



THE KENYA NATIONAL EXAMINATIONS COUNCIL

KNEC/GEN/TD/PSE/TEC/TT/23

2023 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 sessions examinations will start at 8.00 a.m.**
- 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 2023

2.1 PRACTICAL & PROJECT PAPERS

DATE		PAPER CODE	PAPER NAME	DURATION
PLANNING WEDNESDAY 12TH JULY, 2023				
ONE DAY ONLY				
PLANNING WEDNESDAY 12TH JULY 2023 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 17TH JULY 2023				
START OF PRACTICAL PAPERS MONDAY 17TH JULY 2023	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

DATE	PAPER CODE	PAPER NAME	DURATION
	30. 0405/211	Trade Practice	9 hrs
	31. 0501/103	Metal Processing Technology Practice I	9 hrs
	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
	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

**LAST DAY OF
PRACTICAL
PAPERS**

**FRIDAY
28TH JULY
2023**

DATE	PAPER CODE	PAPER NAME	DURATION
	89. 1507/213 1907/204	Bread & Confectionery Making II Practice	6 hrs
	90. 1508/106	Welding and Fabrication Trade Practice I	18 hrs
	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. 1805/108/2	Kenyan Sign language- Expressive skills (Practical) {15 minutes per candidate}	15 Minutes Each
	106. 1819/106	Food & Beverage Service Practical	3 hrs
	107. 1819/203	House Keeping Practical	5 hrs
	108. 1819/204	Laundry Practical	5 hrs
	109. 1903/106	Food Processing and Preservation I Practical	6 hrs
	110. 1903/205	Food Processing and Preservation II Practical	6 hrs
	111. 1906/106	Sustainable Ecological Agriculture Trade Practice I	6 hrs
	112. 1906/206	Sustainable Ecological Agriculture Trade Practice II	6 hrs
	113. 1908/106	Trade Practice	6 hrs
	114. 1908/205	Trade Practice II	6 hrs
	115. 2401/302	Garment Cutting and Making Practical	6 hrs
	116. 2402/301 2419/301	Food & Beverage Management Practice	6 hrs
	117. 2406/101	House Keeping Management Practice	5 hrs
	118. 2406/201	Laundry and Dry Cleaning Practice	5 hrs
	119. 2419/305	Accommodation Management Practice	4 hrs
	120. 2420/201A	Bread Making Practice II	8 hrs
	121. 2420/201B	Flour & Confectionery Practice II	6 hrs
	122. 2420/301	Bread Making & Flour Confectionery Practice III	12 hrs
	123. 25041/106	Navigation safety and ship maintenance practical	12 hrs
	124. 2801/105	Housekeeping Practice	4 hrs
	125. 2801/106	Laundry Practice	4 hrs
	126. 2802/105 2819/105/1	Food and Beverage Production Practical	6 hrs
	127. 2802/106 2819/105/2	Food and Beverage Service Practical	3 hrs
	128. 2802/205 2819/205	Food Production Management Practice	5 hrs
	129. 2802/305 2819/305	Food and Beverage Service and Sales Management Practice	6 hrs
	130. 2803/105	Clothing Construction I Practical	6 hrs
	131. 2803/205	Clothing Construction II Practical	6 hrs
	132. 2803/305	Clothing Construction III Practical	6 hrs
	133. 2819/106	Accommodation Operations Practice	7 hrs
	134. 2819/203	Accommodation Operations Management I Practice (Laundry)	4 hrs
	135. 2819/302	Accommodation Operations Management II Practice (House Keeping)	6 hrs
	136. 2830/105	Spinning Machinery and Maintenance Practical	6 hrs
	137. 2830/205	Weaving and Knitting Machinery practical	6 hrs
	138. 2830/305	Quality Control, Analysis and Testing Practical	6 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		139.	2913/206	Food Processing I Practical	6 hrs
		140.	2913/306	Food Processing II Practical	6 hrs
		141.	2920/105	Baking I Practice (Bread)	6 hrs
		142.	2920/106	Baking I Practice (Confectionery)	6 hrs
		143.	2920/204	Baking II Practice (Bread)	6 hrs
		144.	2920/205	Baking II Practice (Confectionery)	6 hrs
		145.	2920/305	Baking III Practice (Bread)	8 hrs
		146.	2920/306	Baking III Practice (Confectionery)	8 hrs

2.2 WRITTEN PAPERS

SNo.	Paper Code	Paper Name	Duration
Day 1			
Monday, July 17, 2023			
1.	2301/303	Structures	3 hrs
2.	2302/303		
3.	2303/303	Hydrological Processes	3 hrs
4.	2304/303	Hydrogeology	3 hrs
5.	2305/303	Structures	3 hrs
6.	2307/303		
7.	2308/303		
8.	2311/303	Photogrammetry and Remote Sensing	3 hrs
9.	2312/303		
10.	2313/303	Cartography, Photogrammetry & Remote Sensing	3 hrs
11.	2403/303	Food Analysis	3 hrs
12.	2406/302	Communication Skills	3 hrs
13.	2416/301	Art Studio Organization & Management	3 hrs
14.	2417/301		
15.	2418/301		
16.	2422/301	Industrial Organization and Management	3 hrs
17.	2423/301		
18.	2424/301		
19.	2501/101	ICT, Communication skills and Entrepreneurship	3 hrs
20.	2502/101		
21.	2503/101		
22.	2508/101		
23.	2509/101		
24.	2601/101		
25.	2602/101		
26.	2603/101		
27.	2705/101		
28.	2707/101		
29.	2709/101		
30.	2710/101	Industrial Organisation and Management	3 hrs
31.	2501/201		
32.	2502/201		

33.	2503/201		
34.	2508/201		
35.	2509/201		
36.	2501/305	Production Line Processes and Foundry Technology	3 hrs
37.	2502/305	Power Production Systems	3 hrs
38.	2503/305	Auto Electrics and Electronics	3 hrs
39.	2508/305	Advanced Fabrication Technology	3 hrs
40.	2509/305	Construction Plant Technology and Practice III	3 hrs
41.	2504/101	Entrepreneurship and Communication Technology	3 hrs
42.	25041/101	Entrepreneurship and Communication Technology	3 hrs
43.	25051/101		
44.	2505/101	Entrepreneurship and Communication Skills	3 hrs
45.	2506/101	Entrepreneurship & Communication Technology	3 hrs
46.	2507/101		
47.	1314/101	Water Resources I	3 hrs
48.	1314/201	Water Resources II	3 hrs
49.	1412/315	Medical Laboratory Technology Practice	4 hrs
50.	1521/101	ICT Technical Drawing and Entrepreneurship	3 hrs
51.	1522/101		
52.	2080/202	Industrial Org. & Management	3 hrs
53.	2081/202		
54.	2082/202		
55.	2083/202		
56.	1080/212		
57.	2101/302	Industrial Organisation & Management	3 hrs
58.	2102/302		
59.	2103/302		
60.	2104/302		
61.	2105/302		
62.	2106/302		
63.	2107/302		
64.	2108/302		
65.	2201/305	Industrial Organisation & Management	3 hrs
66.	2203/305		
67.	2204/305		
68.	2206/305		
69.	2208/305		
70.	2205/305	Industrial Org. & Management	3 hrs
71.	2207/305	Industrial Org. & Management	3 hrs
72.	2521/101	ICT, Entrepreneurship, Life and Communication Skills	3 hrs
73.	1904/106	Science Laboratory Techniques practical I	4 hrs
74.	2306/305	Building Economics Construction Law, Estimating & Costing	3 hrs
75.	2309/305	History of Architecture	3 hrs
76.	2310/305	Remote Sensing	3 hrs
77.	2404/305	Animal and Plant Husbandry, Pharmacology, Toxicology, Entomology and plant Pathology	3 hrs
78.	2405/305	Elements of Accounts	3 hrs

79.	2407/305	Medical Microbiology	3 hrs
80.	2411/305	Instrumental Methods of Analysis	3 hrs
81.	2525/103	Crop Enterprise Management I	3 hrs
82.	2921/103		
83.	3084/207	Water and Waste Water Technology	3 hrs
84.	4080/204	Gravimetric, Volumetric and Biochemistry	3 hrs
85.	4082/204	Pharmacology & Toxicology II	3 hrs
86.	4083/204	Anatomy	3 hrs
87.	4086/204	Anatomy & Physiology II	3 hrs
88.	4087/204	Serology	3 hrs
89.	4089/204	Food Analysis	3 hrs
90.			
DAY 2			
Tuesday, July 18, 2023			
91.	2101/301	Mathematics	3 hrs
92.	2102/301		
93.	2103/301		
94.	2104/301		
95.	2105/301		
96.	2106/301		
97.	2107/301		
98.	2108/301		
99.	2201/301	Mathematics	3 hrs
100.	2203/301		
101.	2204/301		
102.	2206/301		
103.	2207/301	Mathematics	3 hrs
104.	2208/301	Mathematics	3 hrs
105.	2209/101	Introduction to Computers & Principles of Operating Systems	3 hrs
106.	2413/301	Mathematics	3 hrs
107.	2429/302	Drug Supply Management	3 hrs
108.	2501/103	Engineering Mathematics I	3 hrs
109.	2502/103		
110.	2503/103		
111.	2508/103		
112.	2509/103		
113.	2501/203	Engineering Mathematics II	3 hrs
114.	2502/203		
115.	2503/203		
116.	2508/203		
117.	2509/203		
118.	2501/303	Engineering Mathematics III	3 hrs
119.	2502/303		
120.	2503/303		
121.	2508/303		
122.	2509/303		
123.	2504/103	Mathematics I & Applied Science	3 hrs

124.	2505/103		
125.	2504/203	Engineering Mathematics I	3 hrs
126.	2505/203		
127.	2504/303	Ship Power Plant	3 hrs
128.	2505/303	Engineering Mathematics II	3 hrs
129.	2506/103	Engineering Mathematics I & Engineering Science I	3 hrs
130.	2507/103		
131.	2506/203	Engineering Mathematics II	3 hrs
132.	2507/203		
133.	2506/303	Engineering Mathematics III	3 hrs
134.	2507/303		
135.	2525/102	Applied Science I	3 hrs
136.	2910/102		
137.	2921/102		
138.	2525/201	Applied Science II	3 hrs
139.	2921/201		
140.	2525/305	Natural Resource Management	3 hrs
141.	2921/305		
142.	2528/102	Environmental Chemistry & Applied Science	3 hrs
143.	2922/102		
144.	2528/202	Environmental Pollution Control, Health and Safety	3 hrs
145.	2922/202		
146.	2528/302	Environmental waste Management EIA and Environmental Law	3 hrs
147.	2922/302		
148.	2705/102	Mathematics I and Physical Science	3 hrs
149.	2707/102		
150.	2709/102		
151.	2710/102		
152.	2705/201	Mathematics II and Surveying II	3 hrs
153.	2707/201		
154.	2709/201		
155.	2710/201		
156.	2705/301	Mathematics III and Surveying III	3 hrs
157.	2707/301		
158.	2709/301		
159.	2710/301		
160.	2901/102	Applied Mathematics and Economics	3 hrs
161.	2901/201	Applied Mathematics	3 hrs
162.	2901/301	Financial Accounting	3 hrs
163.	2910/201	Applied Science II	3 hrs
164.	2910/302	Agricultural Biochemistry and Agro-processing & value addition	3 hrs
165.	2913/102	Mathematics and Applied Science	3 hrs
166.	2914/206	Applied Biology Practical II	4 hrs
167.	2914/302	Entomology, Pharmacology and Toxicology	3 hrs
168.	3402/101	Principles and Techniques of Education Management	3 hrs
169.	4080/203	Organic Chemistry	3 hrs
170.	4082/203	Pharmacology & Toxicology I	3 hrs

