



# THE KENYA NATIONAL EXAMINATIONS COUNCIL

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

## 2016 OCTOBER/NOVEMBER 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 handicapped candidates will ***NOT*** be given extra time other than what is stated on their respective papers. They are allowed 30 minutes over and above the times indicated on this timetable for all subjects. Any time allocated to reading through questions is included in the total time shown, except when special paper instructions indicate otherwise.
- 1.2 All Examinations will start in the morning with the first session starting at 8.00 a.m.
- 1.3 Your attention is drawn to the regulations governing the conduct of candidates on the last page of this Timetable.
- 1.4 Supervisors **MUST** ensure that candidates have written their names, index numbers and have signed on their answer scripts before they collect the scripts from the candidates.

### 2.0 EXAMINATION PERIOD AND DATES FOR PRACTICAL & PROJECT ASSESSMENT OCTOBER/NOVEMBER 2016

DATE	PAPER CODE	PAPER NAME	DURATION	
2.  <b>START OF PRACTICAL PAPERS</b>  <b>WEDNESDAY 2<sup>ND</sup> NOVEMBER 2016</b>	1.	0101/211	Trade Practice	12 hrs
	2.	0103/211	Trade Practice	12 hrs
	3.	0105/211	Trade Practice	12 hrs
	4.	0106/211	Trade Practice	12 hrs
	5.	0202/211	Trade Practice	6 hrs
	6.	0301/211	Trade Practice	8 hrs
	7.	0302/211	Trade Practice	8 Hrs
	8.	0304/211	Trade Practice	8 hrs
	9.	0305/211	Trade Practice	8 hrs
	10.	0401/211B	Trade Practice	4 hrs
	11.	0402/211	Trade Practice, Food and Beverage Production	5 hrs
	12.	0402/216	Trade Practice on Food and Beverage Service	3 hrs
	13.	0404/211	Trade Practice	9 hrs
	14.	0405/211	Trade Practice	9 hrs
	15.	0501/103	Metal Processing Technology Practice Level I	9 hrs
	16.	0501/203	Metal Processing Technology Practice Level II	9 hrs
	17.	0503/103	Motor Vehicle Practice level I	16 hrs
	18.	0503/203	Motor Vehicle Practice Level II	16 Hrs
	19.	0504/105	Trade Practice I	6 hrs
	20.	0504/204	Trade Practice II	6 hrs
	21.	0505/103	Refrigeration and Air Conditioning Trade Practice I	6 hrs
	22.	0505/203	Refrigeration and air Conditioning Trade Practice II	9 hrs
	23.	0521/102 0601/103	Electrical & Electronics Technology Practice Level I	9 hrs
	24.	0531/102 0701/103	Appropriate Carpentry & Joinery Practice Level I	9 hrs
	25.	0531/202 0701/203	Appropriate Carpentry & Joinery Practice Level II	9 hrs
	26.	0902/103	Food Processing Technology Practice Level I	6 hrs
	27.	0902/203	Food Processing Technology Practice Level II	6 hrs
	28.	0534/102 0702/103	Building Technology Practice Level I	9 hrs
	29.	0541/102 0801/103	Fashion Design & Garment Making Practice Level I	7 hrs
	30.	0541/202 0801/203	Fashion Design & Garment Making Practice Level II	7 hrs
	31.	0901/103	Hair Dressing and Beauty Therapy Practice Level I	6 hrs
	32.	0901/203	Hair Dressing and Beauty Therapy Practice Level II	6 hrs
	33.	0903/103	Leather Technology Practice Level I	12 hrs
	34.	0904/103	Agribusiness Practice Level I	9 hrs
	35.	0904/203	Agribusiness Practice Level II	9 hrs
	36.	0521/202 0601/203	Electrical and Electronics Technology Practice II	8 hrs

<b>DATE</b>		<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DURATION</b>
<b>LAST DAY OF PRACTICAL PAPERS</b>  <b>TUESDAY 15<sup>TH</sup> NOVEMBER 2016</b>	37.	0602/203 0920/202	ICT Trade Practice Level II	6 hrs
	38.	0534/202 0702/203	Building Technology Practice Level II	9 hrs
	39.	0903/203	Leather Technology Practice Level II	12 hrs
	40.	1501/206	Mechanical Engineering trade Practice	25 hrs
	41.	1503/106	Motor Vehicle Technology Trade Practice I	6 hrs
	42.	1503/206	Motor Vehicle Technology Trade Practice II	6 hrs
	43.	1504/206	Trade Practice II	12 hrs
	44.	1505/106	Trade Practice I	12 hrs
	45.	1505/206	Trade Practice II	12 hrs
	46.	1508/106	Trade Practice I	18 hrs
	47.	1508/206	Trade Practice II	18 hrs
	48.	1507/114 1907/104	Bread & Confectionery Making I Practice	6 hrs
	49.	1507/213 1907/204	Bread & Confectionery Making II Practice	6 hrs
	50.	1521/206 1601/206	Trade Practice II	8 hrs
	51.	1521/104 1601/106 1602/106	Trade Practice I	8 hrs
	52.	1522/206 1602/206	Telecom Systems and Fault Diagnosis	12 hrs
	53.	1704/106	Building Construction Practice	15 hrs
	54.	1704/205	Building Construction Practice	18 hrs
	55.	1801/105	Fabric Colouration Practical	12 hrs
	56.	1801/203	Garment Making Practical (For Women)	7 hrs
	57.	1801/204	Garment Making Practical (For Men)	7 hrs
	58.	1801/205	Batik and Embroidery Practical	4 hrs
	59.	1802/104 1819/104	Food and Beverage Production Practical	6 hrs
	60.	1819/106	Food & Beverage Service Practical	6 hrs
	61.	1819/203	House Keeping Practical	6 hrs
	62.	1802/204	Food and Beverage Service and Sales Practical	3 hrs
	63.	1819/204	Laundry Practical	6 hrs
	64.	0920/102 0602/103	Information Communications Technology Practice Level I	6 hrs
	65.	2401/302	Garment Cutting and Making Practical	6 hrs
	66.	2402/301 2419/301	Food & Beverage Management Practice	6 hrs
	67.	2406/101	House Keeping Management Practice	6 hrs
	68.	2406/201	Laundry and Dry Cleaning Practice	9 hrs
	69.	2420/201A	Bread Making Practice II	8 hrs
	70.	2420/201B	Flour & Confectionery Practice II	6 hrs
	71.	2420/301	Bread Making & Flour Confectionery Practice III	12 hrs
	72.	2920/105	Baking I Practice (Bread)	6 hrs
	73.	2920/204	Baking II Practice (Bread)	6 hrs
	74.	2920/305	Baking III Practice (Bread)	8 hrs
	75.	2920/106	Baking I Practice (Confectionery)	6 hrs
	76.	2920/205	Baking II Practice (Confectionery)	6 hrs
	77.	2920/306	Baking III Practice (Confectionery)	8 hrs
	78.	2802/105 2819/105/1	Food and Beverage Production Practical	6 hrs
	79.	2802/205 2819/205	Food Production Management Practice	6 hrs
	80.	2803/105	Clothing Construction I Practical	6 hrs
	81.	2803/205	Clothing Construction II Practical	6 hrs
	82.	2803/305	Clothing Construction III Practical	6 hrs
	83.	2802/106 2819/105/2	Food and Beverage Service Practical	6 hrs
	84.	2819/106	Accommodation Operations Practice	7 hrs
	85.	2819/203	Accommodation Operations Management I Practice (Laundry)	7 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		86.	2819/302	Accommodation Operations Management II Practice (House Keeping)	6 hrs
		87.	2802/305 2819/305	Food and Beverage Service and Sales Management Practice	7½ hrs
		88.	2830/105	Spinning Machinery and Maintenance Practical	6 hrs
		89.	2830/205	Weaving and Knitting Machinery practical	6 hrs
		90.	2830/305	Quality Control, Analysis and Testing Practical	6 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
2.	<b>WEDNESDAY 16<sup>TH</sup> NOVEMBER 2016</b>	1.	1501/101 1503/101 1508/101 1601/101 1602/101 1704/101	ICT and Entrepreneurship	3 hrs
	<b>1<sup>ST</sup> MORNING SESSION</b>	2.	0504/101	Entrepreneurship & Communication Technology	3 hrs
	<b>8.00 A.M.</b>	3.	1501/201 1503/201 1508/201 1521/201 1522/201 1601/201 1602/201 1704/201	Communication Skills	3 hrs
	<b>DAY 1</b>	4.	1504/201	Ship Construction & Stability	3 hrs
		5.	1505/101	Entrepreneurship & Communication Technology	3 hrs
		6.	1505/201	Marine Engineering & Management	3 hrs
		7.	1521/101 1522/101	ICT Technical Drawing and Entrepreneurship	3 hrs
		8.	1507/113 1907/101 1801/101 1802/101 1819/101 1901/101	ICT, Mathematics and Entrepreneurship	3hrs
		9.	1507/212A 1801/201 1802/201 1901/201 1907/201	Communications Skills	3 hrs
		10.	0101/213	Trade Theory	2½ hrs
		11.	0103/213	Trade Theory	2½ hrs
		12.	0105/213	Trade Theory	2½ hrs
		13.	0106/213	Trade Theory	2½ hrs
		14.	0202/213	Trade Theory	2½ hrs
		15.	0301/213	Trade Theory	2½ hrs
		16.	0302/213	Trade Theory	2½ hrs
		17.	0304/213	Trade Theory	2½ hrs
		18.	0305/213	Trade Theory	2½ hrs
		19.	0401/213	Trade Theory	2½ hrs
		20.	0402/213	Trade Theory	2½ hrs
		21.	0404/213	Trade Theory	2½ hrs
		22.	0405/213	Trade Theory	2½ hrs
		23.	1080/211	Mathematics	3 hrs
		24.	2080/201 2081/201 2082/201 2083/201	Mathematics	3 hrs
		25.	2401/301	Pattern Drafting & Grading Practical	4 hrs
		26.	2425/101	Principles of Crop Production I & Soil Science	3 hrs
		27.	2425/201	Principles of Crop Production II & Soil Fertility & Plant Nutrition	3 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		28.	2425/301	Crop Production III	3 hrs
		29.	2426/101 2427/101A	Nutrition, Community Health & Diet Therapy I Practice	3 hrs
		30.	2426/201 2427/201A	Nutrition & Diet Therapy II Practice	3 hrs
		31.	2426/301 2427/301	Diet Therapy III Practice & Theory	3 hrs
		32.	3084/201	Soil Mechanics & Foundation Engineering	3 hrs
		33.	3301/214	Plane Surveying	3 hrs
		34.	3302/214	Image Processing & Interpretation	3 hrs
		35.	3303/214	Computer Assisted Cartography	3 hrs
2.	<b>WEDNESDAY 16<sup>TH</sup> NOVEMBER 2016</b>  <b>2<sup>ND</sup> MORNING SESSION</b>  <b>11.30 A.M.</b>  <b>DAY 1</b>	36.	2205/301	Systems analysis & Design	3 hrs
37.		2207/302	Telecommunication Principles	3 hrs	
38.		2301/303 2302/303	Structures	3 hrs	
39.		2303/303	Hydrological Processes	3 hrs	
40.		2304/303	Hydrogeology	3 hrs	
41.		2305/303 2307/303 2308/303	Structures	3 hrs	
42.		2311/303 2312/303	Photogrammetry and Remote Sensing	3 hrs 3 hrs	
43.		2313/303	Cartography, Photogrammetry & Remote Sensing	3 hrs	
44.		2402/302 2419/302	Food & Beverage Production Theory	3 hrs	
45.		2403/301	Food Engineering	3 hrs	
46.		2406/302	Communication Skills	3 hrs	
47.		2404/301	Taxonomy, Ecology, Soil-Study Herbarium, Aquarium and Vivarium	3 hrs	
48.		2407/301	Parasitology & Histological Techn.	3 hrs	
49.		2411/301	Physical Chemistry	3 hrs	
50.		2416/301 2417/301 2418/301	Art Studio Organization & Management	3 hrs	
51.		2422/301 2423/301 2424/301	Industrial Organization and Management	3 hrs	
52.		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	
53.		2504/101	Entrepreneurship and Communication Technology	3 hrs	
54.		2505/101	Entrepreneurship and Communication Skills	3 hrs	
55.		2506/101 2507/101	Entrepreneurship & Communication Technology	3 hrs	
56.		2506/201	Aircraft Propeller Systems	3 hrs	
57.		2507/201	Aircraft Instruments and Measurement Systems	3 hrs	
58.	2521/101	ICT, Entrepreneurship, Life and Communication Skills	3 hrs		
59.	2501/201 2502/201 2503/201 2508/201 2509/201	Industrial Organisation and Management	3 hrs		
60.	2505/301	Marine Organisation and Management	3 hrs		
61.	2504/302	Ship Stability and Handling	3 hrs		
62.	2506/301 2507/301	Industrial Organisation and Management	3 hrs		

