

Kigali, 12/02/2025

N° 013./RTB/2025

To: DEA of the City of Kigali,  
Districts' Mayors

**RE: Notification of Examinable Subjects for the 2025 National Exams**

Dear Sir/Madam,

Reference is made to the letter No.211/NESA/2025 from NESA requesting RTB to notify all Technical Secondary Schools on Examinable subjects for the 2025 National Exams.



The Rwanda TVET Board (RTB) would like to transmit to your office the list of all Examinable subjects and National Examinations paper composition for the **2024/2025 National Exams** in Technical Secondary Schools (TSS).

Please note that this update follows directives from the National Examination and School Inspection Authority (NESA) and needs to be communicated to all TSSs under your respective Districts.

For the case you may need additional details or further clarification, you may reach out to RTB at [rtbcurriculum@rtb.gov.rw](mailto:rtbcurriculum@rtb.gov.rw).

Please accept, Sir/Madam, the assurance of my highest consideration.

Yours Sincerely,



**Dipl.-Ing. Paul UMUKUNZI**  
Director General/ RTB

**CC:**

- Director General, NESA



# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
1	AUTOMOBILE TECHNOLOGY	AUT	Automotive Engines	Automotive Engine Repairing	AUTER301	10	Level 3	34
	AUTOMOBILE TECHNOLOGY	AUT		Diesel engine systems Repairing	AUTER401	6	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Diesel Injection System Repairing	AUTDI501	12	Level 5	
	AUTOMOBILE TECHNOLOGY	AUT		Diesel engine Overhauling	AUTDO401	6	Level 4	
2	AUTOMOBILE TECHNOLOGY	AUT	Automotive Engine Auxiliaries Systems	Engine Fuel Supply System Repairing	AUTFS301	6	Level 3	24
	AUTOMOBILE TECHNOLOGY	AUT		Engine Lubricating System Repairing	AUTLS301	5	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Engine Supercharging System Repairing	AUTSR301	4	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Engine Exhausts System Repairing	AUTES301	4	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Engine Cooling System Repairing	AUTCS301	5	Level 3	
3	AUTOMOBILE TECHNOLOGY	AUT	Automotive Electrical and Electronic Systems	Automotive electrical system Installation and maintenance	AUTEM401	11	Level 4	50
	AUTOMOBILE TECHNOLOGY	AUT		Automotive air conditioning system maintenance	AUTAM401	5	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Basic Automotive Electricity and Electronics	AUTBE301	3	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Vehicle electronic system Repairing	AUTES501	12	Level 5	
	AUTOMOBILE TECHNOLOGY	AUT		Digital and Power Electronics Application	AUTDP401	7	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Hybrid vehicle Repairing	AUTHV501	12	Level 5	
4	AUTOMOBILE TECHNOLOGY	AUT	Automotive Transmission and Control Systems	Vehicle manual transmission system maintenance	AUTMT401	12	Level 4	53
	AUTOMOBILE TECHNOLOGY	AUT		Automatic gearbox Repairing	AUTAG501	12	Level 5	
	AUTOMOBILE TECHNOLOGY	AUT		Vehicle control systems Maintenance	AUTCM401	12	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Basic hydraulic and pneumatic systems	AUTHP501	11	Level 5	
	AUTOMOBILE TECHNOLOGY	AUT		Wheel and Tyre Repairing	AUTWT301	6	Level 3	
5	AUTOMOBILE TECHNOLOGY	AUT	Automotive Body Works	Car Body Work	AUTC8301	7	Level 3	31
	AUTOMOBILE TECHNOLOGY	AUT		Basic Technical Drawing	AUTTD301	3	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Design and Communication Graphics	AUTCG401	4	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Basic welding to automobile	AUTAW301	3	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Bench Work	AUTBW301	5	Level 3	
	AUTOMOBILE TECHNOLOGY	AUT		Knowledge of Materials	AUTKM401	4	Level 4	
	AUTOMOBILE TECHNOLOGY	AUT		Auto Spare Parts and Materials Managment	AUTSM501	5	Level 5	
6	WATER AND IRRIGATION	WIR	Topography and Technical Drawing	Topographical data collection	GENDT301	5	Level 3	11
	WATER AND IRRIGATION	WIR		Basic drawing principles	WIRDP301	6	Level 3	
7	WATER AND IRRIGATION	WIR	Construction and Maintenance of Surface Irrigation	Operation of surface irrigation system	WIRSI301	6	Level 3	49
	WATER AND IRRIGATION	WIR		Surface irrigation system maintenance	WIRSM301	4	Level 3	
	WATER AND IRRIGATION	WIR		Establishment of surface irrigation system	WIRE5401	10	Level 4	
	WATER AND IRRIGATION	WIR		Participating in irrigation community mobilisation	WIRCM401	7	Level 4	
	WATER AND IRRIGATION	WIR		Basic cropping techniques	GENCT501	10	Level 5	
	WATER AND IRRIGATION	WIR		Water use management	WIRWU501	12	Level 5	

