniques	3 hrs	
	474.	2705/103 2707/103 2709/103 2710/103	Structures I and Construction Materials	3 hrs	
	475.	2705/202 2707/202 2709/202 2710/202	Structures II, Geotechnology II and Concrete Technology II	3 hrs	
	476.	2705/302 2709/302 2710/302	Structures III	3 hrs	
	477.	2707/302	Structures III	3 hrs	
	478.	2802/103	Food and Beverage Production Theory	3 hrs	
	479.	2802/203	Food And Beverage Control Theory	3 hrs	
	480.	2802/303 2819/303 2920/303	Principles and Practice of Management	3 hrs	

DATE		PAPER CODE	PAPER NAME	DURATION
	481.	2803/103	Art, Fashion Design & Sketching and Cutting Technology I	3 hrs
	482.	2803/203	Fashion Design & Sketching II and Cutting Technology II Theory	3 hrs
	483.	2803/303	Fashion Marketing	3 hrs
	484.	2805/202	Case Management in Child Care and Protection	3 hrs
	485.	2805/302	Advocacy and Lobbying	3 hrs
	486.	2819/103	Food & Beverage Service and Control Theory	3 hrs
	487.	2830/104	Spinning Processes and Machinery	3 hrs
	488.	2830/204	Fabric Design and Analysis	3 hrs
	489.	2830/303	Fabric Processing, Machinery and Textile Design	3 hrs
	490.	2901/104	Geodynamics, Sedimentology, Stratigraphy and Policy Framework	3 hrs
	491.	2902/302	Prevention and Treatment Approaches	3 hrs
	492.	2902-09/102	Introduction to Psychology and Lifespan Development	3 hrs
	493.	2902-09/203	Contextual and Multicultural Issues in Counselling and Research Methods	3 hrs
	494.	2903/302	Contextual Issues	3 hrs
	495.	2904/302	Contextual Issues	3 hrs
	496.	2905/302	Contextual and Psychosocial Issues	3 hrs
	497.	2906/302	Contextual Issues, Sexuality and Disaster Management	3 hrs
	498.	2907/302	Contextual Issues In Marriage and Family Therapy	3 hrs
	499.	2908/302	Counselling For Persons With Special Needs and Disabilities	3 hrs
	500.	2909/302	Contextual Issues	3 hrs
	501.	2910/104	Livestock Enterprise Management I	3 hrs
	502.	2910/203	Livestock Enterprise Management II	3 hrs
	503.	2914/306	Applied Biology Practical III	4 hrs
	504.	2916/106	Food Safety and Hygiene, Food Production for Invalids and Convalescents and Nutrition Anthropology	3 hrs
	505.	2916/306	Industrial Organization and management, Product Development, Marketing and Sales.	3 hrs
	506.	2920/103	Baking Control I and Mathematics	3 hrs
	507.	2920/202	Baking control and Baking Material Science	3 hrs
	508.	3080/205	Measurements of Building Works	3 hrs
	509.	3081/203	Structures II	3 hrs
	510.	3083/203	Highway Engineering II	3 hrs
	511.	3084/205	Water Resources	3 hrs
11.30 A.M. DAY 6 MONDAY 8TH FEBRUARY 2021				
2ND MORNING SESSION				
MONDAY 8TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 6	512.	1080/218	Production Engineering II	3 hrs
	513.	1080/220	Plant Engineering II	3 hrs
	514.	1080/222	Automobile & Prime Movers Engineering II	3 hrs
	515.	1102/313 1103/313 1105/313 1106/313	Workshop Organization & Management	3 hrs
	516.	1202/312	Electrical Principles	3 hrs
	517.	1204/314	Electrical Engineering Principles	3 hrs
	518.	1501/102 1508/102 1509/102	Mechanical Science I and Electrical Principles	3 hrs
	519.	1501/202 1503/202 1508/202 1509/202	Workshop Organisation and Management	3 hrs
	520.	1503/102	Applied Science, Electrical and Electronics Principles	3 hrs
	521.	1504/102	Seamanship I	3 hrs
	522.	1504/202	Seamanship & Management	3 hrs
	523.	15041/102	Ship construction	3 hrs
	524.	15041/202	Cargo Handling and Stowage	3 hrs
	525.	1505/102	Ship Construction & Naval Architecture I	3 hrs
	526.	1505/202	Ship Construction & Naval Architecture II	3 hrs
	527.	15051/102	Introduction to Ship Construction and Naval Architecture	3 hrs
	528.	15051/202	Ship Construction and Workshop Technology	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	529.	1521/202 1522/202 1601/202 1602/202	Workshop Organisation and Management	3 hrs
	530.	1804/205	Psychosocial Support and Provider Healthcare	3 hrs
	531.	1903/104	Food Engineering I	3 hrs
	532.	1903/204	Food Processing and Preservation II	3 hrs
	533.	2080/204 2081/204 2082/204 2083/204	Control Systems	3 hrs
	534.	2107/308	Airfield & Safety Procedures	3 hrs
	535.	2201/304 2203/304 2204/304	Control Systems	3 hrs
	536.	2206/302	Control Systems	3 hrs
	537.	2207/306	Airfield & Safety Procedure	3 hrs
	538.	2209/103	Information Systems Management	3 hrs
	539.	2209/203	Programming II	3 hrs
	540.	2416/302 2417/302 2418/302	Socio – Cultural Studies	3 hrs
	541.	2501/104 2508/104	Engineering Drawing I	3 hrs
	542.	2501/204 2508/204	Engineering Drawing II and Design	3 hrs