<b>DATE</b>	<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DURATION</b>
	63. 2501/301 2503/301 2508/301 2509/301	Computer Aided Drawing	3 hrs
	64. 2502/301	Computer Aided Drawing	3 hrs
	65. 2504/201	Chart Work Practices	3 hrs
	66. 2505/201	Ship Construction & Naval Architecture II	3 hrs
	67. 2525/101 2528/101 2802/101 2803/101 2805/101 2819/101 2830/101 2901/101 2902-09/101 2910/101 2920/101 2921/101 2922/101	ICT, Communication Skills and Entrepreneurship	3 hrs
	68. 2802/201	Hospitality Accounting and Law	3 hrs
	69. 2802/301 2920/301	Human Relations	3 hrs
	70. 2803/201	Industrial Organization Management I & Quality Control I	3 hrs
	71. 2803/301	Industrial Organization Management II & Quality Control II	3 hrs
	72. 2805/201	Legal Instruments for Child Protection	3 hrs
	73. 2528/201 2922/201	Earth Science and Environmental Information Systems	3 hrs
	74. 2528/301 2922/301	Atmospheric Science	3 hrs
	75. 2910/103	Crop Enterprise Management I and Foundations of Sustainable Agriculture	3 hrs
	76. 2910/202	Crop enterprise management II	3 hrs
	77. 2910/301	Crop enterprise management III	3 hrs
	78. 2920/201	Accounting and Legal Aspects	3 hrs
	79. 2830/201	Weaving and Knitting Machinery practical	3 Hrs
	80. 2830/301	Textile Preparation and Finishing Processes	3 hrs
	81. 3081/202	Structures I	3 hrs
	82. 3083/202	Highway Engineering I	3 hrs
	83. 2521/202	Industrial Control Systems	3 hrs
	84. 2601/201 2602/201 2603/201	Control Systems and Programmable Logic Controllers	3 hrs
	85. 2521/301 2601/301 2602/301 2603/301	Industrial management and Engineering Contracts	3 hrs
	86. 2705/204 2707/204	Measurement of Building and Civil Engineering Works, Estimating and Costing I	3 hrs
	87. 2709/205	Architectural Landscaping, Graphic design I Architectural Technology	4 hrs
	88. 2710/205	History of Architecture	3 hrs
	89. 2710/305	Environmental Planning and Management	3 hrs
	90. 2428/101	Social Work, Theory Practice & Community Development	3 hrs
	91. 2428/201	Resource Mobilization, Fund Raising & Project Management	3 hrs
	92. 2805/303	Resource Mobilization and Project Management	3 hrs
	93. 2428/301	Social Psychology & Human Development	3 hrs
	94. 2428/304	Transformation & Social Marketing	3 hrs
	95. 2429/301	Social and Administrative Pharmacy	3 hrs
	96. 2901/202	Research methods	3 hrs
	97. 2901/302	Project Management	3 Hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		98.	3402/201	Trends and Issues in Education and Training	3 hrs
		99.	4080/201	Physical Chemistry	3 hrs
		100.	4082/201	Animal Physiology I	3 hrs
		101.	4089/201	Food Engineering Systems	3 hrs
2.	<b>THURSDAY</b> <b>17<sup>TH</sup></b> <b>NOVEMBER</b> <b>2016</b>  <b>1<sup>ST</sup> MORNING</b> <b>SESSION</b>  <b>8.00 A.M.</b>  <b>DAY 2</b>	102.	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
		103.	0504/102	Technical Drawing & Engineering Science	3 hrs
		104.	0504/202	Technical Drawing & Engineering Science	3 hrs
		105.	1080/213	Strength & Properties of Materials	3 hrs
		106.	1501/104 1508/104	Technical Drawing I	3 hrs
		107.	1503/104	Technical Drawing I	3 hrs
		108.	1501/204 1503/204 1508/204	Technical Drawing II	3 hrs
		109.	1505/104	Technical Drawing & Workshop Technology	3 hrs
		110.	1505/204	Workshop Technology	3 hrs
		111.	1507/212B 1907/202	Baking Control	3 hrs
		112.	1521/102 1522/102	Mathematics & Trade Science I	3 hrs
		113.	1601/102 1602/102	Applied Science, Electrical Principles & Electronics	3 hrs
		114.	1521/204 1601/204	Micro-Electronics, Electrical Principles II, Electrical Maintenance And Fault Diagnosis	3 hrs
		115.	1522/204 1602/204	Micro Electronics, Electrical Principles and Fault Diagnosis	3 hrs
		116.	1507/112 1907/102 1802/102 1819/102	Food Science & Nutrition	3hrs
		117.	1802/202	Food and Beverage Control and Catering Premises & Equip	3 hrs
		118.	1901/102	Earth and Physical Sciences	3 hrs
		119.	1801/102	Art, Fashion Design & Sketching and Pattern Drafting I	4hrs
		120.	1801/202	Garment Cutting and Making Theory, Pattern Drafting II	4 hrs
		121.	1901/202	Exploration Geophysics & Seismic Techniques	3 hrs
		122.	2101/301 2102/301 2103/301 2104/301 2105/301 2106/301 2107/301 2108/301	Mathematics	3 hrs
		123.	2201/301 2203/301 2204/301 2206/301	Mathematics	3 hrs
		124.	2207/301	Mathematics	3 hrs
		125.	2208/301	Mathematics	3 hrs
		126.	2413/301	Mathematics	3 hrs
		127.	2209/101	Introduction to Computers & Principles of Operating Systems	3 hrs