171.	4083/203	Cytology	3 hrs
172.	4086/203	Anatomy & Physiology I	3 hrs
173.	4087/203	Haematology	3 hrs
174.	4089/203	Specific Products Technology	3 hrs
175.	2301/305	Construction Technology, Materials, Measurement, & Costing	3 hrs
176.	2302/305		
177.	2303/305	Environment Science	3 hrs
178.	2304/305	Environment Science	3 hrs
179.	2305/305	Measurement, Estimating & Costing	3 hrs
180.	2307/305	Measurement, Estimating & Costing	3 hrs
181.	2308/305	Highway Engineering Construction	3 hrs
182.	2311/305	Special Purposes Cart. & Cart. Rep.	3 hrs
183.	2312/305	Cadastral Surveying & Land Law	3 hrs
184.	2313/305	Photomechanical Processes & Print Sci.	3 hrs
185.	2403/305	Food Processing & Preservation	3 hrs
186.	2416/305	Advertising & Corporate Identity Design	3 hrs
187.	2417/305	Drawing, art & Visual Communication	3 hrs
188.	2418/305	Art/ Factual Sculpture	3 hrs
DAY 3 Wednesday, July 19, 2023			
189.	1904/105	Biology Techniques I	3 hrs
190.	1904/205	Biology Techniques II	3 hrs
191.	1905/105	Introduction to Nutrition and Dietetics, Introduction to Nutrition Care Process and Principles of Human Nutrition	3 hrs
192.	1905/205	Food Products for Invalids and Convalescents, Introduction to Behavioural Sciences and Nutrition Anthropology	3 hrs
193.	2081/205	Digital Electronics	3 hrs
194.	2082/205		
195.	2301/302	Hydraulics	3 hrs
196.	2302/302		
197.	2303/302		
198.	2304/302		
199.	2310/302	Management	3 hrs
200.	2311/302		
201.	2312/302		
202.	2313/302		
203.	2403/302	Food Chemistry	3 hrs
204.	2404/303	Microbiology, Parasitology & Immunology	3 hrs
205.	2405/302	Applied Economics	3 hrs
206.	2407/302	Haematology & Immuno-Haematology	3 hrs
207.	2411/302	Inorganic Chemistry	3 hrs
208.	2425/102	Principles of Animal Production	3 hrs
209.	2425/202	Animal Production II	3 hrs
210.	2425/302	Animal Production III	3 hrs
211.	2426/103A	Legal Aspects of Dietetics & Communication Skills	3 hrs
212.	2427/102		
213.	2426/203A	Human Psychology & Computer Applications	3 hrs

214.	2426/303	Principles of Accounts and Practice of Management	3 hrs
215.	2427/303		
216.	2427/202	Human Psychology	3 hrs
217.	2428/104	Communication Skills & Information Technology	3 hrs
218.	2428/204	Statistics	3 hrs
219.	2429/304A	Pharmaceutical Chemistry Theory	3 hrs
220.	2501/105	Structural Fabrication Technology, Material and Metallurgy I	3 hrs
221.	2501/205	Structural Fabrication Technology, Materials and Metallurgy II	3 hrs
222.	2502/206	Building Services, Machine Installation, Refrigeration, Air conditioning and Ventilation	3 hrs
223.	2503/105	Vehicle Technology	3 hrs
224.	2503/205	Engines Technology and Bodywork	3 hrs
225.	2504/105	General Ship Knowledge	3 hrs
226.	2504/205	Maritime Conventions	3 hrs
227.	2505/105	Ship Construction and Naval Architecture I	3 hrs
228.	2505/205	Marine Mechanical Technology I	3 hrs
229.	2505/305	Marine Mechanical Technology II	3 hrs
230.	2506/105	Workshop Technology and Life Skills	3 hrs
231.	2507/105		
232.	2506/205	Aircraft Mechanical Technology I	3 hrs
233.	2506/305	Aircraft Mechanical Technology II	3 hrs
234.	2507/205	Measurement Technology	3 hrs
235.	2507/305	Electromagnetic Field Theory	3 hrs
236.	2508/105	Fabrication and Welding Technology, Materials and Metallurgy I	3 hrs
237.	2508/205	Fabrication and Welding Technology, Materials and Metallurgy II	3 hrs
238.	2509/105	Engine and Construction Plant I Technology I	3 hrs
239.	2509/205	Vehicle and Construction Plant Technology II	3 hrs
240.	2521/204	Engineering Drawing and Circuit Analysis	3 hrs
241.	2601/204		
242.	2602/204		
243.	2603/204		
244.	2525/105	Agricultural Engineering I	3 hrs
245.	2921/105		
246.	2525/205	Agricultural Engineering II	3 hrs
247.	2921/205		
248.	2525/303	Agricultural engineering III	3 hrs
249.	2921/303		
250.	2528/105	Human Ecology and Economics	3 hrs
251.	2922/105		
252.	2528/205	Environmental Resource Management and Economics	3 hrs
253.	2922/205		
254.	2910/105	Agricultural Engineering I	3 hrs
255.	2910/205	Agricultural Engineering II	3 hrs
256.	2910/305	Rural Sociology and Community Health	3 hrs
257.	2913/106	Applied Science and Microbiology Practical	4 hrs
258.	2916/103	Diet Therapy I, Meal Planning Management and Service and Principles Of Human Nutrition Practice	3 hrs

259.	2916/203	Diet Therapy II and Nutrition in the Lifespan Theory	3 hrs
260.	2916/303	Diet Therapy III and Nutrition Education and Counselling Theory	3 hrs
261.	4080/205	Instrumentation I	3 hrs
262.	4082/205	Microbiology I	3 hrs
263.	4083/205	Museum Techniques I	3 hrs
264.	4086/205	Parasitology I	3 hrs
265.	4087/205	Immunology I	3 hrs
266.	4089/205	Food Microbiology	3 hrs
267.	2208/304	Clinical Engineering Paper II	3 hrs
268.	1804/205	Psychosocial Support and Provider Healthcare	3 hrs
269.	1805/205	Human Growth and Development	3 hrs
270.	2107/308	Airfield & Safety Procedures	3 hrs
271.	2206/302	Control Systems	3 hrs
272.	2207/306	Airfield & Safety Procedure	3 hrs
273.	2209/103	Information Systems Management	3 hrs
274.	2209/203	Programming II	3 hrs
275.	2416/302	Socio – Cultural Studies	3 hrs
276.	2417/302		
277.	2418/302		
278.	2428/302	Counselling Psychology, Social Rehab. & Reintegration	3 hrs
279.	2501/304	Thermodynamics and Fluid Mechanics	3 hrs
280.	2502/304		
281.	2503/304		
282.	2508/304		
283.	2509/304		
284.	2914/105	Animal Husbandry, Museum and Herbarium Techniques	3 hrs
285.	2915/105	Physical Chemistry I and Chemical Analytical Methods I	3 hrs
286.	2914/205	Parasitology and Histology	3 hrs
287.	2915/205	Physical Chemistry II	3 hrs
288.	2915/305	Physical Chemistry III	3 hrs
289.	3301/215	Survey Adjustments	3 hrs
290.	3302/215	Photogrammetric Data Processing	3 hrs
291.	3303/215	Cartographic Communication & Map Design	3 hrs
292.	3402/204	Education Policy, Planning and Curriculum Management	3 hrs
293.	2209/301	Quantitative Methods	3 hrs
DAY 4			
Thursday, July 20, 2023			
294.	2080/201	Mathematics	3 hrs
295.	2081/201		
296.	2082/201		
297.	2083/201		
298.	2301/301	Mathematics	3 hrs
299.	2302/301		
300.	2303/301		
301.	2304/301		
302.	2305/301	Mathematics	3 hrs
303.	2306/301		

304.	2307/301		
305.	2308/301		
306.	2309/301		
307.	2310/301		
308.	2311/301	Mathematics	3 hrs
309.	2312/301		
310.	2313/301		
311.	2405/301	Mathematics	3 hrs
312.	2416/306	Publication Design	3 hrs
313.	2417/306	Painting Art	3 hrs
314.	2426/102 2427/101B	Nutrition, Community Health & Diet Therapy I Theory	3 hrs
315.	2422/304	Graphic Reproduction	3 hrs
316.	2423/304	Proofing & Surface Preparation	3 hrs
317.	2424/304	Finishing Binding and Ancillary operations	3 hrs
318.	2426/202 2427/201B	Nutrition & Diet Therapy II Theory	3 hrs
319.	2429/304B	Pharmaceutical Chemistry Practical	4 hrs
320.	2521/102		
321.	2601/103	Engineering Mathematics I	3 hrs
322.	2602/103		
323.	2603/103		
324.	2521/201		
325.	2601/203	Engineering Mathematics II	3 hrs
326.	2602/203		
327.	2603/203		
328.	2521/301		
329.	2601/303	Engineering Mathematics III	3 hrs
330.	2602/303		
331.	2603/303		
332.	2805/104	Child Health Care and Nutrition	3 hrs
333.	2805/205	Community Development in Child care and Protection	3 hrs
334.	2916/102	Mathematics and Physical Science	3 hrs
335.	2916/202	Diet Therapy II and Nutrition in the Lifespan Practice	3 hrs
336.	2209/201	System Analysis and Design	3 hrs
337.	2902/303	Personal Development, Ethical and Legal Issues	3 hrs
338.	2902/105		
339.	2903/105		
340.	2904/105		
341.	2905/105		
342.	2906/105	Personal development I and Life skills	3 hrs
343.	2907/105		
344.	2908/105		
345.	2909/105		
346.	2911/105		
347.	2912/105		
348.	2902/202	Group Counselling	3 hrs