	543.	2501/304 2502/304 2503/304 2508/304 2509/304	Thermodynamics and Fluid Mechanics	3 hrs
	544.	2502/104 2503/104 2509/104	Engineering Drawing I	3 hrs
	545.	2502/204	Plant Engineering Drawing	3 hrs
	546.	2503/204 2509/204	Engineering Drawing and Design	3 hrs
	547.	2504/104	Navigation I	3 hrs
	548.	2504/204	Navigation II	3 hrs
	549.	2504/304	Navigation III	3 hrs
	550.	25041/104	Navigation I	3 hrs
	551.	25041/204	Navigation II	3 hrs
	552.	25041/304	Navigation III	3 hrs
	553.	2505/104	Technical Drawing and Workshop Technology	3 hrs
	554.	2505/204	Engineering Drawing & Design	3 hrs
	555.	2505/304	Motor and Steam Engineering Knowledge	3 hrs
	556.	25051/104	Technical drawing and Workshop Technology	3 hrs
	557.	25051/204	Engineering Drawing and Design	3 hrs
	558.	25051/304	Maritime Conventions and Environment Protection	3 hrs
	559.	2506/104 2507/104	Engineering Drawing	3 hrs
	560.	2506/204 2507/204	Airfield Safety Procedures II and Research Methods	3 hrs
	561.	2506/304	Gas Turbine Engines	3 hrs
	562.	2507/304	Aircraft Communication, Surveillance and Navigation Systems	3 hrs
	563.	2521/104	Electrical Installation and Principles	3 hrs
	564.	2528/104 2922/104	Environmental Laboratory Practice	3 hrs
	565.	2805/103	Child Care and Protection	3 hrs
	566.	2901/204	Petroleum Geochemistry	3 hrs
	567.	2901/304	Geographic Information Science (GIS)	3 hrs
	568.	2910/304	Management of Natural Resources and Community Development	3 hrs
	569.	2913/105	Food Engineering I	3 hrs
	570.	2913/205	Food Engineering II	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	571.	2913/305	Food Engineering III & Technology of Specific Products II	3 hrs
	572.	2914/105	Animal Husbandry, Museum and Herbarium Techniques	3 hrs
	573.	2915/105	Physical Chemistry I and Chemical Analytical Methods I	3 hrs
	574.	2914/205	Parasitology and Histology	3 hrs
	575.	2915/205	Physical Chemistry II	3 hrs
	576.	2915/305	Physical Chemistry III	3 hrs
	577.	3301/215	Survey Adjustments	3 hrs
	578.	3302/215	Photogrammetric Data Processing	3 hrs
	579.	3303/215	Cartographic Communication & Map Design	3 hrs
	580.	3402/204	Education Policy, Planning and Curriculum Management	3 hrs
	581.	4080/201	Physical Chemistry	3 hrs
	582.	4082/201	Animal Physiology I	3 hrs
	583.	4089/201	Food Engineering Systems	3 hrs
8.00 A.M. DAY 7 TUESDAY 9TH FEBRUARY, 2021				
1ST MORNING SESSION				
TUESDAY 9TH FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 7	584.	1080/214	Mechanics of Machines	3 hrs
	585.	1401/314	Material Science	3 hrs
	586.	1403/314	Food Processing and Preservation II	3 hrs
	587.	1404/314	Footwear Goods Production	3 hrs
	588.	1405/314	Agricultural Extension Education & Home Economics	3 hrs
	589.	1406/314	Laundry Theory	3 hrs
	590.	1408/314	Biology Techniques	3 hrs
	591.	1409/314	Fisheries Management, Marketing & Utilization	3 hrs
	592.	1410/204	Human Growth, Development & Community Health	3 hrs
	593.	1411/314	Press Operations & Maintenance	3 hrs
	594.	1412/315	Medical Laboratory Technology Practice	4 hrs
	595.	1819/202	Laundry, Catering and Accommodation Premises Theory	3 hrs
	596.	1901/105	Engineering Drawing	3 hrs
	597.	2201/303 2203/303 2206/303	Microprocessor Systems	3 hrs
	598.	2204/303	Electrical Power Systems	3 hrs
	599.	2205/303	Microprocessor Systems	3 hrs
	600.	2207/303	Communication & Navigation System	3 hrs
	601.	2208/302	Medical Electronics	3 hrs
	602.	2406/202	Laundry and Dry Cleaning Theory	3 hrs
	603.	2413/304	Thermodynamics and Fluid Mechanics	3 hrs
	604.	2416/303 2417/303 2418/303	Graphic Reproduction	3 hrs
	605.	2419/304	Principles of Accounting & Management	3 hrs
	606.	2521/304 2601/304	Power Electronics, Machines and Utilization	3 hrs
	607.	2601/104 2602/104 2603/104	Engineering Drawing , Materials and Workshop Technology	3 hrs
	608.	2602/304	Electromagnetic Field Theory & Communication Systems	3 hrs
	609.	2603/304	Electromagnetic Field Theory & Networking	3 hrs
	610.	2705/104 2707/104 2709/104 2710/104	Surveying I and Workshop Technology (Mechanical)	3 hrs
	611.	2802/104	Food and Beverage Service Theory	3 hrs
	612.	2802/204 2819/204	Food Production Management Theory	3 hrs
	613.	2805/301	Care for Children with Special needs, Guidance, Mentorship and Self-care.	3 hrs
	614.	2901/105	Petroleum Geology and Exploration Techniques	3 hrs
	615.	2902/301	Theories Of Addiction Counseling	3 hrs
	616.	2902-09/103	Theories of Counselling I and Counselling skills	3 hrs