	DATE	PAPER CODE	PAPER NAME	DURATION
		128. 2209/201	System Analysis and Design	3 hrs
		129. 2209/301	Quantitative Methods	3 hrs
		130. 2501/103 2502/103 2503/103 2508/103 2509/103	Engineering Mathematics I	3 hrs
		131. 2501/203 2502/203 2503/203 2508/203 2509/203	Engineering Mathematics II	3 hrs
		132. 2501/303 2502/303 2503/303 2508/303 2509/303	Engineering Mathematics III	3 hrs
		133. 2504/103 2505/103	Mathematics I & Applied Science	3 hrs
		134. 2504/203 2505/203	Engineering Mathematics I	3 hrs
		135. 2504/303	Ship Power Plant	3 hrs
		136. 2505/303	Engineering Mathematics II	3 hrs
		137. 2506/103 2507/103	Engineering Mathematics I & Engineering Science I	3 hrs
		138. 2506/203 2507/203	Engineering Mathematics II	3 hrs
		139. 2506/303 2507/303	Engineering Mathematics III	3 hrs
		140. 2525/102 2921/102	Applied Science I	3 hrs
		141. 2525/201 2921/201	Applied Science II	3 hrs
		142. 2525/305 2921/305	Natural Resource Management	3 hrs
		143. 2528/102 2922/102	Environmental Chemistry & Applied Science	3 hrs
		144. 2528/202 2922/202	Environmental Pollution Control, Health and Safety	3 hrs
		145. 2528/302 2922/302	Environmental waste Management EIA and Environmental Law	3 hrs
		146. 2429/304B	Pharmaceutical Chemistry Practical	4 hrs
		147. 2830/102	Mathematics I, Physics and Technical Drawing	3 hrs
		148. 2830/202	Mathematics II	3 hrs
		149. 2830/302	Dyeing and Printing technology	3 hrs
		150. 2901/102	Applied Mathematics and Economics	3 hrs
		151. 2901/201	Applied Mathematics	3 hrs
		152. 2901/301	Financial Accounting	3 Hrs
		153. 2902-09/105	Personal development I and Life skills	3 hrs
		154. 2902-09/203	Contextual and Multicultural Issues in Counselling and Research Methods	3 Hrs
		155. 2910/102	Applied Science I	3 hrs
		156. 2910/201	Applied Science II	3 hrs
		157. 2910/302	Agricultural Biochemistry and Agro-processing & value addition	3 hrs
		158. 3402/101	Principles and Techniques of Education Management	3 hrs
		159. 4080/203	Organic Chemistry	3 hrs
		160. 4082/203	Pharmacology & Toxicology I	3 hrs
		161. 4089/203	Specific Products Technology	3 hrs
2.		162. 2080/203 2081/203 2082/203 2083/203	Electrical Measurements	3 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
1.	THURSDAY 17 <sup>TH</sup> NOVEMBER 2016  2 <sup>ND</sup> MORNING SESSION  11.30 A.M.  DAY 2	163.	2301/301 2302/301 2304/301	Mathematics	3 hrs
		164.	2305/301 2306/301 2307/301 2308/301 2309/301	Mathematics	3 hrs
		165.	2310/301 2311/301 2312/301 2313/301	Mathematics	3 hrs
		166.	2405/301	Mathematics	3 hrs
		167.	2426/202 2427/201B	Nutrition & Diet Therapy II Theory	3 hrs
		168.	2426/102 2427/101B	Nutrition, Community Health & Diet Therapy I Theory	3 hrs
		169.	2805/104	Child Health Care and Nutrition	3 hrs
		170.	2805/205	Community Development in Child care and Protection	3 hrs
		171.	2710/106	Architectural Communication and Technical Drawing	3 hrs
		172.	2710/206	Architectural Design and Landscaping	4 hrs
		173.	2521/102 2601/103 2602/103 2603/103	Mathematics	3 hrs
		174.	2521/201 2601/203 2602/203 2603/203	Mathematics	3 hrs
		175.	2521/303 2601/303 2602/303 2603/303	Mathematics	3 hrs
		176.	2803/104	Pattern Construction I Practical	4 hrs
		177.	2803/204	Pattern Construction II and Grading techniques I Practical	4 hrs
		178.	2803/304	Pattern Construction III and Grading techniques II Practical	4 hrs
		179.	2802/304 2819/304	Food and Beverage Service and Sales Management Theory	3 hrs
		180.	3301/211 3302/211 3303/211	Mathematics	3 hrs
		2.	FRIDAY 18 <sup>TH</sup> NOVEMBER 2016  1 <sup>ST</sup> MORNING SESSION  8.00 A.M.  DAY 3	181.	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
		182.	0504/103	Seamanship & Environment Protection	3 hrs
		183.	0504/203	Seamanship & Cargo II	3 hrs
		184.	1501/103 1508/103	Mathematics	3 hrs
		185.	1503/103	Mathematics	3 hrs
		186.	1501/203 1508/203	Mathematics and Mechanical Science II	3 hrs
		187.	1503/203	Mathematics	3 hrs
		188.	1504/103 1505/103	Mathematics & Applied Science I	3 hrs



DATE	PAPER CODE	PAPER NAME	DURATION
	189. 1504/203 1505/203	Mathematics & Applied Science II	3 hrs
	190. 1521/203 1522/203 1601/203 1602/203	Mathematics	3 hrs
	191. 1521/103	Electrical and Electronic Technology	3 hrs
	192. 1601/103 1602/103	Mathematics	3 hrs
	193. 1704/102	Mathematics I and Physical Science	3 hrs
	194. 1704/202	Mathematics II	3hrs
	195. 1801/103	Workshop Organisation and General Information	3hrs
	196. 1802/103	Food and Beverage Production Theory	3hrs
	197. 1802/203	Food and Beverage Service and Sales Theory	3 hrs
	198. 1819/103	Food & Beverage Production and Control Theory	3hrs
	199. 1901/103	Environmental Health, Safety, Legal and Policy Framework	3 hrs
	200. 1901/203	Petroleum Geology & The Fundamentals of Petroleum Exploration & Production	3 hrs
	201. 1080/212 2080/202 2081/202 2082/202	Industrial Org. & Management	3 hrs
	202. 2083/202	Industrial Org. & Management	3 hrs
	203. 2101/302 2102/302 2103/302 2104/302 2105/302 2106/302 2107/302 2108/302	Industrial Organisation & Management	3 hrs
	204. 2201/305 2203/305 2204/305 2206/305 2208/305	Industrial Organisation & Management	3 hrs
	205. 2205/305	Industrial Org. & Management	3 hrs
	206. 2207/305	Industrial Org. & Management	3 hrs
	207. 2209/102	Computer Applications	3 hrs
	208. 2209/202	Programming I	3 hrs
	209. 2209/302	Data Communications	3 hrs
	210. 2401/305	Industrial Org. & Management	3 hrs
	211. 2413/302	Industrial Org. & Management	3 hrs
	212. 2501/102 2502/102 2503/102 2508/102 2509/102	Mechanical Science & Electrical Principles	3 hrs
	213. 2501/202 2502/202 2503/202 2508/202 2509/202	Mechanics of Machines and Strength of Materials	3 hrs
	214. 2501/302 2502/302 2503/302 2508/302 2509/302	Control Systems and Instrumentation	3 hrs
	215. 2504/102	Marine Engineering & Construction Theory	3 hrs
	216. 2505/102	Marine Electrical and Electronics Technology	3 hrs
	217. 2504/202	Ship Construction and Cargo Work II	3 hrs
	218. 2505/202	Maritime Electronics Technology	3 hrs
	219. 2504/301	Marine Law and Management	
	220. 2505/302	Electrical Instrumentation and Control Technology	3 hrs