349.	2903/202		
350.	2904/202		
351.	2905/202		
352.	2906/202		
353.	2907/202		
354.	2908/202		
355.	2909/202		
356.	2911/202		
357.	2912/202		
358.	2901/204	Petroleum Geochemistry	3 hrs
359.	2901/304	Geographic Information Science (GIS)	3 hrs
360.	2903/303	Personal Development, Professional, Ethical and Legal Issues	3 hrs
361.	2904/303	Personal and Professional Development, Ethical and Legal Issues	3 hrs
362.	2905/303	Personal Development and Professional Issues	3 hrs
363.	2906/303	Personal Development, Family Counselling and Effective Parenting.	3 hrs
364.	2907/303	Personal and Professional Development	3 hrs
365.	2908/303	Advocacy For Persons With Special Needs and Disabilities	3 hrs
366.	2909/303	Personal Development and Spiritual Formation	3 hrs
367.	2916/302	Diet Therapy III and Nutrition Education and Counselling Practice	3 hrs
368.	3301/211		
369.	3302/211	Mathematics	3 hrs
370.	3303/211		
371.	2505/304	Motor and Steam Engineering Knowledge	3 hrs
372.	4080/201	Physical Chemistry	3 hrs
373.	4082/201	Animal Physiology I	3 hrs
374.	4083/201	Histology I	3 hrs
375.	4086/201	Histopathology I	3 hrs
376.	4087/201	Chemical Pathology I	3 hrs
377.	4089/201	Food Engineering Systems	3 hrs
378.	2203/302	Data Communication	3 hrs
379.	2204/302	Machines & Utilization	3 hrs
380.	2205/302	Data Communication	3 hrs
381.	2209/302	Data Communications	3 hrs
382.	2710/106	Architectural Communication and Technical Drawing	3 hrs
DAY 5			
Friday, July 21, 2023			
383.	1405/312	Animal Production	3 hrs
384.	1411/312	Printing Science	3 hrs
385.	1412/312	Haematology & Immuno-Haematology	3 hrs
386.	1901/104	Geodynamics, Stratigraphy and Sedimentology	3 hrs
387.	1901/204	Workshop Technology & Practice	3 hrs
388.	2080/203		
389.	2081/203	Electrical Measurements	3 hrs
390.	2082/203		
391.	2083/203		

392.	2418/306	Environment, Mon and Statuary Sculpture	3 hrs
393.	2425/104	Agricultural Engineering I	3 hrs
394.	2425/204	Agricultural Engineering II	3 hrs
395.	2425/304	Agricultural Engineering III & Environmental Management	3 hrs
396.	2426/203B 2427/204	Applied Science (Physical Science and Biochemistry)	3 hrs
397.	2429/306A	Pharmacology & Therapeutics Theory	3 hrs
398.	2521/105	Electrical Measurement and Analogue Electronics I	3 hrs
399.	2601/106		
400.	2602/106		
401.	2603/106		
402.	3080/206	Building Economics	3 hrs
403.	3081/206	Estimating and Costing	3 hrs
404.	3083/206		
405.	3084/206		
406.	3082/206	Costing & Measurement. of Field Works	3 hrs
407.	3301/216	Geodesy	3 hrs
408.	3302/216	Photogrammetric Mapping	3 hrs
409.	3303/216	Thematic & Special Purpose Mapping	3 hrs
410.	4080/202	Inorganic Chemistry	3 hrs
411.	4082/202	Animal Physiology II	3 hrs
412.	4083/202	Histology II	3 hrs
413.	4086/202	Histopathology II	3 hrs
414.	4087/202	Chemical Pathology II	3 hrs
415.	4089/202	Food Processing & Preservation	3 hrs
416.	1904/206	Science Laboratory Techniques practical II	4 hrs
417.	1905/106	Legal Aspects of Nutrition and Dietetics, HIV and AIDS, Introduction to Primary Health Care	3 hrs
418.	1905/206	Maternal and Child Nutrition, Nutrition in the Lifecycle and Nutrition for Vulnerable Groups	3 hrs
419.	2101/306	Production Technology & Metrology	3 hrs
420.	2102/306	Plant Technology & practice	3 hrs
421.	2103/306	Vehicle Technology & Practice	3 hrs
422.	2104/306	Construction Plant Technology	3 hrs
423.	2105/306	Agric. Machines, Implementation & Field Engineering	3 hrs
424.	2106/306	Welding and Fabrication Technology	3 hrs
425.	2107/306	Aircraft Propulsion	3 hrs
426.	2108/306	Foundry Technology & Practice	3 hrs
427.	2201/306	Instrumentation	3 hrs
428.	2203/306	Communication Systems	3 hrs
429.	2204/306	Power Electronics & Micro-processors	3 hrs
430.	2205/306	Computer Applications	3 hrs
431.	2206/306	Transmission of Measurement and Control Signals	3 hrs
432.	2403/306	Technology of Specific Products	3 hrs
433.	2404/306	Laboratory Practice & Management	3 hrs
434.	2407/306		
435.	2411/306		

436.	2405/306	Computing	3 hrs
437.	2413/305	Reactor Engineering & Control	3 hrs
438.	2422/305	Pre-Press Equipment Maintenance & Quality Control	3 hrs
439.	2423/305	Press Equipment Maintenance & Quality Control	3 hrs
440.	2424/305	Post press Equipment Maintenance & Quality Control	3 hrs
441.	2426/103B	Applied Sciences (Microbiology & Parasitology, Anatomy & Physiology)	3 hrs
442.	2427/103		
443.	2502/105	Plant Maintenance	3 hrs
444.	2525/204	Farm Management and Research Methodology	3 hrs
445.	2921/204		
446.	2525/304	Sustainable Agriculture	3 hrs
447.	2921/304		
448.	2705/105	Building Construction I, Technical Drawing & Construction Plant	3 hrs
449.	2707/105		
450.	2709/105		
451.	2710/105	Building Construction I and Construction Plant	3 hrs
452.	2705/205	Building Construction II and Drawing II	3 hrs
453.	2707/205	Building Construction II, Civil Engineering Construction II & Transportation Engineering I	3 hrs
454.	2805/103	Child Care and Protection	3 hrs
DAY 6			
Monday, July 24, 2023			
455.	2101/303	Mechanical Technology	3 hrs
456.	2102/303		
457.	2103/303		
458.	2104/303		
459.	2105/303		
460.	2106/303		
461.	2107/303		
462.	2108/303		
463.	2306/303	Building Const. Civil Eng. Constr. & Drawing	3 hrs
464.	2309/303	Materials & Concrete Technology	3 hrs
465.	2310/303	Land Surveying	3 hrs
466.	2311/304		
467.	2403/301	Food Engineering	3 hrs
468.	2405/303	Statistical Methods	3 hrs
469.	2406/303	Principles of Accounts	3 hrs
470.	2407/303	Chemical Pathology	3 hrs
471.	2411/303	Organic Chemistry	3 hrs
472.	2413/303	Industrial Chemical Processes	3 hrs
473.	2422/302	Printing Science & Materials Tech.	3 hrs
474.	2423/302		
475.	2424/302		
476.	2426/302	Food Science & Technology	3 hrs
477.	2427/302		
478.	2428/103	Community Based Organizations, Capacity Building & Empt	3 hrs
479.	2428/203	Advocacy, Lobbying & Legal Aspects in Social Development	3 hrs

480.	2428/303	Social Policy Administration and Disaster Management	3 hrs
481.	2429/303	Pharmaceutics	3 hrs
482.	2501/104	Engineering Drawing I	3 hrs
483.	2508/104		
484.	2502/104	Engineering Drawing I	3 hrs
485.	2503/104		
486.	2509/104		
487.	2505/104	Technical Drawing and Workshop Technology	3 hrs
488.	2525/104	Livestock Enterprise Management I	3 hrs
489.	2921/104		
490.	2525/203	Livestock Enterprise Management II	3 hrs
491.	2921/203		
492.	2525/301	Livestock Enterprise Management III	3 hrs
493.	2921/301		
494.	2528/204	Environmental Analytical Techniques and laboratory Management	3 hrs
495.	2922/204		
496.	2528/304	Environmental Analytical Techniques	3 hrs
497.	2922/304		
498.	2705/103	Structures I and Construction Materials	3 hrs
499.	2707/103		
500.	2709/103		
501.	2710/103	Structures II, Geotechnology II and Concrete Technology II	3 hrs
502.	2705/202		
503.	2707/202		
504.	2709/202		
505.	2710/202	Structures III	3 hrs
506.	2705/302		
507.	2709/302		
508.	2710/302	Structures III	3 hrs
509.	2707/302		
510.	2805/202	Case Management in Child Care and Protection	3 hrs
511.	2805/302	Advocacy and Lobbying	3 hrs
512.	2901/104	Geodynamics, Sedimentology, Stratigraphy and Policy Framework	3 hrs
513.	2902/302	Prevention and Treatment Approaches	3 hrs
514.	2902/102	Introduction to Psychology and Lifespan Development	3 hrs
515.	2903/102		
516.	2904/102		
517.	2905/102		
518.	2906/102		
519.	2907/102		
520.	2908/102		
521.	2909/102		
522.	2911/102		
523.	2912/102		
524.	2902/203	Contextual and Multicultural Issues in Counselling and Research Methods	3 hrs
525.	2903/203		

526.	2904/203		
527.	2905/203		
528.	2906/203		
529.	2907/203		
530.	2908/203		
531.	2909/203		
532.	2911/203		
533.	2912/203		
534.	2903/302	Contextual Issues	3 hrs
535.	2904/302	Contextual Issues	3 hrs
536.	2905/302	Contextual and Psychosocial Issues	3 hrs
537.	2906/302	Contextual Issues, Sexuality and Disaster Management	3 hrs
538.	2907/302	Contextual Issues In Marriage and Family Therapy	3 hrs
539.	2908/302	Counselling For Persons With Special Needs and Disabilities	3 hrs
540.	2909/302	Contextual Issues	3 hrs
541.	2910/104	Livestock Enterprise Management I	3 hrs
542.	2910/203	Livestock Enterprise Management II	3 hrs
543.	2914/306	Applied Biology Practical III	4 hrs
544.	2916/106	Food Safety and Hygiene, Food Production for Invalids and Convalescents and Nutrition Anthropology	3 hrs
545.	2916/306	Industrial Organization and management, Product Development, Marketing and Sales.	3 hrs
546.	3080/205	Measurements of Building Works	3 hrs
547.	3081/203	Structures II	3 hrs
548.	3083/203	Highway Engineering II	3 hrs
549.	3084/205	Water Resources	3 hrs
550.	2080/204		
551.	2081/204	Control Systems	3 hrs
552.	2082/204		
553.	2083/204		
554.	2201/304		
555.	2203/304	Control Systems	3 hrs
556.	2204/304		
557.	1314/103	Construction Technologies I	3 hrs
558.	1314/203	Irrigation and Drainage	3 hrs
559.	1405/313	Agricultural Economics & Farm Management	3 hrs
560.	1408/313	Chemistry Techniques	3 hrs
561.	1411/313	Surface Preparations	3 hrs
562.	1412/313	Parasitology & Histology	3 hrs
563.	2404/302	Cytology, Histology & Genetics	3 hrs
564.	3301/212	Land Law, Environment, Physical, Planning Studies & GIS	3 hrs
565.	3302/212	Land Law, Environment, Physical, Planning Studies & GIS	3 hrs
566.	3303/212	Land Law, Environment, Physical, Planning Studies & GIS	3 hrs
567.	3402/102	Management of Human Resources and Guidance and Counselling	3 hrs
568.	3402/203	Research in Education and Training	3 hrs
569.	1901/103	Environmental Health, Safety, Legal and Policy Framework	3 hrs