	617.	2902-09/201	Theories of Counselling II and Personal Development II	3 hrs
	618.	2903/301	Growth and Development	3 hrs
	619.	2904/301	Theories and Practice Of Disaster Management and Crisis Intervention	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	620.	2905/301	Theories, Process and Practice	3 hrs
	621.	2906/301	Human Development and Establishing Guidance and Counseling.	3 hrs
	622.	2907/301	Theories and Practice In Marriage and Family Therapy	3 hrs
	623.	2908/301	Introduction To Persons With Special Needs and Disabilities	3 hrs
	624.	2909/301	Christian Sacred Writings I & II (Old And New Testament) and Spirituality and Counselling	3 hrs
	625.	2913/301	Product Development, Industrial Organization & Management	3 hrs
	626.	2915/106	Analytical Chemistry Practical I	4 hrs
	627.	2920/104	Baking I Theory	3 hrs
	628.	2920/203	Baking II Theory (Bread & Confectionery)	3 hrs
	629.	2920/304	Baking III Theory (Bread and Confectionery)	3 hrs
	630.	3080/204 3082/204	Site Organisation, Administration and Work Study	3 hrs
	631.	3084/204	Irrigation Engineering	3 hrs
	632.	3301/213	Geophysics	3 hrs
	633.	3302/213	Remote Sensing	3 hrs
	634.	3303/213	Geography	3 hrs
	635.	3402/104	Communication, Marketing and Public Relations	3 hrs
11.30 A.M. DAY 7 TUESDAY 9TH FEBRUARY, 2021				
2ND MORNING SESSION				
TUESDAY 9TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 7	636.	1904/105	Biology Techniques I	3 hrs
	637.	1904/205	Biology Techniques II	3 hrs
	638.	1905/105	Introduction to Nutrition and Dietetics, Introduction to Nutrition Care Process and Principles of Human Nutrition	3 hrs
	639.	1905/205	Food Products for Invalids and Convalescents, Introduction to Behavioural Sciences and Nutrition Anthropology	3 hrs
	640.	2081/205 2082/205	Digital Electronics	3 hrs
	641.	2301/302 2302/302 2304/302	Hydraulics	3 hrs
	642.	2310/302 2311/302 2312/302 2313/302	Management	3 hrs
	643.	2403/302	Food Chemistry	3 hrs
	644.	2404/303	Microbiology, Parasitology & Immunology	3 hrs
	645.	2405/302	Applied Economics	3 hrs
	646.	2407/302	Haematology & Immuno-Haematology	3 hrs
	647.	2411/302	Inorganic Chemistry	3 hrs
	648.	2420/303	Principles & Pract. of Mgmt & Mktg; Legal Aspect of bakery Ind.	3 hrs
	649.	2425/102	Principles of Animal Production	3 hrs
	650.	2425/202	Animal Production II	3 hrs
	651.	2425/302	Animal Production III	3 hrs
	652.	2426/103A 2427/102	Legal Aspects of Dietetics & Communication Skills	3 hrs
	653.	2426/203A	Human Psychology & Computer Applications	3 hrs
	654.	2426/303 2427/303	Principles of Accounts and Practice of Management	3 hrs
	655.	2427/202	Human Psychology	3 hrs
	656.	2428/104	Communication Skills & Information Technology	3 hrs
	657.	2428/204	Statistics	3 hrs
	658.	2429/304 A	Pharmaceutical Chemistry Theory	3 hrs
	659.	2501/105	Structural Fabrication Technology, Material and Metallurgy I	3 hrs
	660.	2501/205	Structural Fabrication Technology, Materials and Metallurgy II	3 hrs
	661.	2501/301 2502/301 2503/301 2508/301 2509/301	Computer Aided Drawing	3 hrs
	662.	2502/206	Building Services, Machine Installation, Refrigeration, Air conditioning and Ventilation	3 hrs
	663.	2503/105	Vehicle Technology	3 hrs
	664.	2503/205	Engines Technology and Bodywork	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	665.	2504/105	General Ship Knowledge	3 hrs
	666.	2504/205	Maritime Conventions	3 hrs
	667.	25041/105	Seamanship and Meteorology	3 hrs
	668.	25041/205	Cargo handling and stowage	3 hrs
	669.	25041/305	Ship masters business and law	3 hrs
	670.	2505/105	Ship Construction and Naval Architecture I	3 hrs
	671.	2505/205	Marine Mechanical Technology I	3 hrs
	672.	2505/305	Marine Mechanical Technology II	3 hrs
	673.	25051/105	Ship Construction	3 hrs
	674.	25051/205	Applied Mechanics	3 hrs
	675.	25051/305	Applied Thermodynamics and Fluid Mechanics	3 hrs
	676.	2506/105 2507/105	Workshop Technology and Life Skills	3 hrs
	677.	2506/205	Aircraft Mechanical Technology I	3 hrs
	678.	2506/305	Aircraft Mechanical Technology II	3 hrs
	679.	2507/205	Measurement Technology	3 hrs
	680.	2507/305	Electromagnetic Field Theory	3 hrs
	681.	2508/105	Fabrication and Welding Technology, Materials and Metallurgy I	3 hrs
	682.	2508/205	Fabrication and Welding Technology, Materials and Metallurgy II	3 hrs
	683.	2509/105	Engine and Construction Plant I Technology I	3 hrs
	684.	2509/205	Vehicle and Construction Plant Technology II	3 hrs
	685.	2521/204 2601/204 2602/204 2603/204	Engineering Drawing and Circuit Analysis	3 hrs