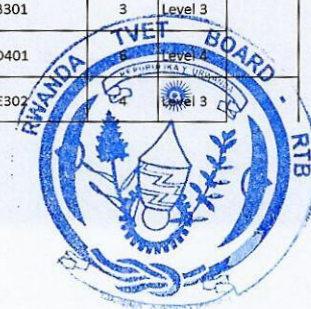




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
8	WATER AND IRRIGATION	WIR	Pressurized Irrigation Installation and Maintenance	Implementing the plan of drip irrigation schedule	WIRPD401	8	Level 4	58
	WATER AND IRRIGATION	WIR		Installation of drip irrigation system	WIRID401	7	Level 4	
	WATER AND IRRIGATION	WIR		Operating drip irrigation system	WIROD401	6	Level 4	
	WATER AND IRRIGATION	WIR		Maintenance of drip irrigation infrastructures	WIRMD301	3	Level 3	
	WATER AND IRRIGATION	WIR		Operating sprinkler irrigation system	WIROS401	7	Level 4	
	WATER AND IRRIGATION	WIR		Installation of sprinkler irrigation system	WIRIS401	10	Level 4	
	WATER AND IRRIGATION	WIR		Preliminary pressurized irrigation system	WIRPR301	8	Level 3	
	WATER AND IRRIGATION	WIR		Pressurized irrigation system maintenance	WIRPS301	4	Level 3	
	WATER AND IRRIGATION	WIR		Pipe joining	WIRPJ301	5	Level 3	
	WATER AND IRRIGATION	WIR						
9	WATER AND IRRIGATION	WIR	Pumping System Operation and Maintenance	Preliminary pumping activities	WIRPP301	4	Level 3	37
	WATER AND IRRIGATION	WIR		Water pump operation	WIROP301	5	Level 3	
	WATER AND IRRIGATION	WIR		Maintenance of pumping system	WIRMP301	4	Level 3	
	WATER AND IRRIGATION	WIR		Advanced maintenance of pumping system	WIRAM501	12	Level 5	
	WATER AND IRRIGATION	WIR		Installation of water pumping system	WIRWPS501	12	Level 5	
10	WATER AND IRRIGATION	WIR	Surface Drainage System Construction and Maintenance	Construction of surface drainage infrastructures	WIRCD401	9	Level 4	29
	WATER AND IRRIGATION	WIR		Water harvesting system establishment	WIRWH501	12	Level 5	
	WATER AND IRRIGATION	WIR		Hydrological principles	WIRHP401	4	Level 4	
	WATER AND IRRIGATION	WIR		Surface drainage	WIRSD301	4	Level 3	
11	AGRICULTURE	AGR	Food Crops Growing and Post-Harvest Practices	Legumes growing	AGR LG302	6	Level 3	33
	AGRICULTURE	AGR		Roots and Tubers growing	AGR RT302	8	Level 3	
	AGRICULTURE	AGR		Cereals growing	AGR CG401	5	Level 4	
	AGRICULTURE	AGR		Seed multiplication	AGR SD401	6	Level 4	
	AGRICULTURE	AGR		Mushroom growing	AGR GM401	4	Level 4	
	AGRICULTURE	AGR		Post-Harvest Techniques	AGR PH501	4	Level 5	
12	AGRICULTURE	AGR	Soil Conservation	Fertilizer Application	GENFA301	5	Level 3	23
	AGRICULTURE	AGR		Soil Erosion control	AGRSE302	8	Level 3	
	AGRICULTURE	AGR		Topographical Data collection	AGRTD302	6	Level 3	
	AGRICULTURE	AGR		Basic knowledge on soil science	AGRSS401	4	Level 4	
13	AGRICULTURE	AGR	Crop Protection and Extension Techniques	Pests and Diseases Management	AGRPM501	5	Level 5	27
	AGRICULTURE	AGR		Supervision of agriculture activities	AGRFP501	4	Level 5	
	AGRICULTURE	AGR		Data driven Agriculture precision	AGRDP401	5	Level 4	
	AGRICULTURE	AGR		Agriculture Extension techniques	AGRAE501	4	Level 5	
	AGRICULTURE	AGR		Basic knowledge on Plant Biology	AGRPB301	3	Level 3	
	AGRICULTURE	AGR		Field plant pests and Diseases identification	AGRPD401	4	Level 4	
14	AGRICULTURE	AGR	Horticultural and Industrial Crops Growing	Nursery establishment	AGENE302	4	Level 3	