570.	1901/203	Petroleum Geology & The Fundamentals of Petroleum Exploration & Production	3 hrs
571.	2914/201	Research Methods	3 hrs
572.	2915/201		
DAY 7			
Tuesday, July 25, 2023			
573.	1080/214	Mechanics of Machines	3 hrs
574.	1405/314	Agricultural Extension Education & Home Economics	3 hrs
575.	1411/314	Press Operations & Maintenance	3 hrs
576.	1412/311	Immunology & Medical Microbiology	3 hrs
577.	1901/105	Engineering Drawing	3 hrs
578.	2201/303	Microprocessor Systems	3 hrs
579.	2203/303		
580.	2206/303		
581.	2204/303	Electrical Power Systems	3 hrs
582.	2205/303	Microprocessor Systems	3 hrs
583.	2207/303	Communication & Navigation System	3 hrs
584.	2208/302	Medical Electronics	3 hrs
585.	2413/304	Thermodynamics and Fluid Mechanics	3 hrs
586.	2416/303	Graphic Reproduction	3 hrs
587.	2417/303		
588.	2418/303		
589.	2521/304	Power Electronics, Machines and Utilization	3 hrs
590.	2601/304		
591.	2601/104	Engineering Drawing , Materials and Workshop Technology	3 hrs
592.	2602/104		
593.	2603/104		
594.	2602/304	Electromagnetic Field Theory & Communication Systems	3 hrs
595.	2603/304	Electromagnetic Field Theory & Networking	3 hrs
596.	2705/104	Surveying I and Workshop Technology (Mechanical)	3 hrs
597.	2707/104		
598.	2709/104		
599.	2710/104		
600.	2805/301	Care for Children with Special needs, Guidance, Mentorship and Self-care.	3 hrs
601.	2901/105	Petroleum Geology and Exploration Techniques	3 hrs
602.	2902/301	Theories Of Addiction Counseling	3 hrs
603.	2902/103	Theories of Counselling I and Counselling skills	3 hrs
604.	2903/103		
605.	2904/103		
606.	2905/103		
607.	2906/103		
608.	2907/103		
609.	2908/103		
610.	2909/103		
611.	2911/103		
612.	2912/103		

613.	2902/201	Theories of Counselling II and Personal Development II	3 hrs
614.	2903/201		
615.	2904/201		
616.	2905/201		
617.	2906/201		
618.	2907/201		
619.	2908/201		
620.	2909/201		
621.	2911/201		
622.	2912/201		
623.	2903/301	Growth and Development	3 hrs
624.	2904/301	Theories and Practice Of Disaster Management and Crisis Intervention	3 hrs
625.	2905/301	Theories, Process and Practice	3 hrs
626.	2906/301	Human Development and Establishing Guidance and Counseling.	3 hrs
627.	2907/301	Theories and Practice In Marriage and Family Therapy	3 hrs
628.	2908/301	Introduction To Persons With Special Needs and Disabilities	3 hrs
629.	2909/301	Christian Sacred Writings I & II (Old And New Testament) and Spirituality and Counselling	3 hrs
630.	2915/106	Analytical Chemistry Practical I	4 hrs
631.	3080/204	Site Organisation, Administration and Work Study	3 hrs
632.	3082/204		
633.	3084/204	Irrigation Engineering	3 hrs
634.	3301/213	Geophysics	3 hrs
635.	3302/213	Remote Sensing	3 hrs
636.	3303/213	Geography	3 hrs
637.	3402/104	Communication, Marketing and Public Relations	3 hrs
638.	2406/301	Front Office Theory	3 hrs
639.	2428/102	Development Economics & Entrepreneurship Education	3 hrs
640.	2428/202	Resource Management HIV/AIDS	3 hrs
641.	2428/305	Community Concerns & Dev. Methodologies	3 hrs
642.	2525/202	Crop Enterprise Management II	3 hrs
643.	2921/202		
644.	2525/302	Agro Processing and Value Addition	3 hrs
645.	2921/302		
646.	1804/103	Child Health and Safety	3 hrs
647.	1804/203	Case Management, Discipline and Behaviour Management	3 hrs
648.	1805/203	History and Government of Kenya	3 hrs
649.	1904/103	Physics Techniques I	3 hrs
650.	1904/203	Physics Techniques II	3 hrs
651.	1905/103	Food Science, Food Safety and Hygiene, Meal Planning Management and Service Practice.	3 hrs
652.	1905/203	Diet Therapy and Demonstration Techniques Practice	3 hrs
653.	2209/102	Computer Applications	3 hrs
654.	2209/202	Programming I	3 hrs
655.	2914/301	Industrial Organization and Management	3 hrs
656.	2915/301		
DAY 8			
Wednesday, July 26, 2023			

657.	1704/203	Building Construction II & CAD	3 hrs
658.	2301/304	Surveying	3 hrs
659.	2302/304		
660.	2303/304	Applied Hydrology	3 hrs
661.	2304/304	Photogeology	3 hrs
662.	2305/302	Surveying	3 hrs
663.	2307/302		
664.	2308/302		
665.	2306/302	Surveying	3 hrs
666.	2309/302	Construction Technology & Services	3 hrs
667.	2413/302	Industrial Org. & Management	3 hrs
668.	2428/306	Gender Development & Community Leadership	3 hrs
669.	2501/102	Mechanical Science & Electrical Principles	3 hrs
670.	2502/102		
671.	2503/102		
672.	2508/102		
673.	2509/102		
674.	2501/202	Strength of Materials and Mechanics of Machines	3 hrs
675.	2502/202		
676.	2503/202		
677.	2508/202		
678.	2509/202		
679.	2504/102	Marine Engineering & Construction Theory	3 hrs
680.	2504/202	Ship Construction and Cargo Work II	3 hrs
681.	2504/301	Marine Law and Management	3 hrs
682.	2505/102	Marine Electrical and Electronics Technology	3 hrs
683.	2505/202	Maritime Electronics Technology	3 hrs
684.	2505/302	Marine Electrical Technology, Instrumentation and Control Systems	3 hrs
685.	2506/102	Aircraft Electrical Technology	3 hrs
686.	2507/102		
687.	2506/202	Electronics and Control Systems	3 hrs
688.	2507/202		
689.	2506/302	Flight Mechanics	3 hrs
690.	2507/302	Micro Controllers Technology	3 hrs
691.	2521/103	Engineering Science and Drawing	3 hrs
692.	2521/203	Digital and Analogue Electronics	3 hrs
693.	2601/202		
694.	2602/202		
695.	2603/202		
696.	2521/302	Microcontrollers and Microprocessor Systems	3 hrs
697.	2601/302		
698.	2602/302		
699.	2603/302		
700.	2528/103	Environmental Biology	3 hrs
701.	2922/103		
702.	2528/203	Environmental Microbiology	3 hrs

703.	2922/203		
704.	2528/303	Environmental Biochemistry and toxicology	3 hrs
705.	2922/303		
706.	2601/102	Physical, Mechanical Science and Electrical Principles	3 hrs
707.	2602/102		
708.	2603/102		
709.	2805/102	Child Growth development and Psychology	3 hrs
710.	2805/203	Children in Juvenile Justice Systems and Behaviour Modification.	3 hrs
711.	2805/304	Principles and Practices of Management	3 hrs
712.	2901/103	Engineering Drawing, W/Shop Technology, Environmental Health and Safety management	3 hrs
713.	2901/203	Rocks, Fluids & Reservoir Geophysics	3 hrs
714.	2901/303	Petroleum Exploration & Drilling	3 hrs
715.	2910/103	Crop Enterprise Management I and Foundations of Sustainable Agriculture	3 hrs
716.	2910/303	Development economics and Agricultural marketing	3 hrs
717.	2914/106	Applied Biology Practical I	4 hrs
718.	2914/203	Ecology and Plant Husbandry	3 hrs
719.	2914/303	Soil Science, Aquarium and Vivarium Techniques	3 hrs
720.	3080/201	Mathematics	3 hrs
721.	3081/201		
722.	3082/201		
723.	3083/201		
724.	4080/207	Management and Statistics	3 hrs
725.	4082/207		
726.	4083/207		
727.	4086/207		
728.	4087/207		
729.	4089/207		
DAY 9			
Thursday, July 27, 2023			
730.	1804/104	Child Growth and Development	3 hrs
731.	1804/204	Family Reintegration and Community Empowerment	3 hrs
732.	1805/204	Community Health, Administration and Management	3 hrs
733.	1904/104	Chemistry Techniques I	3 hrs
734.	1904/204	Chemistry Techniques II	3 hrs
735.	1905/104	Food Science, Food Safety and Hygiene, Meal Planning Management and Service Theory	3 hrs
736.	1905/204	Diet Therapy (Theory), Nutrition in HIV& AIDS and Management of Malnutrition	3 hrs
737.	2101/304	Engineering Drawing & Design	3 hrs
738.	2102/304	Plant & Work Services Drawing	3 hrs
739.	2103/304	Engineering Drawing & Sketching	3 hrs
740.	2104/304		
741.	2105/304		
742.	2106/304	Engineering Drawing, Pattern Dev. & Design	3 hrs
743.	2107/304	Flight Mechanics	3 hrs

744.	2108/304	Engineering Drawing and Design	3 hrs
745.	2205/304	Quantitative Techniques	3 hrs
746.	2206/304	Measurement Systems	3 hrs
747.	2207/304	Digital Principles & Microprocessors	3 hrs
748.	2305/304	Building Technology & Drawing	3 hrs
749.	2307/304	Soil Mechanics & Hydraulics	3 hrs
750.	2308/304	Soil Mechanics & Hydraulics	3 hrs
751.	2310/304	Cartography	3 hrs
752.	2312/304		
753.	2403/304	Food Microbiology	3 hrs
754.	2404/304	Biochemistry, Anatomy & Physiology	3 hrs
755.	2405/304	Applied Statistics	3 hrs
756.	2407/304	Immunology	3 hrs
757.	2411/304	Chemical Analytical Methods and Biochemistry	3 hrs
758.	2501/106	Tool Room Process Technology I	3 hrs
759.	2501/206	Tool Room Processes Technology II and Metrology	3 hrs
760.	2502/106	Materials and workshop Technology	3 hrs
761.	2503/106		
762.	2509/106		
763.	2505/106	Marine Engineering and Environmental Protection	3 hrs
764.	2505/206	Maritime Law	3 hrs
765.	2506/106	Airframe Structures, Airfield Safety and Procedures	3 hrs
766.	2507/106		
767.	2506/206	Airframe Systems I	3 hrs
768.	2506/306	Data and Computer Networks	3 hrs
769.	2507/306		
770.	2507/206	Communication and Telecommunication Systems	3 hrs
771.	2508/106	Metal Technology and Joining Processes I	3 hrs
772.	2508/206	Metal Technology and Joining Processes II	3 hrs
773.	2705/203	Construction Management I and Workshop Technology II	3 hrs
774.	2709/205	Architectural Landscaping, Graphic design I Architectural Technology	4 hrs
775.	2710/206	Architectural Design and Landscaping	4 hrs
776.	2705/303	Building Construction, Drawing III and Services	3 hrs
777.	2709/303		
778.	2710/303		
779.	2707/203	Construction Management I, Workshop Technology II & Water Supply	3 hrs
780.	2707/303	Building Construction III and Transportation Engineering II	3 hrs
781.	2805/204	Child and Adolescent Counselling and Family Care for Children	3 hrs
782.	2902/304	Psychoactive Substances and Comorbidity	3 hrs
783.	2902/104	Contextual, Ethical and Legal Issues in Counselling	3 hrs
784.	2903/104		
785.	2904/104		
786.	2905/104		
787.	2906/104		
788.	2907/104		