	DATE	PAPER CODE	PAPER NAME	DURATION
		221. 2506/102 2507/102	Aircraft Electrical Technology	3 hrs
		222. 2506/202 2507/202	Electronics and Control Systems	3 hrs
		223. 2506/302	Flight Mechanics	3 hrs
		224. 2507/302	Micro Controllers Technology	3 hrs
		225. 2521/103	Engineering Science and Drawing	3 hrs
		226. 2528/103 2922/103	Environmental Biology	3 hrs
		227. 2528/203 2922/203	Environmental Microbiology	3 hrs
		228. 2528/303 2922/303	Environmental Biochemistry and toxicology	3 hrs
		229. 2601/102 2602/102 2603/102	Physical, Mechanical Science and Electrical Principles	3 hrs
		230. 2521/203 2601/202 2602/202 2603/202	Digital and Analogue Electronics	3 hrs
		231. 2521/302 2601/302 2602/302 2603/302	Micro Controllers and Micro Processor Systems	3 hrs
		232. 2705/102 2707/102 2709/102 2710/102	Mathematics I and Physical Science	3 hrs
		233. 2705/203	Construction Management I and Workshop Technology II	3 hrs
		234. 2707/203	Construction Management I, Workshop Technology II & Water Supply	3 hrs
		235. 2709/203 2710/203	Building Construction II, Workshop Technology II	3 hrs
		236. 2705/303 2709/303 2710/303	Building Construction, Drawing III and Services	3 hrs
		237. 2707/303	Building Constriction III and Transportation Engineering II	3 hrs
		238. 2802/102	Catering Premises and Mathematics	3 Hrs
		239. 2802/202	Nutrition, Diet Therapy and Home Nursing	3 hrs
		240. 2802/302 2920/302	Sales and marketing	3 hrs
		241. 2819/102	Food & Beverage Production ,Nutrition & Mathematics	3 hrs
		242. 2803/102	Textile Science and Clothing Construction I Theory	3 hrs
		243. 2803/202	Textile Science II and Clothing Construction II Theory	3 hrs
		244. 2803/302	Clothing Construction III Theory	3 hrs
		245. 2805/304	Principles and Practices of Management	3 hrs
		246. 2819/202	Diet Theory, Hospitality Accounting & Control II Theory	3 hrs
		247. 2901/103	Engineering Drawing, W/Shop Technology, Environmental Health and Safety management	3 hrs
		248. 2901/203	Rocks, Fluids & Reservoir Geophysics	3 hrs
		249. 2901/303	Petroleum Exploration & Drilling	3 Hrs
		250. 2910/303	Development economics and Agricultural marketing	3 hrs
		251. 2920/102	Food Science and Nutrition	3 hrs
		252. 3080/201 3081/201 3082/201 3083/201	Mathematics	3 hrs
		253. 4080/207 4082/207 4089/207	Management and Statistics	3 hrs
2.		254. 1507/111 1907/103	Baking & Confectionary Making I Theory	3 hrs
		255. 1507/211 1907/203	Baking & Confectionary Making II Theory	3 hrs
		256. 1819/201	House Keeping and Front office Theory	3 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION		
1	FRIDAY 18 <sup>TH</sup> NOVEMBER 2016	2 <sup>ND</sup> MORNING SESSION	11.30 A.M.	DAY 3	257. 2301/304 2302/304	Surveying	3 hrs
					258. 2304/304	Photogeology	3 hrs
					259. 2305/302 2307/302 2308/302	Surveying	3 hrs
					260. 2306/302	Surveying	3 hrs
					261. 2309/302	Construction Technology & Services	3 hrs
					262. 2404/302	Cytology, Histology & Genetics	3 hrs
					263. 2406/102	House Keeping Management Theory	3 hrs
					264. 2406/301	Front Office Theory	3 hrs
					265. 2420/202	Bread Making & Flour Conf. Theory II	3 hrs
					266. 2420/302	Bread Making & Flour Conf. Theory III	3 hrs
					267. 2428/102	Development Economics & Entrepreneurship Education	3 hrs
					268. 2428/202	Resource Management HIV/AIDS	3 hrs
					269. 2428/302	Counselling Psychology, Social Rehab. & Reintegration	3 hrs
					270. 2428/305	Community Concerns & Dev. Methodologies	3 hrs
					271. 2429/302	Drug Supply Management	3 hrs
					272. 2525/103 2921/103	Crop Enterprise Management I	3 hrs
					273. 2525/202 2921/202	Crop Enterprise Management II	3 hrs
					274. 2525/302 2921/302	Agro Processing and Value Addition	3 hrs
					275. 2805/102	Child Growth development and Psychology	3 hrs
					276. 2805/203	Children in Juvenile Justice Systems and Behaviour Modification.	3 hrs
					277. 2830/103	Introduction To Textile Technology, Spinning Preparation and Quality Control	3 hrs
					278. 2830/203	Industrial Organisation and Management and Quality Control in Knitting and Weaving	3 Hrs
					279. 2830/304	Industrial Organization and Management II	3 hrs
					280. 3080/202	Construction Technology Paper I	3 hrs
					281. 3082/203 3084/203	Structures Including Highways Eng.	3 hrs
					282. 3301/212 3302/212 3303/212	Land Law, Environment, Physical, Planning Studies & GIS	3 hrs
					283. 3402/203	Research in Education and Training	3 hrs
					284. 3402/102	Management of Human Resources and Guidance and Counselling	3 hrs
2.	MONDAY 21 <sup>ST</sup> NOVEMBER 2016	1 <sup>ST</sup> MORNING SESSION	8.00 A.M.	DAY 4	285. 0401/211A	Pattern Drafting Practical	4 hrs
286. 0504/201					Marine Engineering II	3 hrs	
287. 1819/105					Food & Beverage Service and Home Nursing theory	3hrs	
288. 1704/104					Carpentry and Construction Materials I	3 hrs	
289. 1704/204					Building Services, Joinery & Construction Materials II	3 hrs	
290. 1901/104					Geodynamics, Stratigraphy and Sedimentology	3 hrs	
291. 1901/204					Workshop Technology & Practice	3 hrs	
292. 2101/303 2102/303 2103/303 2104/303 2105/303 2106/303 2107/303 2108/303					Mechanical Technology	3 hrs	
293. 2306/303					Building Const. Civil Eng. Constr. & Drawing	3 hrs	
294. 2309/303					Materials & Concrete Technology	3 hrs	
295. 2310/303 2311/304					Land Surveying	3 hrs	
296. 2401/303					Garment Cutting & Making Tech. Theory	3 hrs	
297. 2402/303 2419/303					Food and Beverage Service & Sales Theory	3 hrs	
298. 2403/303					Food Analysis	3 hrs	