	686.	2525/105 2921/105	Agricultural Engineering I	3 hrs
	687.	2525/205 2921/205	Agricultural Engineering II	3 hrs
	688.	2525/303 2921/303	Agricultural engineering III	3 hrs
	689.	2528/105 2922/105	Human Ecology and Economics	3 hrs
	690.	2528/205 2922/205	Environmental Resource Management and Economics	3 hrs
	691.	2910/105	Agricultural Engineering I	3 hrs
	692.	2910/205	Agricultural Engineering II	3 hrs
	693.	2910/305	Rural Sociology and Community Health	3 hrs
	694.	2916/103	Diet Therapy I, Meal Planning & Management and Principles of Human Nutrition Practice	3 hrs
	695.	2916/203	Diet Therapy II and Nutrition in the Lifespan Theory	3 hrs
	696.	2916/303	Diet Therapy III and Nutrition Education and Counselling Theory	3 hrs
	697.	4080/205	Instrumentation I	3 hrs
	698.	4082/205	Microbiology I	3 hrs
	699.	4089/205	Food Microbiology	3 hrs
8.00 A.M. DAY 8 WEDNESDAY 10TH FEBRUARY, 2021				
1ST MORNING SESSION				
WEDNESDAY 10TH FEBRUARY, 2021 1ST MORNING SESSION 8.00 A.M. DAY 8	700.	1080/215	Applied Thermodynamics	3 hrs
	701.	1401/315	Production Techniques	3 hrs
	702.	1405/315	Agricultural Engineering (Theory)	3 hrs
	703.	1406/315	Front Office Operations Theory	3 hrs
	704.	1408/315	Science Laboratory Practice (Practical)	4 hrs
	705.	1410/205	Sociology, Research Methods & Comm. Skill	3 hrs
	706.	1412/314	Clinical Chemistry	3 hrs
	707.	1504/105	Marine Engineering & Environment Protection	3 hrs
	708.	15041/105	General Marine Engineering Knowledge	3 hrs
	709.	15041/205	Watch keeping Practices and Meteorology	3 hrs
	710.	1505/105	Marine Engineering & Environment Protection	3 hrs
	711.	15051/105	Technical Drawing and Workshop Technology I	3 hrs
	712.	15051/205	Marine Electronic	3 hrs
	713.	1704/103	Building Construction I and Drawing	3 hrs
	714.	1704/203	Building Construction II & CAD	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	715.	1901/106	Economics	3 hrs
	716.	1903/105	Food Processing and Preservation I	3 hrs
	717.	2080/205	Electrical Power Supply	3 hrs
	718.	2081/206 2083/205	Industrial Electronics	3 hrs
	719.	2201/302	Industrial Electronics	3 hrs
	720.	2208/303	Clinical Engineering I	3 hrs
	721.	2306/304	Measurement of Building and Civil Engineering Works	3 hrs
	722.	2309/304	Measurement Specs. & Costing	3 hrs
	723.	2313/304	Print Origination	3 hrs
	724.	2416/304	Illustration, Packing & Model Making	3 hrs
	725.	2417/304 2418/304	Multimedia Crafts & Draughtsmanship	4 hrs
	726.	2422/303 2423/303 2424/303	Graphic Design	3 hrs
	727.	2425/103	Agricultural Economics I and Extension Education	3 hrs
	728.	2425/203	Agricultural Economics II, Extension & Home Economics	3 hrs
	729.	2425/303	Farm Business Management & Extension	3 hrs
	730.	2429/305	Pharmacy Practice and Dispensing/Compounding	4 hrs
	731.	2521/205 2601/205	Electrical Power Generation, Transmission & Protection	3 hrs
	732.	2521/305 2601/305	Electrical Power Systems and Electro Magnetic Field Theory	3 hrs
	733.	2601/105 2602/105 2603/105	Electrical Science & Solar Installation Technology	3 hrs
	734.	2602/205	Telecommunication Principles and industrial Measurements	3 hrs
	735.	2602/305	Data Communication & Networking	3 hrs
	736.	2603/205	Instrumentation Systems and Industrial Measurement	3 hrs
	737.	2603/305	Industrial Measurements II & Industrial Electronics	3 hrs
	738.	2805/105	Introduction to Accounting	3 hrs
	739.	2805/305	Financial management	3 hrs
	740.	2819/104	Accommodation Operations Theory	3 hrs
	741.	2819/201	Accommodation Operations Management I & Law Theory	3 hrs
	742.	2819/301	Accommodation Operations Management II theory	3 hrs
	743.	2901/205	Earth science & Wave Theory	3 hrs
	744.	2901/305	Remote Sensing	3 hrs
	745.	2915/306	Analytical Chemistry Practical III	4 hrs
	746.	3080/202	Construction Technology Paper I	3 hrs
	747.	2920/201	Accounting and Legal aspects	3 hrs
	748.	3081/204	Concrete and Timber Technology	3 hrs
	749.	3082/202	Construction Tech. Concrete Tech & Mechanical Plant	3 hrs
	750.	3083/204	Engineering Surveying	3 hrs
	751.	3084/202	Fluid Mechanics & Hydraulic Machines	3 hrs
	752.	3402/103	Financial Management of Education Institutions	3 hrs
	753.	3402/202	Entrepreneurship Education and Project Management	3 hrs
	754.	4080/206	Instrumentation II	3 hrs
	755.	4082/206	Microbiology II	3 hrs
	756.	4089/206	Food Ingredients, Pest Control & Entomology	3 hrs
11.30 A.M. DAY 8 WEDNESDAY 10TH FEBRUARY, 2021				
2ND MORNING SESSION				
WEDNESDAY	757.	1504/204	Navigation	3 hrs