789.	2908/104		
790.	2909/104		
791.	2911/104		
792.	2912/104		
793.	2902/204	Abnormal Behaviour and Psychological Testing	3 hrs
794.	2903/204		
795.	2904/204		
796.	2905/204		
797.	2906/204		
798.	2907/204		
799.	2908/204		
800.	2909/204		
801.	2911/204		
802.	2912/204		
803.	2903/304	Guidance and Counselling Techniques and Psychological Assessment	3 hrs
804.	2904/304	Disaster, Stress and Conflict Management	3 hrs
805.	2905/304	HIV Management	3 hrs
806.	2906/304	Introduction to and Practice of Guidance and Counselling and Mental Health.	3 hrs
807.	2907/304	Sociology and Trends In Marriage and Family Therapy	3 hrs
808.	2908/304	Contextual Issues and Personal Development	3 hrs
809.	2909/304	Christian Counselling Theories, Biblical Doctrine, Major World Religions and African Traditional Religions	3 hrs
810.	2913/104	Agricultural Production and General Microbiology	3 hrs
811.	2915/104	Organic and Inorganic Chemistry I	3 hrs
812.	2915/306	Analytical Chemistry Practical III	4 hrs
813.	2914/204	Biochemistry and Genetics	3 hrs
814.	2914/304	Immunology and Biochemistry	3 hrs
815.	2916/201	Basic Biochemistry and Introduction to Biostatistics.	3 hrs
816.	2916/301	Food Microbiology, Parasitology and Food Security	3 hrs
817.	1080/211	Mathematics	3 hrs
818.	1405/311	Crop Production	3 hrs
819.	1408/311	Laboratory Practice	3 hrs
820.	1411/311	Introduction to Printing Technology	3 hrs
821.	2425/101	Principles of Crop Production I & Soil Science	3 hrs
822.	2425/201	Principles of Crop Production II & Soil Fertility & Plant Nutrition	3 hrs
823.	2425/301	Crop Production III	3 hrs
824.	2426/101 2427/101A	Nutrition, Community Health & Diet Therapy I Practice	3 hrs
825.	2426/201	Nutrition & Diet Therapy II Practice	3 hrs
826.	2427/201A		
827.	2426/301	Diet Therapy III Practice & Theory	3 hrs
828.	2427/301		
829.	3084/201	Soil Mechanics & Foundation Engineering	3 hrs
830.	3301/214	Plane Surveying	3 hrs
831.	3302/214	Image Processing & Interpretation	3 hrs

832.	3303/214	Computer Assisted Cartography	3 hrs
833.	2501/302	Control Systems and Instrumentation	3 hrs
834.	2503/302		
835.	2508/302		
836.	2509/302		
837.	2502/302	Control Systems and Automation	3 hrs
838.	2915/203	Chemical Analytical Methods II and Biochemical Techniques	3 hrs
DAY 10			
Friday, July 28, 2023			
839.	1080/215	Applied Thermodynamics	3 hrs
840.	1405/315	Agricultural Engineering (Theory)	3 hrs
841.	1412/314	Clinical Chemistry	3 hrs
842.	1901/106	Economics	3 hrs
843.	2080/205	Electrical Power Supply	3 hrs
844.	2081/206	Industrial Electronics	3 hrs
845.	2083/205		
846.	2201/302	Industrial Electronics	3 hrs
847.	2208/303	Clinical Engineering I	3 hrs
848.	2306/304	Measurement of Building and Civil Engineering Works	3 hrs
849.	2309/304	Measurement Specs. & Costing	3 hrs
850.	2313/304	Print Origination	3 hrs
851.	2416/304	Illustration, Packing & Model Making	3 hrs
852.	2417/304	Multimedia Crafts & Draughtsmanship	4 hrs
853.	2418/304		
854.	2422/303	Graphic Design	3 hrs
855.	2423/303		
856.	2424/303		
857.	2425/103	Agricultural Economics I and Extension Education	3 hrs
858.	2425/203	Agricultural Economics II, Extension & Home Economics	3 hrs
859.	2425/303	Farm Business Management & Extension	3 hrs
860.	2429/305	Pharmacy Practice and Dispensing/Compounding	4 hrs
861.	2502/204	Plant Engineering Drawing	3 hrs
862.	2503/204	Engineering Drawing and Design	3 hrs
863.	2509/204		
864.	2501/301		
865.	2502/301	Computer Aided Drawing	3 hrs
866.	2503/301		
867.	2508/301		
868.	2509/301		
869.	2504/104	Navigation I	3 hrs
870.	2504/204	Navigation II	3 hrs
871.	2504/304	Navigation III	3 hrs
872.	2506/104	Engineering Drawing	3 hrs
873.	2507/104		
874.	2506/204	Airfield Safety Procedures II and Research Methods	3 hrs
875.	2507/204		
876.	2506/304	Gas Turbine Engines	3 hrs

877.	2507/304	Aircraft Communication, Surveillance and Navigation Systems	3 hrs
878.	25051/104	Technical drawing and Workshop Technology	3 hrs
879.	25051/204	Engineering Drawing and Design	3 hrs
880.	25051/304	Maritime Conventions and Environment Protection	3 hrs
881.			
882.	2521/104	Electrical Installation and Principles	3 hrs
883.	2528/104	Environmental Laboratory Practice	3 hrs
884.	2922/104		
885.	2910/304	Management of Natural Resources and Community Development	3 hrs
886.	2913/105	Food Engineering I	3 hrs
887.	2521/205	Electrical Power Generation, Transmission & Protection	3 hrs
888.	2601/205		
889.	2521/305	Electrical Power Systems and Electromagnetic Field Theory	3 hrs
890.	2601/305		
891.	2601/105	Electrical and Solar installation Technology	3 hrs
892.	2602/105		
893.	2603/105		
894.	2602/205	Telecommunication Principles and industrial Measurements	3 hrs
895.	2602/305	Data Communication & Networking	3 hrs
896.	2603/205	Instrumentation Systems and Industrial Measurement	3 hrs
897.	2603/305	Industrial Measurements II & Industrial Electronics	3 hrs
898.	2805/105	Introduction to Accounting	3 hrs
899.	2805/305	Financial management	3 hrs
900.	2901/205	Earth science & Wave Theory	3 hrs
901.	2901/305	Remote Sensing	3 hrs
902.	3080/202	Construction Technology Paper I	3 hrs
903.	3081/204	Concrete and Timber Technology	3 hrs
904.	3082/202	Construction Tech. Concrete Tech & Mechanical Plant	3 hrs
905.	3083/204	Engineering Surveying	3 hrs
906.	3084/202	Fluid Mechanics & Hydraulic Machines	3 hrs
907.	3402/103	Financial Management of Education Institutions	3 hrs
908.	3402/202	Entrepreneurship Education and Project Management	3 hrs
909.	4080/206	Instrumentation II	3 hrs
910.	4082/206	Microbiology II	3 hrs
911.	4083/206	Museum Techniques II	3 hrs
912.	4086/206	Parasitology II	3 hrs
913.	4087/206	Immunology II	3 hrs
914.	4089/206	Food Ingredients, Pest Control & Entomology	3 hrs
915.	1805/103	Kiswahili	3 hrs
916.	1410/201	Social Development Theory Methods, Policy & Administration	3 hrs
917.	2501/204	Engineering Drawing II and Design	3 hrs
918.	2508/204		
919.	2505/204	Engineering Drawing & Design	3 hrs
DAY 11			
Monday, July 31, 2023			
920.	0101/215	Support Subjects	3 hrs

921.	0103/215		
922.	0105/215		
923.	0106/215		
924.	0202/215		
925.	0301/215		
926.	0302/215		
927.	0304/215		
928.	0305/215		
929.	0401/215		
930.	0402/215		
931.	0404/215		
932.	0405/215		
933.	2205/301	Systems analysis & Design	3 hrs
934.	2207/302	Telecommunication Principles	3 hrs
935.	2402/305	Principles and Practice of Management	3 hrs
936.	2404/301	Taxonomy, Ecology, Soil-Study Herbarium, Aquarium and Vivarium	3 hrs
937.	2407/301	Parasitology & Histological Techn.	3 hrs
938.	2411/301	Physical Chemistry	3 hrs
939.	2428/101	Social Work, Theory Practice & Community Development	3 hrs
940.	2428/201	Resource Mobilization, Fund Raising & Project Management	3 hrs
941.	2428/301	Social Psychology & Human Development	3 hrs
942.	2429/301	Social and Administrative Pharmacy	3 hrs
943.	2504/201	Chart Work Practices	3 hrs
944.	2504/302	Ship Stability and Handling	3 hrs
945.	25041/104	Navigation I	3 hrs
946.	25041/204	Navigation II	3 hrs
947.	25041/304	Navigation III	3 hrs
948.	25041/201	Chart work	3 hrs
949.	2505/201	Ship Construction & Naval Architecture II	3 hrs
950.	2505/301	Marine Organisation and Management	3 hrs
951.	25051/201	Ship Stability	3 hrs
952.	25041/301	Marine Organisation and Management	3 hrs
953.	25051/301	Marine Organisation and Management	3 hrs
954.	2506/201	Aircraft Propeller Systems	3 hrs
955.	2506/301	Industrial Organisation and Management	3 hrs
956.	2507/301		
957.	2507/201	Aircraft Instruments and Measurement Systems	3 hrs
958.	2521/202	Industrial Control Systems	3 hrs
959.	2521/303	Industrial management and Engineering Contracts	3 hrs
960.	2601/301		
961.	2602/301		
962.	2603/301		
963.	2528/201	Earth Science and Environmental Information Systems	3 hrs
964.	2922/201		
965.	2528/301	Atmospheric Science	3 hrs
966.	2922/301		

967.	2601/201	Control Systems and Programmable Logic Controllers	3 hrs
968.	2602/201		
969.	2603/201		
970.	2705/204	Measurement of Building and Civil Engineering Works, Estimating and Costing I	3 hrs
971.	2707/204		
972.	2710/205	History of Architecture	3 hrs
973.	2710/305	Environmental Planning and Management	3 hrs
974.	2802/201	Hospitality Accounting and Law	3 hrs
975.	2802/301	Human Relations	3 hrs
976.	2920/301		
977.	2803/201	Industrial Organization Management I & Quality Control I	3 hrs
978.	2803/301	Industrial Organization Management II & Quality Control II	3 hrs
979.	2805/201	Legal Instruments for Child Protection	3 hrs
980.	2805/303	Resource Mobilization and Project Management	3 hrs
981.	2830/201	Weaving and Knitting Machinery practical	3 hrs
982.	2830/301	Textile Preparation and Finishing Processes	3 hrs
983.	2901/202	Research methods	3 hrs
984.	2901/302	Project Management	3 hrs
985.	2910/202	Crop enterprise management II	3 hrs
986.	2910/301	Crop enterprise management III	3 hrs
987.	2913/201	Food Chemistry I and Food Microbiology I	3 hrs
988.	2913/302	Food Chemistry II & Food Microbiology II	3 hrs
989.	2916/205	Introduction to Primary Health Care and Principles of Nutrition and Behaviour	3 hrs
990.	2916/305	Community Partnership Skills, Nutrition Assessment and Surveillance and Nutrition in Emergency	3 hrs
991.	3402/201	Trends and Issues in Education and Training	3 hrs
992.	1401/315	Production Techniques	3 hrs
993.	1406/315	Front Office Operations Theory	3 hrs
994.	1408/315	Science Laboratory Practice (Practical)	4 hrs
995.	1409/311	Fishing Technology	3 hrs
996.	1410/205	Sociology, Research Methods & Comm. Skill	3 hrs
997.	1501/204	Technical Drawing II	3 hrs
998.	1503/204		
999.	1508/204		
1000.	1509/204		
1001.	1504/105	Marine Engineering & Environment Protection	3 hrs
1002.	15041/105	General Marine Engineering Knowledge	3 hrs
1003.	15041/205	Watch keeping Practices and Meteorology	3 hrs
1004.	1505/105	Marine Engineering & Environment Protection	3 hrs
1005.	15051/105	Technical Drawing and Workshop Technology I	3 hrs
1006.	15051/205	Marine Electronic	3 hrs
1007.	1704/103	Building Construction I and Drawing	3 hrs
1008.	1903/105	Food Processing and Preservation I	3 hrs
1009.	1906/105	Principles and Practices of Livestock Production I	3 hrs
1010.	1906/203	Principles and Practices of Livestock Production II	3 hrs
1011.	1908/104	Fish Culture & Nutrition	3 hrs
1012.	2819/104	Accommodation Operations Theory	3 hrs