DATE	PAPER CODE	PAPER NAME	DURATION
	299. 2405/303	Statistical Methods	3 hrs
	300. 2407/303	Chemical Pathology	3 hrs
	301. 2406/103	Principles and Practice of Management	3 hrs
	302. 2406/203	Applied Science	3 hrs
	303. 2406/303	Principles of Accounts	3 hrs
	304. 2411/303	Organic Chemistry	3 hrs
	305. 2413/303	Industrial Chemical Processes	3 hrs
	306. 2830/104	Spinning Processes and Machinery	3 hrs
	307. 2830/204	Fabric Design and Analysis	3 Hrs
	308. 2830/303	Fabric Processing, Machinery and Textile Design	3 hrs
	309. 2420/203	Bakery Control, Principles of Accounts & Communication Skills	3 hrs
	310. 2422/302 2423/302 2424/302	Printing Science & Materials Tech.	3 hrs
	311. 2426/302 2427/302	Food Science & Technology	3 hrs
	312. 2428/103	Community Based Organizations, Capacity Building & Empt	3 hrs
	313. 2428/203	Advocacy, Lobbying & Legal Aspects in Social Development	3 hrs
	314. 2428/303	Social Policy Administration and Disaster Management	3 hrs
	315. 2428/306	Gender Development & Community Leadership	3 hrs
	316. 2429/303	Pharmaceutics	3 hrs
	317. 2805/202	Case Management in Child Care and Protection	3 hrs
	318. 2805/302	Advocacy and Lobbying	3 hrs
	319. 2525/104 2921/104	Livestock Enterprise Management I	3 hrs
	320. 2910/104	Livestock Enterprise Management I	3 hrs
	321. 2525/203 2921/203	Livestock Enterprise Management II	3 hrs
	322. 2910/203	Livestock Enterprise Management II	3 hrs
	323. 2525/301 2921/301	Livestock Enterprise Management III	3 hrs
	324. 2528/204 2922/204	Environmental Analytical Techniques and laboratory Management	3 hrs
	325. 2705/103 2707/103 2709/103 2710/103	Structures I and Construction Materials	3 hrs
	326. 2705/202 2707/202 2709/202 2710/202	Structures II, Geotechnology II and Concrete Technology II	3 hrs
	327. 2705/302 2709/302 2710/302	Structures III	3 hrs
	328. 2707/302	Structures III	3 hrs
	329. 2802/103	Food and Beverage Production Theory	3 hrs
	330. 2802/203	Food And Beverage Control Theory	3 hrs
	331. 2803/103	Art, Fashion Design & Sketching and Cutting Technology I	3 hrs
	332. 2803/203	Fashion Design & Sketching II and Cutting Technology II Theory	3 hrs
	333. 2803/303	Fashion Marketing	3 hrs
	334. 2819/103	Food & Beverage Service and Control Theory	3 hrs
	335. 2802/303 2819/303 2920/303	Principles and Practice of Management	3 hrs
	336. 2901/104	Geodynamics, Sedimentology, Stratigraphy and Policy Framework	3 hrs
	337. 2920/103	Baking Control I and Mathematics	3 hrs
	338. 2902-09/102	Introduction to Psychology and Lifespan Development	3 hrs
	339. 2902-09/202	Group Counselling	3 Hrs
	340. 2920/202	Baking control and Baking Material Science	3 hrs
	341. 2528/304 2922/304	Environmental Analytical Techniques	3 hrs
	342. 3080/205	Measurements of Building Works	3 hrs
	343. 3083/203	Highway Engineering II	3 hrs
	344. 3084/205	Water Resources	3 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION	
		345.	3081/203	Structures II	3 hrs	
2.	<b>MONDAY 21<sup>ST</sup> NOVEMBER 2016</b>	346.	1080/218	Production Engineering II	3 hrs	
		347.	1080/220	Plant Engineering II	3 hrs	
		348.	1080/222	Automobile & Prime Movers Engineering II	3 hrs	
		349.	1501/102 1508/102	Mechanical Science and Electrical Principles	3 hrs	
		<b>2<sup>ND</sup> MORNING SESSION</b>	350.	1503/102	Applied Science, Electrical and Electronics Principles	3 hrs
			351.	1501/202 1503/202 1508/202	Workshop Organisation and Management	3 hrs
		<b>11.30 A.M.</b>	352.	1504/202	Seamanship & Management	3 hrs
			353.	1505/102	Ship Construction & Naval Architecture I	3 hrs
		<b>DAY 4</b>	354.	1505/202	Ship Construction & Naval Architecture II	3 hrs
			355.	1521/202 1522/202 1601/202 1602/202	Workshop Organisation and Management	3 hrs
			356.	1601/104 1602/104	Technical Drawing	3 hrs
			357.	2080/204 2081/204 2082/204 2083/204	Control Systems	3 hrs
			358.	2107/308	Airfield & Safety Procedures	3 hrs
			359.	2201/304 2203/304 2204/304	Control Systems	3 hrs
			360.	2206/302	Control Systems	3 hrs
			361.	2207/306	Airfield & Safety Procedure	3 hrs
			362.	2209/103	Information Systems Management	3 hrs
			363.	2209/203	Programming II	3 hrs
			364.	2416/302 2417/302 2418/302	Socio – Cultural Studies	3 hrs
			365.	2501/104 2508/104	Engineering Drawing I	3 hrs
			366.	2502/104 2503/104 2509/104	Engineering Drawing I	3 hrs
			367.	2501/204 2508/204	Engineering Drawing II and Design	3 hrs
			368.	2502/204	Plant Engineering Drawing	3 hrs
			369.	2503/204 2509/204	Engineering Drawing and Design	3 hrs
			370.	2501/304 2502/304 2503/304 2508/304 2509/304	Thermodynamics and Fluid Mechanics	3 hrs
			371.	2504/104	Navigation I	3 hrs
			372.	2505/104	Technical Drawing and Workshop Technology	3 hrs
			373.	2504/204	Navigation II	3 hrs
			374.	2505/204	Engineering Drawing & Design	3 hrs
			375.	2504/304	Navigation III	3 hrs
			376.	2505/304	Motor and Steam Engineering Knowledge	3 hrs
			377.	2506/104 2507/104	Engineering Drawing	3 hrs
			378.	2506/204 2507/204	Airfield Safety Procedures II and Research Methods	3 hrs
			379.	2506/304	Gas Turbine Engines	3 hrs
	380.	2507/304	Aircraft Communication, Surveillance and Navigation Systems	3 hrs		
	381.	2901/204	Petroleum Geochemistry	3 hrs		
	382.	2901/304	Geographic Information Science (GIS)	3 Hrs		
	383.	2910/204	Farm Management and Agricultural Extension	3 hrs		
	384.	2910/304	Management of Natural Resources and Community Development	3 hrs		