	758.	15041/204	Terrestrial and Coastal Navigation	3 hrs
	759.	1801/104	Textile Material Knowledge and Fabric Colouration Theory	3 hrs
	760.	1804/104	Child Growth and Development	3 hrs
	761.	1804/204	Family Reintegration and Community Empowerment	3 hrs
	762.	1904/104	Chemistry Techniques I	3 hrs
	763.	1904/204	Chemistry Techniques II	3 hrs
	764.	1905/104	Food Science, Food Safety and Hygiene, Meal Planning Management and Service Theory	3 hrs
	765.	1905/204	Diet Therapy (Theory), Nutrition in HIV& AIDS and Management of Malnutrition	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
10 TH FEBRUARY, 2021 2 ND MORNING SESSION 11.30 A.M. DAY 8	766.	2101/304	Engineering Drawing & Design	3 hrs
	767.	2102/304	Plant & Work Services Drawing	3 hrs
	768.	2103/304 2104/304 2105/304	Engineering Drawing & Sketching	3 hrs
	769.	2106/304	Engineering Drawing, Pattern Dev. & Design	3 hrs
	770.	2107/304	Flight Mechanics	3 hrs
	771.	2108/304	Engineering Drawing and Design	3 hrs
	772.	2205/304	Quantitative Techniques	3 hrs
	773.	2206/304	Measurement Systems	3 hrs
	774.	2207/304	Digital Principles & Microprocessors	3 hrs
	775.	2305/304	Building Technology & Drawing	3 hrs
	776.	2307/304	Soil Mechanics & Hydraulics	3 hrs
	777.	2308/304	Soil Mechanics & Hydraulics	3 hrs
	778.	2310/304 2312/304	Cartography	3 hrs
	779.	2401/304	Textile Science	3 hrs
	780.	2402/304	Principles of Accounts	3 hrs
	781.	2403/304	Food Microbiology	3 hrs
	782.	2404/304	Biochemistry, Anatomy & Physiology	3 hrs
	783.	2405/304	Applied Statistics	3 hrs
	784.	2407/304	Immunology	3 hrs
	785.	2411/304	Chemical Analytical Methods and Biochemistry	3 hrs
	786.	2501/106	Tool Room Process Technology I	3 hrs
	787.	2501/206	Tool Room Processes Technology II and Metrology	3 hrs
	788.	2502/106 2503/106 2509/106	Materials and workshop Technology	3 hrs
	789.	25041/206	Watch keeping practices (Theory)	3 hrs
	790.	2505/106	Marine Engineering and Environmental Protection	3 hrs
	791.	2505/206	Maritime Law	3 hrs
	792.	25051/106	General Marine and Motor Engineering knowledge I	3 hrs
	793.	25051/206	General Marine and Motor Engineering knowledge II	3 hrs
	794.	2506/106 2507/106	Airframe Structures, Airfield Safety and Procedures	3 hrs
	795.	2506/206	Airframe Systems I	3 hrs
	796.	2506/306 2507/306	Data and Computer Networks	3 hrs
	797.	2507/206	Communication and Telecommunication Systems	3 hrs
	798.	2508/106	Metal Technology and Joining Processes I	3 hrs
	799.	2508/206	Metal Technology and Joining Processes II	3 hrs
	800.	2508/306	Welding Processes	3 hrs
	801.	2805/204	Child and Adolescent Counselling and Family Care for Children	3 hrs
	802.	2902/304	Psychoactive Substances and Comorbidity	3 hrs
		2902-09/104	Contextual, Ethical and Legal Issues in Counselling	3 hrs
	803.	2902-09/204	Abnormal Behaviour and Psychological Testing	3 hrs
	804.	2903/304	Guidance and Counselling Techniques and Psychological Assessment	3 hrs
	805.	2904/304	Disaster, Stress and Conflict Management	3 hrs
	806.	2905/304	HIV Management	3 hrs
	807.	2906/304	Introduction to and Practice of Guidance and Counselling and Mental Health.	3 hrs
	808.	2907/304	Sociology and Trends In Marriage and Family Therapy	3 hrs
	809.	2908/304	Contextual Issues and Personal Development	3 hrs
	810.	2909/304	Christian Counselling Theories, Biblical Doctrine, Major World Religions and African Traditional Religions	3 hrs
	811.	2913/104	Agricultural Production and General Microbiology	3 hrs
	812.	2913/204	Food Processing and Preservation I	3 hrs
	813.	2913/303	Food Processing and Preservation II	3 hrs
	814.	2914/104	Taxonomy, Cytology and Microbiology	3 hrs
	815.	2915/104	Organic and Inorganic Chemistry I	3 hrs
	816.	2914/204	Biochemistry and Genetics	3 hrs
	817.	2915/204	Organic and inorganic Chemistry II	3 hrs
	818.	2914/304	Immunology and Biochemistry	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	819.	2916/201	Basic Biochemistry and Introduction to Biostatistics.	3 hrs
	820.	2916/301	Food Microbiology, Parasitology and Food Security	3 hrs
8.00 A.M. DAY 9 THURSDAY 11TH FEBRUARY, 2021				
1st MORNING SESSION				
THURSDAY 11TH FEBRUARY 2021 1st MORNING SESSION 8.00 A.M. DAY 9	821.	1202/313	Electrical Installation Technology	3 hrs
	822.	1204/315	Electronic Technology	3 hrs
	823.	1301/313 1304/313 1305/313	Site & Workshop Management	3 hrs
	824.	1308/313	Work Planning & Management	3 hrs
	825.	1309/313	Site Management	3 hrs
	826.	1314/103	Construction Technologies I	3 hrs