1013.	2819/201	Accommodation Operations Management I & Law Theory	3 hrs
1014.	2819/301	Accommodation Operations Management II theory	3 hrs
1015.	2920/201	Accounting and Legal aspects	3 hrs
1016.	1102/314	Mechanical Engineering Trade Theory	3 hrs
1017.	1103/314	Motor Vehicle Trade Theory	3 hrs
1018.	1105/314	Agricultural Engineering Trade Theory	3 hrs
1019.	1106/314	Fabrication and Welding Trade Theory	3 hrs
1020.	1301/314	Carpentry and Joinery Craft Theory	3 hrs
1021.	1304/314	Masonry Craft Theory	3 hrs
1022.	1305/314	Plumbing Craft Theory	3 hrs
1023.	1308/314	Land Surveying Theory	3 hrs
1024.	1309/314	Road Construction Tech. & Drawing	3 hrs
1025.	1501/105	Fabrication Technology, Materials and metallurgy	3 hrs
1026.	1503/105	Vehicle Technology, Workshop Technology and Vehicle bodywork	3 hrs
1027.	1508/105	Fabrication and Welding Technology, Materials and Metallurgy I	3 hrs
1028.	1509/105	Workshop Technology, Engine Technology and Construction Plant I	3 hrs
1029.	1521/205	Electrical Installation II, Estimating, Tendering, Industrial	3 hrs
1030.	1601/205	Machines and Controls	
1031.	1522/205	Telecommunication Systems	3 hrs
1032.	1602/205		
1033.	1601/105	Electrical and Solar Installation Technology	3 hrs
1034.	1602/105		
1035.	2426/104	Food & Beverage Production & Service	3 hrs
1036.	2427/104		
1037.	2427/203	Computer Applications	3 hrs
1038.	2506/107	Aircraft Piston engines	3 hrs
1039.	2507/107		
1040.	2916/104	Diet Therapy I, Principles of Human Nutrition, Introduction to Nutrition and Dietetics, Anatomy and Physiology Theory	3 hrs
1041.	2401/303	Garment Cutting & Making Tech. Theory	3 hrs
1042.	2406/103	Principles and Practice of Management	3 hrs
1043.	2406/203	Applied Science	3 hrs
1044.	2802/103	Food and Beverage Production Theory	3 hrs
1045.	2803/103	Art, Fashion Design & Sketching and Cutting Technology I	3 hrs
1046.	2830/104	Spinning Processes and Machinery	3 hrs
1047.	2920/103	Baking Control I and Mathematics	3 hrs
1048.	1080/218	Production Engineering II	3 hrs
1049.	1080/220	Plant Engineering II	3 hrs
1050.	1080/222	Automobile & Prime Movers Engineering II	3 hrs
1051.	1805/105	Foundations of Accounting	3 hrs
1052.	1801/103	Workshop Organisation Management and General Information	3 hrs
1053.	1504/203	Mathematics & Applied Science II	3 hrs
1054.	1505/203		
1055.	2914/103	Laboratory and Workshop Practice	3 hrs
1056.	2915/103		

1057.	2915/303	Industrial Chemistry II and Quality Assurance	3 hrs
DAY 12			
Tuesday, August 1, 2023			
1058.	0101/214	Applied Geometry	3 hrs
1059.	0103/214		
1060.	0105/214		
1061.	0106/214		
1062.	0202/214		
1063.	0301/214		
1064.	0302/214		
1065.	0304/214		
1066.	0305/214		
1067.	0401/214		
1068.	0404/214		
1069.	0405/214		
1070.	0504/102	Technical Drawing & Engineering Science	2 ½ hrs
1071.	0504/202	Technical Drawing & Engineering Science	2 ½ hrs
1072.	05041/102	Mathematics I and Applied Science I	2 ½ hrs
1073.	05041/202	Mathematics II and Applied Science II	2 ½ hrs
1074.	1080/213	Strength & Properties of Materials	3 hrs
1075.	1102/312	Technical Drawing	3 hrs
1076.	1103/312		
1077.	1105/312		
1078.	1106/312		
1079.	1202/315	Electrical Maintenance & Fault Diagnosis	3 hrs
1080.	1204/312	Electronic Instruments & Fault Diagnosis (Theory)	3 hrs
1081.	1301/312	Technical Drawing	3 hrs
1082.	1304/312		
1083.	1305/312		
1084.	1308/312	Survey Drawing	3 hrs
1085.	1309/312	Soil Mechanics & Engineering Materials	3 hrs
1086.	1314/102	Water and Waste Water I	3 hrs
1087.	1314/202	Water and Waste Water II	3 hrs
1088.	1401/312	Pattern Drafting and Grading Practical	4 hrs
1089.	1501/104	Technical Drawing I	3 hrs
1090.	1508/104		
1091.	1509/104		
1092.	1503/104	Technical Drawing I	3 hrs
1093.	1504/104	Cargo Work	3 hrs
1094.	15041/104	Seamanship	3 hrs
1095.	1505/104	Technical Drawing & Workshop Technology	3 hrs
1096.	1505/204	Workshop Technology	3 hrs
1097.	15051/104	Marine Engineering Knowledge I	3 hrs
1098.	15051/204	Marine Engineering Knowledge II	3 hrs
1099.	1507/112	Food Science & Nutrition	3hrs
1100.	1907/102		
1101.	1802/102		

1102.	1819/102		
1103.	1507/212B	Baking Control	3 hrs
1104.	1907/202		
1105.	1521/102	Mathematics & Trade Science I	3 hrs
1106.	1522/102		
1107.	1521/204	Micro-Electronics, Electrical Principles II, Electrical Maintenance And Fault Diagnosis	3 hrs
1108.	1601/204		
1109.	1522/204	Micro Electronics, Electrical Principles and Fault Diagnosis	3 hrs
1110.	1602/204		
1111.	1601/102	Applied Science, Electrical Principles I and Electronics	3 hrs
1112.	1602/102		
1113.	1801/104	Textile Material Knowledge and Fabric Colouration Theory	3 hrs
1114.	1801/202	Garment Cutting and Making Theory, Pattern Drafting II and Grading	4 hrs
1115.	1802/202	Food and Beverage Control and Catering Premises & Equip	3 hrs
1116.	1804/102	Fundamentals in Childcare and Protection.	3 hrs
1117.	1804/202	Legal Framework in Childcare Protection	3 hrs
1118.	1805/102	Sociology, Social Policy and Administration	3 hrs
1119.	1805/202	Introduction to Community Development	3 hrs
1120.	1901/102	Earth and Physical Sciences	3 hrs
1121.	1901/202	Exploration Geophysics & Seismic Techniques	3 hrs
1122.	1903/102	Applied Science and Laboratory Practice	3 hrs
1123.	1903/202	Food Chemistry and Food Microbiology	3 hrs
1124.	1904/102	Principles of Laboratory & Workshop Practice I	3 hrs
1125.	1904/202	Principles Laboratory & Workshop Practice II	3 hrs
1126.	1905/102	Applied Physical Sciences, Applied Biological Sciences, Anatomy and Physiology	3 hrs
1127.	1905/202	Community Diagnosis & Mobilization, Introduction to Nutrition Surveillance and Nutrition in Emergency	3 hrs
1128.	1906/102	Applied Science	3 hrs
1129.	1906/205	Agricultural Economics, Farm Management and Extension	3 hrs
1130.	1908/102	Fish Biology & Aquatic Ecology	3 hrs
1131.	1908/202	Fisheries Resource Management & Marketing	3 hrs
1132.	1501/205	Production Processes Technology	3 hrs
1133.	1503/205	Engine Technology and Auto-Electrics	3 hrs
1134.	1508/205	Fabrication and Welding Technology I, Materials & Metallurgy II	3 hrs
1135.	1509/205	Vehicle Technology and Construction Plant II	3 hrs
1136.	1704/105	Site Management and Construction Plant	3 hrs
1137.	2506/207	Theory of Flight	3 hrs
1138.	2506/307	Airframe Systems II and Airfield Safety III	3 hrs
1139.	2507/207	Electric Circuit Analysis	3 hrs
1140.	2507/307	Automatic Pilot System and Airfield Safety & Procedures III	3 hrs
1141.	2916/204	Introduction to Microbiology, First Aid and Principles of Food Processing and Preservation	3 hrs
1142.	2916/304	Communicable and Non-Communicable Diseases and Nutrition Epidemiology	3 hrs
1143.	1410/202	Law, History & Government	3 hrs

1144.	2402/303	Food and Beverage Service & Sales Theory	3 hrs
1145.	2419/303		
1146.	2802/203	Food And Beverage Control Theory	3 hrs
1147.	2802/303	Principles and Practice of Management	3 hrs
1148.	2819/303		
1149.	2920/303		
1150.	2803/203	Fashion Design & Sketching II and Cutting Technology II Theory	3 hrs
1151.	2803/303	Fashion Marketing	3 hrs
1152.	2819/103	Food & Beverage Service and Control Theory	3 hrs
1153.	2830/204	Fabric Design and Analysis	3 hrs
1154.	2830/303	Fabric Processing, Machinery and Textile Design	3 hrs
1155.	2920/202	Baking control and Baking Material Science	3 hrs
1156.	1403/311	Food Engineering	3 hrs
1157.	2401/301	Pattern Drafting & Grading Practical	4 hrs
1158.	25041/102	Ship construction	3 hrs
1159.	25041/202	Ship stability	3 hrs
1160.	25041/302	Marine Technology	3 hrs
1161.	25051/102	Marine Electrical Technology I	3 hrs
1162.	25051/202	Marine Electrical Technology II	3 hrs
1163.	25051/302	Marine Instrumentation Control Engineering	3 hrs
1164.	2830/103	Introduction To Textile Technology, Spinning Preparation and Quality Control	3 hrs
1165.	2913/205	Food Engineering II	3 hrs
1166.	2913/305	Food Engineering III & Technology of Specific Products II	3 hrs
1167.	3080/203	Construction Technology Paper II	3 hrs
1168.	3081/202	Structures I	3 hrs
1169.	3082/203	Structures Including Highways Eng.	3 hrs
1170.	3084/203		
1171.	3083/202	Highway Engineering I	3 hrs
DAY 13			
Wednesday, August 2, 2023			
1172.	0501/101	General Education (Engineering) I	1 hr
1173.	0516/101		
1174.	0503/101		
1175.	0505/101		
1176.	0601/101		
1177.	0701/101		
1178.	0702/101	General Education (Engineering) II	1 hr
1179.	0501/201		
1180.	0503/201		
1181.	0505/201		
1182.	0601/201		
1183.	0701/201	General Education (Science) I	1 hr
1184.	0702/201		
1185.	0602/101		
1186.	0801/101		
1187.	0901/101		
1188.	0902/101		