	DATE	PAPER CODE	PAPER NAME	DURATION
		385.		
		386. 2805/103	Child Care and Protection	3 hrs
		387. 3301/215	Survey Adjustments	3 hrs
		388. 3302/215	Photogrammetric Data Processing	3 hrs
		389. 3303/215	Cartographic Communication & Map Design	3 hrs
		390. 3402/204	Education Policy, Planning and Curriculum Management	3 hrs
		391. 4080/202	Inorganic Chemistry	3 hrs
		392. 4082/202	Animal Physiology II	3 hrs
		393. 4089/202	Food Processing & Preservation	3 hrs
		394. 2521/104	Electrical Installation and Principles	3 hrs
		395. 2528/104 2922/104	Environmental Laboratory Practice	3 hrs
2.	<b>TUESDAY</b>	396. 1080/214	Mechanics of Machines	3 hrs
	<b>22<sup>ND</sup></b>	397. 1704/105	Site Management and Construction Plant	3 Hrs
	<b>NOVEMBER</b>	398. 1901/105	Engineering Drawing	3 hrs
	<b>2016</b>	399. 1819/202	Laundry, Catering and Accommodation Premises Theory	3 hrs
	<b>1<sup>ST</sup> MORNING</b>	400. 2406/202	Laundry and Dry Cleaning Theory	3 hrs
	<b>SESSION</b>	401. 2201/303 2203/303 2206/303	Microprocessor Systems	3 hrs
	<b>8.00 A.M.</b>	402. 2205/303	Microprocessor Systems	3 hrs
	<b>DAY 5</b>	403. 2204/303	Electrical Power Systems	3 hrs
		404. 2207/303	Communication & Navigation System	3 hrs
		405. 2208/302	Medical Electronics	3 hrs
		406. 2413/304	Thermodynamics and Fluid Mechanics	3 hrs
		407. 2416/303 2417/303 2418/303	Graphic Reproduction	3 hrs
		408. 2601/104 2602/104 2603/104	Engineering Drawing , Materials and Workshop Technology	3 hrs
		409. 2521/304 2601/304	Power Electronics, Machines and Utilization	3 hrs
		410. 2602/304	Electromagnetic Field Theory & Communication Systems	3 hrs
		411. 2603/304	Electromagnetic Field Theory & Networking	3 hrs
		412. 2705/104 2707/104 2709/104 2710/104	Surveying I and Workshop Technology (Mechanical)	3 hrs
		413. 2705/201 2707/201 2709/201 2710/201	Mathematics II and Surveying II	3 hrs
		414. 2705/301 2707/301 2709/301 2710/301	Mathematics III and Surveying III	3 hrs
		415. 2802/104	Food and Beverage Service Theory	3 hrs
		416. 2802/204	Food Production Management Theory	3 hrs
		417. 2819/204	Food and Beverage Production Management Theory	3 hrs
		418. 2419/304	Principles of Accounting & Management	3 hrs
		419. 2901/105	Petroleum Geology and Exploration Techniques	3 hrs
		420. 2805/301	Care for Children with Special needs, Guidance, Mentorship and Self-care.	3 hrs
		421. 2920/104	Baking I Theory	3 hrs
		422. 2902-09/103	Theories of Counselling I and Counselling skills	3 hrs
		423. 2902-09/201	Theories of Counseling II and Personal Development II	3 hrs
		424. 2920/203	Baking II Theory (Bread & Confectionery)	3 hrs
		425. 2920/304	Baking III Theory (Bread and Confectionery)	3 hrs
		426. 3080/204 3082/204	Site Organisation, Administration and Work Study	3 hrs
		427. 3084/204	Irrigation Engineering	3 hrs
		428. 3301/213	Geophysics	3 hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		429.	3302/213	Remote Sensing	3 hrs
		430.	3303/213	Geography	3 hrs
		431.	3402/104	Communication, Marketing and Public Relations	3 hrs
2.	<b>TUESDAY</b>	432.	1501/105	Fabrication Technology, Materials and metallurgy	3 hrs
	<b>22<sup>ND</sup></b>	433.	1503/105	Vehicle Technology, Workshop Technology and Vehicle bodywork	3 hrs
	<b>NOVEMBER</b>	434.	1501/205	Production Processes Technology	3 hrs
	<b>2016</b>	435.	1508/205		3 hrs
		436.	1503/205	Engine Technology and Auto-Electrics	3 hrs
		437.	1508/105	Fabrication and Welding Technology I, Materials & Metallurgy I	3 hrs
	<b>2<sup>ND</sup> MORNING</b>	438.	1521/205 1601/205	Electrical Installation II, Estimating, Tendering, Industrial Machines and Controls	3 hrs
	<b>SESSION</b>	439.	1601/105 1602/105	Electrical and Solar Installation Technology	3 hrs
		440.	1522/205 1602/205	Telecommunication Systems	3 hrs
	<b>11.30 A.M.</b>	441.	2301/302 2302/302 2304/302	Hydraulics	3 hrs
	<b>DAY 5</b>	442.	2310/302 2311/302 2312/302 2313/302	Management	3 hrs
		443.	2403/302	Food Chemistry	3 hrs
		444.	2404/303	Microbiology, Parasitology & Immunology	3 hrs
		445.	2405/302	Applied Economics	3 hrs
		446.	2407/302	Haematology & Immuno-Haematology	3 hrs
		447.	2411/302	Inorganic Chemistry	3 hrs
		448.	2420/303	Principles & Pract. of Mgnt & Mktg; Legal Aspect of bakery Ind.	3 hrs
		449.	2425/102	Principles of Animal Production	3 hrs
		450.	2425/202	Animal Production II	3 hrs
		451.	2425/302	Animal Production III	3 hrs
		452.	2426/103A 2427/102	Legal Aspects of Dietetics & Communication Skills	3 hrs
		453.	2426/203A	Human Psychology & Computer Applications	3 hrs
		454.	2426/303 2427/303	Principles of Accounts and Practice of Management	3 hrs
		455.	2427/202	Human Psychology	3 hrs
		456.	2428/104	Communication Skills & Information Technology	3 hrs
		457.	2428/204	Statistics	3 hrs
		458.	2429/304 A	Pharmaceutical Chemistry Theory	3 hrs
		459.	2501/105	Structural Fabrication Technology, Material and Metallurgy I	3 hrs
		460.	2508/105	Fabrication and Welding Technology, Materials and Metallurgy I	3 hrs
		461.	2509/105	Engine and Construction Plant I Technology I	3 Hrs
		462.	2503/105	Vehicle Technology	3 hrs
		463.	2501/205	Structural Fabrication Technology, Materials and Metallurgy II	3 hrs
		464.	2508/205	Fabrication and Welding Technology, Materials and Metallurgy II	3 hrs
		465.	2508/305	Advanced Fabrication Technology	3 hrs
		466.	2501/305	Production Line Processes and Foundry Technology	3 hrs
		467.	2502/206	Building Services, Machine Installations, Refrigeration, Air conditioning and Ventilation	3 Hrs
		468.	2503/205	Engines Technology and Bodywork	3 hrs
		469.	2503/305	Auto Electrics and Electronics	3 hrs
		470.	2504/105	General Ship Knowledge	3 hrs
		471.	2505/105	Ship Construction and Naval Architecture I	3 hrs
		472.	2504/205	Maritime Conventions	3 hrs
		473.	2505/205	Marine Mechanical Technology I	3 hrs
		474.	2505/305	Marine Mechanical Technology II	3 hrs
		475.	2506/105 2507/105	Workshop Technology and Life Skills	3 hrs
		476.	2506/205	Aircraft Mechanical Technology I	3 hrs
		477.	2507/205	Measurement Technology	3 hrs
		478.	2506/305	Aircraft Mechanical Technology II	3 hrs
		479.	2507/305	Electromagnetic Field Theory	3 hrs
		480.	2509/205	Vehicle and Construction Plant Technology II	3 Hrs

	DATE		PAPER CODE	PAPER NAME	DURATION
		481.	2509/305	Construction Plant Technology and Practice III	3 hrs
		482.	2521/204 2601/204 2602/204 2603/204	Engineering Drawing and Circuit Analysis	3 hrs
		483.	2525/105 2921/105	Agricultural Engineering I	3 hrs
		484.	2525/205 2921/205	Agricultural Engineering II	3 hrs
		485.	2525/303 2921/303	Agricultural engineering III	3 Hrs
		486.	2528/105 2922/105	Human Ecology and Economics	3 hrs
		487.	2528/205 2922/205	Environmental Resource Management and Economics	3 hrs
		488.	2910/105	Agricultural Engineering I	3 hrs
		489.	2910/205	Agricultural Engineering II	3 hrs
		490.	2910/305	Rural sociology and Community Health	3 hrs
		491.	4080/204	Biochemistry/Volumetric/Gravimetric	3 hrs
		492.	4082/204	Pharmacology & Toxicology II	3 hrs
		493.	4089/204	Food Analysis	3 hrs
2.	<b>WEDNESDAY 23<sup>RD</sup> NOVEMBER 2016</b>	494.	1080/215	Applied Thermodynamics	3 hrs
		495.	1505/105	Marine Engineering & Environment Protection	3 hrs
		496.	1704/103	Building Construction I and Drawing	3 hrs
		497.	1704/203	Building Construction II & CAD	3 hrs
		498.	1901/106	Economics	3 hrs
		499.	2080/205	Electrical Power Supply	3 hrs
		500.	2081/206 2083/205	Industrial Electronics	3 hrs
		501.	2201/302	Industrial Electronics	3 hrs
		502.	2104/306	Construction Plant Technology	3 hrs
		503.	2106/306	Welding and Fabrication Technology	3 hrs
		504.	2208/303	Clinical Engineering I	3 hrs
		505.	2306/304	Measurement of Building and Civil Engineering Works	3 hrs
		506.	2309/304	Measurement Specs. & Costing	3 hrs
		507.	2313/304	Print Origination	3 hrs
		508.	2416/304	Illustration, Packing & Model Making	3 hrs
		509.	2417/304 2418/304	Multimedia Crafts & Draughtsmanship	4 hrs
		510.	2419/305	Accommodation Management Principles	3 hrs
		511.	2819/104	Accommodation Operations Theory	3 hrs
		512.	2819/201	Accommodation Operations Management & Law Theory	3 hrs
		513.	2819/301	Accommodation Operations Management II theory	3 hrs
		514.	2422/303 2423/303 2424/303	Graphic Design	3 hrs
		515.	2425/103	Agricultural Economics I, Extension	3 hrs
		516.	2425/203	Agricultural Economics II, Extension & Home Economics	3 hrs
		517.	2425/303	Farm Business Management & Extension	3 hrs
		518.	2429/305	Pharmacy Practice and Dispensing/Compounding	4 hrs
		519.	2601/105 2602/105 2603/105	Electrical Science & Solar Installation Technology	3 hrs
		520.	2521/205 2601/205	Electrical Power Generation, Transmission & Protection	3 hrs
		521.	2602/205	Telecommunication Principles and industrial Measurements	3 hrs
		522.	2603/205	Instrumentation Systems and Industrial Measurement	3 hrs
		523.	2521/305 2601/305	Electrical Power Systems and Electro Magnetic Field Theory	3 hrs
		524.	2602/305	Data Communication & Networking	3 hrs
		525.	2603/305	Industrial Measurements II & Industrial Electronics	3 hrs