	827.	1314/203	Irrigation and Drainage	3 hrs
	828.	1401/313	Garment Designing, Cutting & Making Theory	3 hrs
	829.	1402/313	Food & Beverage Service Theory	3 hrs
	830.	1403/313	Food Processing & Preservation I	3 hrs
	831.	1404/313	Leather Goods Production	3 hrs
	832.	1405/313	Agricultural Economics & Farm Management	3 hrs
	833.	1406/313	Housekeeping & Maintenance Theory	3 hrs
	834.	1408/313	Chemistry Techniques	3 hrs
	835.	1409/313	Food Chemistry, Microbiology & Engineering	3 hrs
	836.	1410/203	Project Dev., Management, Econ. & Admin.	3 hrs
	837.	1411/313	Surface Preparations	3 hrs
	838.	1412/313	Parasitology & Histology	3 hrs
	839.	1801/103	Workshop Organisation Management and General Information	3 hrs
	840.	1802/103	Food and Beverage Production Theory	3 hrs
	841.	1802/203	Food and Beverage Service and Sales Theory	3 hrs
	842.	1804/103	Child Health and Safety	3 hrs
	843.	1804/203	Case Management, Discipline and Behaviour Management	3 hrs
	844.	1819/103	Food & Beverage Production and Control Theory	3 hrs
	845.	1901/103	Environmental Health, Safety, Legal and Policy Framework	3 hrs
	846.	1901/203	Petroleum Geology & The Fundamentals of Petroleum Exploration & Production	3 hrs
	847.	1903/103	Agricultural Production and Microbiology	3 hrs
	848.	1903/203	Food Engineering II	3 hrs
	849.	1904/103	Physics Techniques I	3 hrs
	850.	1904/203	Physics Techniques II	3 hrs
	851.	1905/103	Food Science, Food Safety and Hygiene, Meal Planning Management and Service Practice.	3 hrs
	852.	1905/203	Diet Therapy and Demonstration Techniques Practice	3 hrs
	853.	2080/202 2081/202 2082/202 2083/202 1080/212	Industrial Org. & Management	3 hrs
	854.	2101/302 2102/302 2103/302 2104/302 2105/302 2106/302 2107/302 2108/302	Industrial Organisation & Management	3 hrs
	855.	2201/305 2203/305 2204/305 2206/305 2208/305	Industrial Organisation & Management	3 hrs
	856.	2205/305	Industrial Org. & Management	3 hrs
	857.	2207/305	Industrial Org. & Management	3 hrs
	858.	2209/102	Computer Applications	3 hrs
	859.	2209/202	Programming I	3 hrs
	860.	2209/302	Data Communications	3 hrs
	861.	2913/106	Applied Science and Microbiology Practical	4 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
11.30 A.M. DAY 9 THURSDAY 11TH FEBRUARY, 2021				
2ND MORNING SESSION				
THURSDAY 11TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 9	862.	2301/304 2302/304	Surveying	3 hrs
	863.	2304/304	Photogeology	3 hrs
	864.	2305/302 2307/302 2308/302	Surveying	3 hrs
	865.	2306/302	Surveying	3 hrs
	866.	2309/302	Construction Technology & Services	3 hrs
	867.	2401/305	Industrial Org. & Management	3 hrs
	868.	2413/302	Industrial Org. & Management	3 hrs
	869.	2501/102 2502/102 2503/102 2508/102 2509/102	Mechanical Science & Electrical Principles	3 hrs
	870.	2501/202 2502/202 2503/202 2508/202 2509/202	Strength of Materials and Mechanics of Machines	3 hrs
	871.	2501/302 2503/302 2508/302 2509/302	Control Systems and Instrumentation	3 hrs
	872.	2502/302	Control Systems and Automation	3 hrs
	873.	2504/102	Marine Engineering & Construction Theory	3 hrs
	874.	2504/202	Ship Construction and Cargo Work II	3 hrs
	875.	2504/301	Marine Law and Management	3 hrs
	876.	25041/102	Ship construction	3 hrs
	877.	25041/202	Ship stability	3 hrs
	878.	25041/302	Marine Technology	3 hrs
	879.	2505/102	Marine Electrical and Electronics Technology	3 hrs
	880.	2505/202	Maritime Electronics Technology	3 hrs
	881.	2505/302	Marine Electrical, Instrumentation and Control Technology	3 hrs
	882.	25051/102	Marine Electrical Technology I	3 hrs
	883.	25051/202	Marine Instrumentation and Control Engineering	3 hrs
	884.	25051/302	Marine Electrical Technology, Instrumentation and Control Systems	3 hrs
	885.	2506/102 2507/102	Aircraft Electrical Technology	3 hrs
	886.	2506/202 2507/202	Electronics and Control Systems	3 hrs
	887.	2506/302	Flight Mechanics	3 hrs
	888.	2507/302	Micro Controllers Technology	3 hrs
	889.	2521/103	Engineering Science and Drawing	3 hrs
	890.	2521/203 2601/202 2602/202 2603/202	Digital and Analogue Electronics	3 hrs
	891.	2521/302 2601/302 2602/302 2603/302	Microcontrollers and Microprocessor Systems	3 hrs
	892.	2528/103 2922/103	Environmental Biology	3 hrs
	893.	2528/203 2922/203	Environmental Microbiology	3 hrs
	894.	2528/303 2922/303	Environmental Biochemistry and toxicology	3 hrs
	895.	2601/102 2602/102 2603/102	Physical, Mechanical Science and Electrical Principles	3 hrs