1189.	0903/101		
1190.	0904/101		
1191.	0920/101		
1192.	0602/201	General Education I (Science) Level II	1 hr
1193.	0801/201		
1194.	0901/201		
1195.	0902/201		
1196.	0903/201		
1197.	0904/201		
1198.	0920/201		
1199.	1410/206	Kiswahili	3 hrs
1200.	1410/208/1	Kenyan Sign Language (KSL) Receptive Skills ans Grammer	3 hrs
1201.	1804/206	Leadership and Management	3 hrs
1202.	1805/108/1	Kenyan Sign language- Receptive skills	3 hrs
1203.			
1204.	2206/308	Aeronautics	3 hrs
1205.	2208/306	Hospital Engineering I and II	3 hrs
1206.	2301/306	Water Supply	3 hrs
1207.	2302/306	Waste Water	3 hrs
1208.	2303/306	Water Conservation	3 hrs
1209.	2304/306	Drilling, Mechanical and Electrical Technology	3 hrs
1210.	2305/306	Construction Management	3 hrs
1211.	2306/306	Construction Management	3 hrs
1212.	2307/306	Civil Engineering, Construction & Drawing	3 hrs
1213.	2308/306	Traffic Engineering	3 hrs
1214.	2309/306	Construction Management and Law	3 hrs
1215.	2310/306	Photogrammetry	3 hrs
1216.	2311/306	Topographic & Cadastral Cartography	3 hrs
1217.	2312/306	Survey Control & Engineering Survey	3 hrs
1218.	2313/306	Machine Printing & Print Finishing	3 hrs
1219.	2401/306	Fashion Design	3 hrs
1220.	2402/306	Food & Beverage Control	3 hrs
1221.	2420/203	Bakery Control, Principles of Accounts & Communication Skills	3 hrs
1222.	2420/303	Principles & Pract. of Mgmt & Mktg; Legal Aspect of bakery Ind.	3 hrs
1223.	2428/304	Transformation & Social Marketing	3 hrs
1224.	2709/204	Measurements of Building Works, Estimating & Costing I and Construction Management I	3 hrs
1225.	2710/204		
1226.	2705/304	Construction Management II, Estimating and Costing II	3 hrs
1227.	2707/304		
1228.	2709/304		
1229.	2710/304		
1230.	2803/204	Pattern Construction II and Grading techniques I Practical	4 hrs
1231.	2910/204	Farm Management and Agricultural Extension	3 hrs
1232.	2914/305	Microbiology and Parasitology II	3 hrs
1233.	2915/206	Analytical Chemistry Practical II	4 hrs
1234.	2916/105	Legal Aspects of Nutrition, HIV & AIDS, Nutrition in HIV & AIDS, Maternal and Child Health	3 hrs

1235.	25041/105	Seamanship and Meteorology	3 hrs
1236.	25041/205	Cargo handling and stowage	3 hrs
1237.	25041/305	Ship masters business and law	3 hrs
1238.	25051/105	Ship Construction	3 hrs
1239.	25051/205	Applied Mechanics	3 hrs
1240.	25051/305	Applied Thermodynamics and Fluid Mechanics	3 hrs
1241.	2802/304	Food and Beverage Service and Sales Management Theory	3 hrs
1242.	2819/304		
1243.	0401/211A	Pattern Drafting Practical	4 hrs
1244.	0504/104	Marine Engineering I	2½ hrs
1245.	0504/201	Marine Engineering II	2½ hrs
1246.	05041/104	General Marine Engineering knowledge I	2½ hrs
1247.	05041/204	General Marine Engineering knowledge II	2½ hrs
1248.	1080/217	Production Engineering I	3 hrs
1249.	1080/219	Plant Engineering I	3 hrs
1250.	1080/221	Automobile & Prime Movers Engineering I	3 hrs
1251.	1402/312	Food & Beverage Control Theory	3 hrs
1252.	1403/312	Food Microbiology & Food Chemistry	3 hrs
1253.	1404/312	Leather Production	3 hrs
1254.	1408/312	Physics Techniques	3 hrs
1255.	1409/312	Fish Handling, Processing & Preservation	3 hrs
1256.	1601/104	Technical Drawing	3 hrs
1257.	1602/104		
1258.	1704/104	Carpentry and Construction Materials I	3 hrs
1259.	1704/204	Building Services, Joinery & Construction Materials II	3 hrs
1260.	1819/105	Food & Beverage Service and Home Nursing theory	3hrs
1261.	1908/105	Food Processing & Preservation	3 hrs
1262.	1908/203	Fish Post-Harvest Management & Q.A	3 hrs
1263.	1102/313	Workshop Organization & Management	3 hrs
1264.	1103/313		
1265.	1105/313		
1266.	1106/313		
1267.	1202/312	Electrical Principles	3 hrs
1268.	1204/314	Electrical Engineering Principles	3 hrs
1269.	1501/102	Mechanical Science I and Electrical Principles	3 hrs
1270.	1508/102		
1271.	1509/102		
1272.	1501/202	Workshop Organisation and Management	3 hrs
1273.	1503/202		
1274.	1508/202		
1275.	1509/202		
1276.	1503/102	Applied Science, Electrical and Electronics Principles	3 hrs
1277.	1504/102	Seamanship I	3 hrs
1278.	1504/202	Seamanship & Management	3 hrs
1279.	15041/102	Ship construction	3 hrs
1280.	15041/202	Cargo Handling and Stowage	3 hrs
1281.	1505/102	Ship Construction & Naval Architecture I	3 hrs

1282.	1505/202	Ship Construction & Naval Architecture II	3 hrs
1283.	15051/102	Introduction to Ship Construction and Naval Architecture	3 hrs
1284.	15051/202	Ship Construction and Workshop Technology	3 hrs
1285.	1521/202	Workshop Organisation and Management	3 hrs
1286.	1522/202		
1287.	1601/202		
1288.	1602/202		
1289.	1903/104	Food Engineering I	3 hrs
1290.	1903/204	Food Processing and Preservation II	3 hrs
1291.	1906/104	Principles and Practices of Crop Production I, Seed Production and Soil Science	3 hrs
1292.	1906/202	Principles and Practices of Crop Production II	3 hrs
1293.	2402/302	Food & Beverage Production Theory	3 hrs
1294.	2419/302	Food & Beverage Production Theory	3 hrs
1295.	2525/101	ICT, Communication Skills and Entrepreneurship	3 hrs
1296.	2528/101		
1297.	2802/101		
1298.	2803/101		
1299.	2805/101		
1300.	2819/101		
1301.	2830/101		
1302.	2901/101		
1303.	2902/101		
1304.	2903/101		
1305.	2904/101		
1306.	2905/101		
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1313.	2912/101		
1314.	2913/101		
1315.	2914/101		
1316.	2915/101		
1317.	2916/101		
1318.	2920/101		
1319.	2921/101		
1320.	2922/101		
1321.	1404/311	Principles of Leather Manufacture	3 hrs
1322.	2913/203	Technology of Specific Products I	3 hrs
1323.	2913/304	Food Analysis & Instrumentation	3 hrs
DAY 14			
Thursday, August 3, 2023			
1324.	0101/213	Trade Theory	2½ hrs
1325.	0103/213	Trade Theory	2½ hrs

1326.	0105/213	Trade Theory	2½ hrs
1327.	0106/213	Trade Theory	2½ hrs
1328.	0202/213	Trade Theory	2½ hrs
1329.	0301/213	Trade Theory	2½ hrs
1330.	0302/213	Trade Theory	2½hrs
1331.	0304/213	Trade Theory	2½ hrs
1332.	0305/213	Trade Theory	2½ hrs
1333.	0401/213	Trade Theory	2½ hrs
1334.	0402/213	Trade Theory	2½ hrs
1335.	0404/213	Trade Theory	2½ hrs
1336.	0405/213	Trade Theory	2½hrs
1337.	0501/102	Metal Processing Technology Theory I	2 hrs
1338.	0501/202	Metal Processing Technology Theory II	2 hrs
1339.	0503/102	Motor Vehicle Technology Theory I	2 hrs
1340.	0503/202	Motor Vehicle Technology Theory II	2 hrs
1341.	0504/103	Seamanship & Environment Protection	2 ½ hrs
1342.	0504/203	Seamanship & Cargo II	2 ½ hrs
1343.	05041/103	Seamanship and Boat Handling Practices	2 ½ hrs
1344.	05041/203	Cargo Handling and Stowage	2 ½ hrs
1345.	0505/102	Refrigeration & Air Conditioning Theory I	2 hrs
1346.	0505/202	Refrigeration & Air Conditioning Theory II	2 hrs
1347.	0601/102	Electrical & Electronics Technology Theory I	2 hrs
1348.	0601/202	Electrical and Electronics Trade Theory II	2 hrs
1349.	0701/102	Appropriate Carpentry Trade Theory I	2 hrs
1350.	0701/202	Appropriate Carpentry Trade Theory II	2 hrs
1351.	0702/102	Building Technology Theory I	2 hrs
1352.	0702/202	Building Technology Theory	2 hrs
1353.	0801/102	Fashion Design & Garment Making Theory I	2 hrs
1354.	0801/202	Fashion Design and Garment Making Trade Theory II	2 hrs
1355.	0602/102	Information Communication Technology Theory I	2 hrs
1356.	0920/104		
1357.	0602/202	ICT Trade Theory II	2 hrs
1358.	0920/204		
1359.	0901/102	Hair Dressing & Beauty Therapy Theory I	2 hrs
1360.	0901/202	Hair Dressing & Beauty Therapy Theory II	2 hrs
1361.	0902/102	Food Processing Technology I Theory	2 hrs
1362.	0902/202	Food Processing Technology II Theory	2 hrs
1363.	0903/102	Leather Technology I Theory	2 hrs
1364.	0903/202	Leatherwork Technology Theory II	2 hrs
1365.	0904/102	Agri-business Trade Theory I	2 hrs
1366.	0904/202	Agri-business Trade Theory II	2 hrs
1367.	1080/216	Fluid Mechanics`	3 hrs
1368.	1801/102	Art, Fashion Design & Sketching and Pattern Drafting I	4hrs
1369.	2080/206	Machines & Utilization	3 hrs
1370.	2083/206		
1371.	2082/206	Communication Systems	3 hrs
1372.	2101/305	Materials & Metallurgy	3 hrs