	DATE	PAPER CODE	PAPER NAME	DURATION
		526. 2705/105 2707/105 2709/105	Building Construction I, Technical Drawing & Construction Plant	3 hrs
		527. 2710/105	Building Construction I and Construction Plant	3 hrs
		528. 2705/205	Building Construction II and Drawing II	3 hrs
		529. 2707/205	Building Construction II, Civil Engineering Construction II & Transportation Engineering I	3 hrs
		530. 2709/204 2710/204	Measurements of Building Works, Estimating & Costing I and Construction Management I	3 hrs
		531. 2705/304 2707/304 2709/304 2710/304	Construction Management II, Estimating and Costing II	3 hrs
		532. 2805/105	Introduction to Accounting	3 hrs
		533. 2805/305	Financial management	3 hrs
		534. 2901/205	Earth science & Wave Theory	3 hrs
		535. 2901/305	Remote Sensing	3 Hrs
		536. 3080/203	Construction Technology Paper II	3 hrs
		537. 3082/202	Construction Tech. Concrete Tech & Mechanical Plant	3 hrs
		538. 3081/204	Concrete and Timber Technology	3 hrs
		539. 3083/204	Engineering Surveying	3 hrs
		540. 3084/202	Fluid Mechanics & Hydraulic Machines	3 hrs
		541. 3402/103	Financial Management of Education Institutions	3 hrs
		542. 3402/202	Entrepreneurship Education and Project Management	3 hrs
		543. 4080/205	Instrumentation I	3 hrs
		544. 4082/205	Microbiology I	3 hrs
		545. 4089/205	Food Microbiology	3 hrs
2.	<b>WEDNESDAY 23<sup>RD</sup> NOVEMBER 2014</b>	546. 0504/104	Marine Engineering I	3 hrs
		547. 1504/204	Navigation	3 hrs
		548. 2101/304	Engineering Drawing & Design	3 hrs
		549. 2102/304	Plant & Work Services Drawing	3 hrs
		550. 2103/304 2104/304 2105/304	Engineering Drawing & Sketching	3 hrs
	<b>2<sup>ND</sup> MORNING SESSION</b>	551. 2106/304	Engineering Drawing, Pattern Dev. & Design	3 hrs
		552. 2107/304	Flight Mechanics	3 hrs
		553. 2108/304	Engineering Drawing I and Design	3 hrs
		554. 2205/304	Quantitative Techniques	3 hrs
		555. 2206/304	Measurement Systems	3 hrs
		556. 2207/304	Digital Principles & Microprocessors	3 hrs
		557. 2305/304	Building Technology & Drawing	3 hrs
		558. 2307/304	Soil Mechanics & Hydraulics	3 hrs
		559. 2308/304	Soil Mechanics & Hydraulics	3 hrs
		560. 2310/304 2312/304	Cartography	3 hrs
		561. 2401/304	Textile Science	3 hrs
		562. 1801/104	Textile Material Knowledge and Fabric Colouration Theory	3hrs
		563. 2402/304	Principles of Accounts	3 hrs
		564. 2403/304	Food Microbiology	3 hrs
		565. 2404/304	Biochemistry, Anatomy & Physiology	3 hrs
		566. 2405/304	Applied Statistics	3 hrs
		567. 2407/304	Immunology	3 hrs
		568. 2411/304	Chemical Analytical Methods and Biochemistry	3 hrs
		569. 2501/106	Tool Room Process Technology I	3 hrs
		570. 2508/106	Metal Technology and Joining Processes I	3 hrs
		571. 2501/206	Tool Room Processes Technology II and Metrology	3 hrs
		572. 2508/206	Metal Technology and Joining Processes II	3 hrs
		573. 2502/106 2503/106 2509/106	Materials and workshop Technology	3 hrs
		574. 2505/106	Marine Engineering and Environmental Protection	3 hrs
		575. 2505/206	Maritime Law	3 hrs
		576. 2805/204	Child and Adolescent Counselling and Family Care for Children	3 hrs
	<b>11.30 A.M. DAY 6</b>			

	<b>DATE</b>		<b>PAPER CODE</b>	<b>PAPER NAME</b>	<b>DURATION</b>
		577.	2902-09/104	Contextual, Ethical and Legal Issues in Counselling	3 Hrs
		578.	2902-09/204	Abnormal Behaviour and Psychological Testing	3 Hrs
		579.	2506/106 2507/106	Airframe Structures and Airfield Safety	3 hrs
		580.	2506/206	Airframe Systems I	3 hrs
		581.	2507/206	Communication and Telecommunication Systems	3 hrs
		582.	2506/306 2507/306	Data and Computer Networks	3 hrs
2.	<b>THURSDAY</b>  <b>24<sup>th</sup> NOVEMBER</b> <b>2016</b>  <b>1<sup>st</sup> MORNING</b> <b>SESSION</b>  <b>8.00 A.M.</b>  <b>DAY 7</b>	583.	0501/101 0516/101 0503/101 0513/101 0505/101 0521/101 0601/101 0531/101 0701/101 0534/101 0702/101	General Education (Engineering) Level I	1 hr
		584.	0602/101 0801/101 0901/101 0902/101 0903/101 0904/101	General Education (Science) Level I	1 hr
		585.	0501/201 0503/201 0505/201 0513/201 0601/201 0531/201 0701/201 0534/201 0702/201	General Education Level (Engineering) II	1 hr
		586.	0602/201 0801/201 0901/201 0902/201 0903/201 0904/201	General Education Level (Science) II	1 hr
		587.	2101/306	Production Technology & Metrology	3 hrs
		588.	2102/306	Plant Technology & practice	3 hrs
		589.	2103/306	Vehicle Technology & Practice	3 hrs
		590.	2502/105	Plant Maintenance	3 hrs
		591.	2502/305	Power Production Systems	3 hrs
		592.	2525/204 2921/204	Farm Management and research Methodology	3 hrs
		593.	2525/304 2921/304	Sustainable Agriculture	3 Hrs
		594.	2105/306	Agric. Machines, Implementation & Field Engineering	3 hrs
		595.	2107/306	Aircraft Propulsion	3 hrs
		596.	2108/306	Foundry Technology & Practice	3 hrs
		597.	2201/306	Instrumentation	3 hrs
		598.	2203/306	Communication Systems	3 hrs
		599.	2204/306	Power Electronics & Micro-processors	3 hrs
		600.	2205/306	Computer Applications	3 hrs
		601.	2206/306	Transmission of Measurement and Control Signals	3 hrs
		602.	2206/308	Aeronautics	3 hrs
		603.	2208/306	Hospital Engineering I and II	3 hrs
		604.	2301/306	Water Supply	3 hrs
		605.	2302/306	Waste Water	3 hrs
		606.	2304/306	Drilling, Mechanical and Electrical Technology	3 hrs
		607.	2305/306	Construction Management	3 hrs
		608.	2306/306	Construction Management	3 hrs
		609.	2307/306	Civil Engineering, Construction & Drawing	3 hrs