	896.	2705/203	Construction Management I and Workshop Technology II	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	897.	2705/303 2709/303 2710/303	Building Construction, Drawing III and Services	3 hrs
	898.	2707/203	Construction Management I, Workshop Technology II & Water Supply	3 hrs
	899.	2707/303	Building Construction III and Transportation Engineering II	3 hrs
	900.	2709/203 2710/203	Building Construction II, Workshop Technology II	3 hrs
	901.	2802/102	Catering Premises, Equipment and Mathematics	3 hrs
	902.	2802/202	Nutrition, Diet Therapy and Home Nursing	3 hrs
	903.	2802/302 2920/302	Sales and marketing	3 hrs
	904.	2803/102	Textile Science and Clothing Construction I Theory	3 hrs
	905.	2803/202	Textile Science II and Clothing Construction II Theory	3 hrs
	906.	2803/302	Clothing Construction III Theory	3 hrs
	907.	2805/102	Child Growth development and Psychology	3 hrs
	908.	2805/203	Children in Juvenile Justice Systems and Behaviour Modification.	3 hrs
	909.	2805/304	Principles and Practices of Management	3 hrs
	910.	2819/102	Food & Beverage Production, Nutrition & Mathematics	3 hrs
	911.	2819/202	Diet Therapy, Hospitality Accounting & Control II Theory	3 hrs
	912.	2901/103	Engineering Drawing, W/Shop Technology, Environmental Health and Safety management	3 hrs
	913.	2901/203	Rocks, Fluids & Reservoir Geophysics	3 hrs
	914.	2901/303	Petroleum Exploration & Drilling	3 hrs
	915.	2910/103	Crop Enterprise Management I and Foundations of Sustainable Agriculture	3 hrs
	916.	2910/303	Development economics and Agricultural marketing	3 hrs
	917.	2913/203	Technology of Specific Products I	3 hrs
	918.	2914/103 2915/103	Laboratory and Workshop Practice I	3 hrs
	919.	2914/203	Ecology and Plant Husbandry	3 hrs
	920.	2915/203	Chemical Analytical Methods II and Biochemical Techniques	3 hrs
	921.	2914/303	Soil Science, Aquarium and Vivarium Techniques	3 hrs
	922.	2915/303	Industrial Chemistry II and Quality Assurance	3 hrs
	923.	2920/102	Food Science and Nutrition	3 hrs
	924.	3080/201 3081/201 3082/201 3083/201	Mathematics	3 hrs
	925.	4080/207 4082/207 4089/207	Management and Statistics	3 hrs
8.00 A.M. DAY 10 FRIDAY 12TH FEBRUARY, 2021				
1ST MORNING SESSION				
FRIDAY 12TH FEBRUARY 2021 1ST MORNING SESSION 8.00 A.M. DAY 10	926.	2080/203 2081/203 2082/203 2083/203	Electrical Measurements	3 hrs
	927.	2301/301 2302/301 2304/301	Mathematics	3 hrs
	928.	2305/301 2306/301 2307/301 2308/301 2309/301	Mathematics	3 hrs
	929.	2310/301 2311/301 2312/301 2313/301	Mathematics	3 hrs
	930.	2405/301	Mathematics	3 hrs
	931.	2416/306	Publication Design	3 hrs
	932.	2417/306	Painting Art	3 hrs
	933.	2426/102 2427/101B	Nutrition, Community Health & Diet Therapy I Theory	3 hrs
	934.	2422/304	Graphic Reproduction	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	935.	2423/304	Proofing & Surface Preparation	3 hrs
	936.	2424/304	Finishing Binding and Ancillary operations	3 hrs
	937.	2426/202 2427/201B	Nutrition & Diet Therapy II Theory	3 hrs
	938.	2521/102 2601/103 2602/103 2603/103	Engineering Mathematics I	3 hrs
	939.	2521/201 2601/203 2602/203 2603/203	Engineering Mathematics II	3 hrs
	940.	2521/301 2601/303 2602/303 2603/303	Engineering Mathematics III	3 hrs
	941.	2710/106	Architectural Communication and Technical Drawing	3 hrs
	942.	2710/206	Architectural Design and Landscaping	4 hrs
	943.	2802/304 2819/304	Food and Beverage Service and Sales Management Theory	3 hrs
	944.	2803/104	Pattern Construction I Practical	4 hrs
	945.	2803/204	Pattern Construction II and Grading techniques I Practical	4 hrs
	946.	2803/304	Pattern Construction III and Grading techniques II Practical	4 hrs
	947.	2805/104	Child Health Care and Nutrition	3 hrs
	948.	2805/205	Community Development in Child care and Protection	3 hrs
	949.	2916/102	Mathematics and Physical Science	3 hrs
	950.	2916/202	Diet Therapy II and Nutrition in the Lifespan Practice	3 hrs
	951.	2916/302	Diet Therapy III and Nutrition Education and Counselling Practice	3 hrs
	952.	3301/211 3302/211 3303/211	Mathematics	3 hrs
11.30 A.M. DAY 10 FRIDAY 12TH FEBRUARY, 2021				
2ND MORNING SESSION				
FRIDAY 12TH FEBRUARY 2021 2ND MORNING SESSION 11.30 A.M. DAY 10	953.	1501/103 1508/103 1509/103	Mathematics I	3 hrs
	954.	1501/203 1508/203 1509/203	Mathematics II and Mechanical Science II	3 hrs
	955.	1503/103	Mathematics I	3 hrs
	956.	1503/203	Mathematics II	3 hrs
	957.	1504/103 1505/103	Mathematics & Applied Science I	3 hrs
	958.	1504/203 1505/203	Mathematics & Applied Science II	3 hrs