1373.	2102/305	Plant Electrical & Instrumentation	3 hrs
1374.	2103/305	Engine & Auto Elec. Tech & Practical	3 hrs
1375.	2104/305	Engine & Vehicle Technology(Theory & Practice)	3 hrs
1376.	2105/305	Tractors & Power Units Post Harvest Technology	3 hrs
1377.	2106/305	Material Science & Metallurgy	3 hrs
1378.	2107/305	Airframe Technology	3 hrs
1379.	2108/305	Material Science & Metallurgy	3 hrs
1380.	2413/306	Unit Operations	3 hrs
1381.	2419/306	Accommodation Operations & Property Management	3 hrs
1382.	2422/306	Text Generation	3 hrs
1383.	2423/306	Machine Printing	3 hrs
1384.	2424/306	Box, Carton Manufacture and Packing	3 hrs
1385.	2502/205	Plant Electrical and Instrumentation	3 hrs
1386.	2913/103	Laboratory and Workshop Practice I	3 hrs
1387.	2429/306B	Pharmacology& Therapeutics Practical	4 hrs
1388.	2914/202	Taxonomy, Anatomy and Physiology	3 hrs
1389.	2915/304	Organic and inorganic Chemistry III	3 hrs
1390.	3081/205	Hydraulics, Geology & Soil Mechanics	3 hrs
1391.	3082/205		
1392.	3083/205		
1393.	1504/204	Navigation	3 hrs
1394.	15041/204	Terrestrial and Coastal Navigation	3 hrs
1395.	1805/104	Legal Aspects in social work	3 hrs
1396.	2401/304	Textile Science	3 hrs
1397.	2402/304	Principles of Accounts	3 hrs
1398.	25041/206	Watch keeping practices (Theory)	3 hrs
1399.	25051/106	General Marine and Motor Engineering knowledge I	3 hrs
1400.	25051/206	General Marine Engineering Knowledge II	3 hrs
1401.	25051/306	Motor Engineering Knowledge II	3 hrs
1402.	2508/306	Welding Processes	3 hrs
1403.	2709/203	Building Construction II, Workshop Technology II	3 hrs
1404.	2710/203		
1405.	2913/204	Food Processing and Preservation I	3 hrs
1406.	2913/303	Food Processing and Preservation II	3 hrs
1407.	2914/104	Taxonomy, Cytology and Microbiology	3 hrs
1408.	2915/204	Organic and inorganic Chemistry II	3 hrs
1409.	1202/313	Electrical Installation Technology	3 hrs
1410.	1204/315	Electronic Technology	3 hrs
1411.	1301/313	Site & Workshop Management	3 hrs
1412.	1304/313		
1413.	1305/313		
1414.	1308/313	Work Planning & Management	3 hrs
1415.	1309/313	Site Management	3 hrs
1416.	1401/313	Garment Designing, Cutting & Making Theory	3 hrs
1417.	1402/313	Food & Beverage Service Theory	3 hrs
1418.	1403/313	Food Processing & Preservation I	3 hrs
1419.	1404/313	Leather Goods Production	3 hrs

1420.	1406/313	Housekeeping & Maintenance Theory	3 hrs
1421.	1409/313	Food Chemistry, Microbiology & Engineering	3 hrs
1422.	1410/203	Project Dev., Management, Econ. & Admin.	3 hrs
1423.	1501/103	Mathematics I	3 hrs
1424.	1508/103		
1425.	1509/103		
1426.	1501/203	Mathematics II and Mechanical Science II	3 hrs
1427.	1508/203		
1428.	1509/203		
1429.	1503/103	Mathematics I	3 hrs
1430.	1503/203	Mathematics II	3 hrs
1431.	1504/103	Mathematics & Applied Science I	3 hrs
1432.	1505/103		
1433.	1521/103	Electrical and Electronic Technology	3 hrs
1434.	1521/203	Mathematics II	3 hrs
1435.	1522/203	Mathematics II	
1436.	1601/203	Mathematics II	
1437.	1602/203	Mathematics II	
1438.	1601/103	Mathematics I	3 hrs
1439.	1602/103		
1440.	1704/102	Mathematics I and Physical Science	3 hrs
1441.	1704/202	Mathematics II	3 hrs
1442.	1507/111	Baking & Confectionary Making I Theory	3 hrs
1443.	1907/103		
1444.	1507/211	Baking & Confectionary Making II Theory	3 hrs
1445.	1907/203		
1446.	1819/201	House Keeping and Front office Theory	3 hrs
1447.	2406/102	House Keeping Management Theory	3 hrs
1448.	2830/203	Industrial Organisation and Management and Quality Control in Knitting and Weaving	3 hrs
1449.	2830/304	Industrial Organization and Management II	3 hrs
1450.	1802/103	Food and Beverage Production Theory	3 hrs
1451.	1802/203	Food and Beverage Service and Sales Theory	3 hrs
1452.	1819/103	Food & Beverage Production and Control Theory	3 hrs
1453.	1903/103	Agricultural Production and Microbiology	3 hrs
1454.	1903/203	Food Engineering II	3 hrs
1455.	1906/103	Foundations of Sustainable Ecological Agriculture and Occupational Safety	3 hrs
1456.	1906/204	Appropriate Technology, Agro-Processing and Value Addition	3 hrs
1457.	1908/103	Food Chemistry & Microbiology	3 hrs
1458.	15041/103	Mathematics I and Applied science I	3 hrs
1459.	15051/103		
1460.	15041/203	Mathematics II	3 hrs
1461.	15051/203	Mathematics II and Applied science II	3 hrs
1462.	1908/204	Fish Technology	3 hrs
1463.	2802/102	Catering Premises, Equipment and Mathematics	3 hrs
1464.	2802/202	Nutrition, Diet Therapy and Home Nursing	3 hrs

1465.	2802/302	Sales and marketing	3 hrs
1466.	2920/302		
1467.	2803/102	Textile Science and Clothing Construction I Theory	3 hrs
1468.	2803/304	Pattern Construction III and Grading techniques II Practical	4 hrs
1469.	2819/202	Diet Therapy, Hospitality Accounting & Control II Theory	3 hrs
1470.	2920/102	Food Science and Nutrition	3 hrs
DAY 15			
Friday, August 4, 2023			
1471.	0504/101	Entrepreneurship and Communication Technology	2½ hrs
1472.	05041/101	Entrepreneurship and Communication Technology	2½ hrs
1473.	05041/201	Communications and Life Skills	2½ hrs
1474.	1501/101	ICT and Entrepreneurship	3 hrs
1475.	1503/101		
1476.	1508/101		
1477.	1509/101		
1478.	1601/101		
1479.	1602/101		
1480.	1704/101		
1481.	1501/201	Communication Skills	3 hrs
1482.	1503/201		
1483.	1508/201		
1484.	1509/201		
1485.	1521/201		
1486.	1522/201		
1487.	1601/201		
1488.	1602/201		
1489.	1704/201		
1490.	1504/101	Entrepreneurship & Communication Technology	3 hrs
1491.	1504/201	Ship Construction & Stability	3 hrs
1492.	15041/101	Entrepreneurship and Communication Technology	3 hrs
1493.	15051/101		
1494.	1505/101	Entrepreneurship & Communication Technology	3 hrs
1495.	1505/201	Marine Engineering & Management	3 hrs
1496.	15041/201	Communication skills and Fundamentals of Management	3 hrs
1497.	15051/201		
1498.	1507/113	ICT, Mathematics and Entrepreneurship	3 hrs
1499.	1907/101		
1500.	1801/101		
1501.	1802/101		
1502.	1803/101		
1503.	1804/101		
1504.	1805/101		
1505.	1819/101		
1506.	1901/101		
1507.	1903/101		
1508.	1904/101		
1509.	1905/101		

1510.	1906/101		
1511.	1908/101		
1512.	1507/212A		
1513.	1801/201		
1514.	1802/201		
1515.	1803/201		
1516.	1804/201		
1517.	1805/201		
1518.	1901/201	Communications Skills	3 hrs
1519.	1903/201		
1520.	1904/201		
1521.	1905/201		
1522.	1906/201		
1523.	1907/201		
1524.	1908/201		
1525.	1401/314	Material Science	3 hrs
1526.	1403/314	Food Processing and Preservation II	3 hrs
1527.	1404/314	Footwear Goods Production	3 hrs
1528.	1406/314	Laundry Theory	3 hrs
1529.	1408/314	Biology Techniques	3 hrs
1530.	1409/314	Fisheries Management, Marketing & Utilization	3 hrs
1531.	1410/204	Human Growth, Development & Community Health	3 hrs
1532.	1819/202	Laundry, Catering and Accommodation Premises Theory	3 hrs
1533.	2406/202	Laundry and Dry Cleaning Theory	3 hrs
1534.	2419/304	Principles of Accounting & Management	3 hrs
1535.	2420/202	Bread Making & Flour Conf. Theory II	3 hrs
1536.	2420/302	Bread Making & Flour Conf. Theory III	3 hrs
1537.	2802/104	Food and Beverage Service Theory	3 hrs
1538.	2802/204	Food Production Management Theory	3 hrs
1539.	2819/204		
1540.	2803/104	Pattern Construction I Practical	4 hrs
1541.	2913/301	Product Development, Industrial Organization & Management	3 hrs
1542.	2920/104	Baking I Theory	3 hrs
1543.	2920/203	Baking II Theory (Bread & Confectionery)	3 hrs
1544.	2920/304	Baking III Theory (Bread and Confectionery)	3 hrs
1545.	25041/103	Mathematics I and Applied science	3 hrs
1546.	25051/103		
1547.	25041/203	Mathematics II	3 hrs
1548.	25051/203	Engineering Mathematics II	3 hrs
1549.	25041/303	Ship board operations and marine environment	3 hrs
1550.	25051/303	Engineering Mathematics III	3 hrs
1551.	2830/102	Mathematics I, Physics and Technical Drawing	3 hrs
1552.	2830/202	Mathematics II	3 hrs
1553.	2830/302	Dyeing and Printing technology	3 hrs
1554.	2913/202	Food Analysis and Quality Assurance	3 hrs
1555.	2914/102	Mathematics and Applied Science	3 hrs
1556.	2915/102		

1557.	2915/202	Industrial Chemistry I and Instrumental Methods of Analysis I	3 hrs
1558.	2915/302	Instrumental Methods II and Biochemistry	3 hrs
1559.	2401/305	Industrial Org. & Management	3 hrs
1560.	1080/211	Mathematics	3 hrs
1561.	1102/311	Mathematics & Engineering Science	3 hrs
1562.	1103/311		
1563.	1105/311		
1564.	1106/311		
1565.	1202/311	Mathematics	3 hrs
1566.	1204/311	Mathematics	3 hrs
1567.	1301/311	Mathematics	3 hrs
1568.	1304/311		
1569.	1305/311		
1570.	1309/311		
1571.	1308/311	Mathematics	3 hrs
1572.	1402/311	Food & Beverage Production Theory	3 hrs
1573.	2803/202	Textile Science II and Clothing Construction II Theory	3 hrs
1574.	2803/302	Clothing Construction III Theory	3 hrs
1575.	2819/102	Food & Beverage Production ,Nutrition & Mathematics	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. All sessions will normally start at 8.00 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:
- 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;
 - 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;
 - 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