	DATE	PAPER CODE	PAPER NAME	DURATION
		610. 2308/306	Traffic Engineering	3 hrs
		611. 2309/306	Construction Management and Law	3 hrs
		612. 2310/306	Photogrammetry	3 hrs
		613. 2311/306	Topographic & Cadastral Cartography	3 hrs
		614. 2312/306	Survey Control & Engineering Survey	3 hrs
		615. 2313/306	Machine Printing & Print Finishing	3 hrs
		616. 2401/306	Fashion Design	3 hrs
		617. 2402/306	Food & Beverage Control	3 hrs
		618. 2403/306	Technology of Specific Products	3 hrs
		619. 2404/306 2407/306 2411/306	Laboratory Practice & Management	3 hrs
		620. 2405/306	Computing	3 hrs
		621. 2413/305	Reactor Engineering & Control	3 hrs
		622. 2422/305	Pre-Press Equipment Maintenance & Quality Control	3 hrs
		623. 2423/305	Press Equipment Maintenance & Quality Control	3 hrs
		624. 2424/305	Post press Equipment Maintenance & Quality Control	3 hrs
		625. 2426/103B 2427/103	Applied Sciences (Microbiology & Parasitology, Anatomy & Physiology)	3 hrs
2.	<b>THURSDAY</b>	626. 1080/217	Production Engineering I	3 hrs
		627. 1080/219	Plant Engineering I	3 hrs
	<b>24<sup>th</sup> NOVEMBER 2016</b>	628. 1080/221	Automobile & Prime Movers Engineering I	3 hrs
		629. 2081/205 2082/205	Digital Electronics	3 hrs
	<b>2<sup>ND</sup> MORNING SESSION</b>	630. 2416/306	Publication Design	3 hrs
		631. 2417/306	Painting Art	3 hrs
		632. 2418/306	Environment, Mon and Statuary Sculpture	3 hrs
	<b>11.30 A.M.</b>	633. 2425/104	Agricultural Engineering I	3 hrs
		634. 2425/204	Agricultural Engineering II	3 hrs
	<b>DAY 7</b>	635. 2425/304	Agricultural Engineering III & Environmental Management	3 hrs
		636. 2426/203B 2427/204	Applied Science (Physical Science and Biochemistry)	3 hrs
		637. 2429/306A	Pharmacology & Therapeutics Theory	3 hrs
		638. 2521/105 2601/106 2602/106 2603/106	Electrical Measurement and Analogue Electronics	3 hrs
		639. 3080/206	Building Economics	3 hrs
		640. 3082/206	Costing & Measurement. of Field Works	3 hrs
		641. 3081/206 3083/206 3084/206	Estimating and Costing	3 hrs
		642. 3301/216	Geodesy	3 hrs
		643. 3302/216	Photogrammetric Mapping	3 hrs
		644. 3303/216	Thematic & Special Purpose Mapping	3 hrs
		645. 4080/206	Instrumentation II	3 hrs
		646. 4082/206	Microbiology II	3 hrs
		647. 4089/206	Food Ingredients, Pest Control & Entomology	3 hrs
2.	<b>FRIDAY</b>	648. 0501/102 0516/104	Metal Processing Technology Theory Level I	2 hrs
	<b>25<sup>TH</sup> NOVEMBER 2016</b>	649. 0503/102 0513/104	Motor Vehicle Technology Theory Level I	2 hrs
		650. 0501/202	Metal Processing Technology Theory Level II	2 hrs
	<b>1<sup>ST</sup> MORNING SESSION</b>	651. 0503/202 0513/204	Motor Vehicle Technology Theory Level II	
		652. 0505/102	Refrigeration & Air Conditioning Theory Level I	2 hrs
		653. 0505/202	Refrigeration & Air Conditioning Theory Level II	2 hrs
	<b>8.00 A.M.</b>	654. 0521/104 0601/102	Electrical & Electronics Technology Theory Level I	2 hrs
	<b>DAY 8</b>	655. 0531/104 0701/102	Appropriate Carpentry Trade Theory Level I	2 hrs
		656. 0531/204 0701/202	Appropriate Carpentry Trade Theory Level II	2 hrs
		657. 0902/102	Food Processing Technology I Theory	2 hrs

	DATE	PAPER CODE	PAPER NAME	DURATION
		658. 0902/202	Food Processing Technology II Theory	2 hrs
		659. 0534/104 0702/102	Building Technology Theory Level I	2 hrs
		660. 0541/104 0801/102	Fashion Design & Garment Making Theory Level I	2 hrs
		661. 0541/204 0801/202	Fashion Design and Garment Making Trade Theory Level II	2 hrs
		662. 0901/102	Hair Dressing & Beauty Therapy Theory Level I	2 hrs
		663. 0901/202	Hair Dressing & Beauty Therapy Theory Level II	2 hrs
		664. 0903/102	Leather Technology I Theory	2 hrs
		665. 0904/102	Agri-business Trade Theory I	2 hrs
		666. 0904/202	Agri-business Trade Theory II	2 hrs
		667. 0521/204 0601/202	Electrical and Electronics Trade Theory II	2 hrs
		668. 0602/102 0920/104	Information Communication Technology Theory Level I	2 hrs
		669. 0602/202 0920/204	ICT Trade Theory Level II	2 hrs
		670. 0534/204 0702/202	Building Technology Theory	2 hrs
		671. 0903/202	Leatherwork Technology Theory Level II	2 hrs
		672. 2413/306	Unit Operations	3 hrs
		673. 2419/306	Accommodation Operations & Property Management	3 hrs
		674. 2422/306	Text Generation	3 hrs
		675. 2423/306	Machine Printing	3 hrs
		676. 2424/306	Box, Carton Manufacture and Packing	3 hrs
		677. 1080/216	Fluid Mechanics`	3 hrs
		678. 2080/206 2083/206	Machines & Utilization	3 hrs
		679. 2082/206	Communication Systems	3 hrs
		680. 2101/305	Materials & Metallurgy	3 hrs
		681. 2102/305	Plant Electrical & Instrumentation	3 hrs
		682. 2502/205	Plant Electrical and Instrumentation	3 hrs
		683. 2103/305	Engine & Auto Elec. Tech & Practical	3 hrs
		684. 2104/305	Engine & Vehicle Technology(Theory & Practice)	3 hrs
		685. 2105/305	Tractors & Power Units Post Harvest Technology	3 hrs
		686. 2106/305	Material Science & Metallurgy	3 hrs
		687. 2107/305	Airframe Technology	3 hrs
		688. 2108/305	Material Science & Metallurgy	3 hrs
		689. 3081/205 3082/205 3083/205	Hydraulics, Geology & Soil Mechanics	3 hrs
		690. 2429/306B	Pharmacology& Therapeutics Practical	4 hrs
2.	<b>FRIDAY 25<sup>TH</sup> NOVEMBER 2016</b>	691. 2203/302	Data Communication	3 hrs
		692. 2204/302	Machines & Utilization	3 hrs
		693. 2205/302	Data Communication	3 hrs
		694. 2208/304	Clinical Engineering Paper II	3 hrs
		695. 2301/305 2302/305	Construction Technology, Materials, Measurement, & Costing	3 hrs
	<b>2<sup>ND</sup> MORNING SESSION</b>	696. 2304/305	Environment Science	3 hrs
		697. 2305/305	Measurement, Estimating & Costing	3 hrs
		698. 2306/305	Building Economics Construction Law, Estimating & Costing	3 hrs
	<b>11.30 A.M.</b>	699. 2307/305	Measurement, Estimating & Costing	3 hrs
		700. 2308/305	Highway Engineering Construction	3 hrs
	<b>DAY 8</b>	701. 2309/305	History of Architecture	3 hrs
		702. 2310/305	Remote Sensing	3 hrs
		703. 2311/305	Special Purposes Cart. & Cart. Rep.	3 hrs
		704. 2312/305	Cadastral Surveying & Land Law	3 hrs
		705. 2313/305	Photomechanical Processes & Print Sci.	3 hrs
		706. 2402/305	Principles and Practice of Management	3 hrs
		707. 2403/305	Food Processing & Preservation	3 hrs
		708. 2404/305	Animal and Plant Husbandry, Pharmacology, Toxicology, Entomology and plant Pathology	3 hrs
		709. 2405/305	Elements of Accounts	3 hrs

DATE	PAPER CODE	PAPER NAME	DURATION
	710. 2407/305	Medical Microbiology	3 hrs
	711. 2411/305	Instrumental Methods of Analysis	3 hrs
	712. 2416/305	Advertising & Corporate Identity Design	3 hrs
	713. 2417/305	Drawing, art & Visual Communication	3 hrs
	714. 2418/305	Art/ Factual Sculpture	3 hrs
	715. 2422/304	Graphic Reproduction	3 hrs
	716. 2423/304	Proofing & Surface Preparation	3 hrs
	717. 2424/304	Finishing Binding and Ancillary operations	3 hrs
	718. 2426/104 2427/104	Food & Beverage Production & Service	3 hrs
	719. 2427/203	Computer Applications	3 hrs
	720. 2506/107 2507/107	Aircraft Piston engines	3 hrs
	721. 2506/207	Theory of Flight	3 hrs
	722. 2507/207	Electric Circuit Analysis	3 hrs
	723. 2506/307	Airframe Systems II and Airfield Safety III	3 hrs
	724. 2507/307	Automatic Pilot System and Airfield Safety & Procedures III	3 hrs
	725. 3084/207	Water and Waste Water Technology	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. 1st 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 entered is handed to you, or if the questions indicate that a map or other material should also have been given out, speak to the supervisor at once.
- 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. Much 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 Note: Mobile phones are prohibited in the examination rooms and the examination centre. Any candidate caught in possession of a mobile phone will have his/her results cancelled.

## 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