	959.	15041/103 15051/103	Mathematics I and Applied science I	3 hrs
	960.	15041/203	Mathematics II	3 hrs
	961.	15051/203	Mathematics II and Applied science II	3 hrs
	962.	1521/103	Electrical and Electronic Technology	3 hrs
	963.	1521/203 1522/203 1601/203 1602/203	Mathematics II	3 hrs
	964.	1601/103 1602/103	Mathematics I	3 hrs
	965.	1704/102	Mathematics I and Physical Science	3 hrs
	966.	1704/202	Mathematics II	3 hrs
	967.	1507/111 1907/103	Baking & Confectionary Making I Theory	3 hrs
	968.	1507/211 1907/203	Baking & Confectionary Making II Theory	3 hrs
	969.	1819/201	House Keeping and Front office Theory	3 hrs
	970.	2404/302	Cytology, Histology & Genetics	3 hrs
	971.	2406/102	House Keeping Management Theory	3 hrs

DATE		PAPER CODE	PAPER NAME	DURATION
	972.	2406/301	Front Office Theory	3 hrs
	973.	2420/202	Bread Making & Flour Conf. Theory II	3 hrs
	974.	2420/302	Bread Making & Flour Conf. Theory III	3 hrs
	975.	2428/102	Development Economics & Entrepreneurship Education	3 hrs
	976.	2428/202	Resource Management HIV/AIDS	3 hrs
	977.	2428/302	Counselling Psychology, Social Rehab. & Reintegration	3 hrs
	978.	2428/305	Community Concerns & Dev. Methodologies	3 hrs
	979.	2429/302	Drug Supply Management	3 hrs
	980.	2525/103 2921/103	Crop Enterprise Management I	3 hrs
	981.	2525/202 2921/202	Crop Enterprise Management II	3 hrs
	982.	2525/302 2921/302	Agro Processing and Value Addition	3 hrs
	983.	2830/103	Introduction To Textile Technology, Spinning Preparation and Quality Control	3 hrs
	984.	2830/203	Industrial Organisation and Management and Quality Control in Knitting and Weaving	3 hrs
	985.	2830/304	Industrial Organization and Management II	3 hrs
	986.	3080/203	Construction Technology Paper II	3 hrs
	987.	3081/202	Structures I	3 hrs
	988.	3082/203 3084/203	Structures Including Highways Eng.	3 hrs
	989.	3083/202	Highway Engineering I	3 hrs
	990.	3301/212 3302/212 3303/212	Land Law, Environment, Physical, Planning Studies & GIS	3 hrs
	991.	3402/102	Management of Human Resources and Guidance and Counselling	3 hrs
	992.	3402/203	Research in Education and Training	3 hrs
	993.	3402/203	Research in Education and Training	3 hrs

3.0 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 that candidates are aware of the penalties for irregularities or misconduct. Candidates are required to follow these instructions carefully.

4.0 GENERAL INSTRUCTIONS TO CANDIDATES

- 4.1 Be at your seat in the Examination Room five minutes before the time fixed for the examination in the various papers. First morning sessions will normally start at 8.00 a.m. and the 2nd morning sessions will start at 11.30 a.m.
- 4.2 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.
- 4.3 If an examination paper for which you are not registered for 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.
- 4.4 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.
- 4.5 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.
- 4.6 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.
- 4.7 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.
- 4.8 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.

- 4.9 Read the questions carefully. A lot of time may be wasted in writing down information that is not asked for and no marks are given for it.
- 4.10 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.
- 4.11 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.
- 4.12 Withdrawal from the examination should have been notified to the Council before any papers of the examination are taken.

5.0 CAUTION TO THE CANDIDATES

- 5.1 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.**
- 5.2 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.
- 5.3 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.
- 5.4 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.
- 5.5 You must return immediately to the Supervisor any incorrect question paper given to you.
- 5.6 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.
- 5.7 Disorderly conduct or the causing of disturbance in or near the examination will be treated as a serious examination irregularity.
- 5.8 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.

6.0 PENALTY FOR IRREGULARITIES

- 6.1 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:
- 6.2 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.
- 6.3 If there is evidence of wide-spread 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