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	AGRICULTURE	AGR		Vegetables growing	AGRVG302	10	Level 3	35
	AGRICULTURE	AGR		Fruits growing	AGRGF401	5	Level 4	
	AGRICULTURE	AGR		Ornamental plant growing	AGROP501	5	Level 5	
	AGRICULTURE	AGR		Herbs, Spices and Aromatic plant growing	AGRHA501	5	Level 5	
	AGRICULTURE	AGR		Industrial Crop Growing	AGRIC501	6	Level 5	
15	AGRICULTURE	AGR	Farm Mechanization and Livestock Management	Operating Small farm Tools and Equipment	GENFT301	4	Level 3	35
	AGRICULTURE	AGR		Operating Small Farm Machinery	AGRFM301	8	Level 3	
	AGRICULTURE	AGR		Tractor Operations	AGROT401	7	Level 4	
	AGRICULTURE	AGR		Combine Harvester Operation	AGRCH501	4	Level 5	
	AGRICULTURE	AGR		Forage Crops Growing	AGRFC501	5	Level 5	
	AGRICULTURE	AGR		Animal husbandry practices	AGRAP501	7	Level 5	
16	AGRICULTURE	AGR	Modern Farming Techniques	Establishing Micro-irrigation System	AGRMI401	7	Level 4	30
	AGRICULTURE	AGR		Greenhouse operations	AGRGO401	7	Level 4	
	AGRICULTURE	AGR		Urban and Vertical farming	AGRUV501	5	Level 5	
	AGRICULTURE	AGR		Establishing Hydroponic System and plants	AGRHS401	6	Level 4	
	AGRICULTURE	AGR		Regenerative Agriculture practices	AGRRA501	5	Level 5	
17	FOOD PROCESSING	FOP	Milk products processing technology	Raw milk reception	FOPMR303	5	Level 3	35
	FOOD PROCESSING	FOP		Pasteurized milk production	FOPPM303	4	Level 3	
	FOOD PROCESSING	FOP		Fermented milk production	FOPFM303	6	Level 3	
	FOOD PROCESSING	FOP		Cream and butter making	FOPCB403	5	Level 4	
	FOOD PROCESSING	FOP		Semi-hard cheese making	FOPCM403	5	Level 4	
	FOOD PROCESSING	FOP		Powdered milk making	FOPPM503	5	Level 5	
	FOOD PROCESSING	FOP		Ice cream production	FOPIC503	5	Level 5	
18	FOOD PROCESSING	FOP	Meat and Honey products processing technology	Fresh meat production	FOPMP303	7	Level 3	17
	FOOD PROCESSING	FOP		Honey processing	FOPHP303	4	Level 3	
	FOOD PROCESSING	FOP		Sausage and meat ball making	FOPSM403	6	Level 4	
19	FOOD PROCESSING	FOP	Fruit processing Technology	Nectar and Squash production	FOPNS303	6	Level 3	31
	FOOD PROCESSING	FOP		Jam, Jelly and Marmalade making	FOPJM303	6	Level 3	
	FOOD PROCESSING	FOP		Fruits and vegetables wine making	FOPWM403	8	Level 4	
	FOOD PROCESSING	FOP		Vinegar and spirit production	FOPVS503	6	Level 5	
	FOOD PROCESSING	FOP		Dried fruits and vegetables making	FOPFV503	5	Level 5	
20	FOOD PROCESSING	FOP	Flour, starch and cereal processing technology	Baked pastry making	FOPBP303	6	Level 3	
	FOOD PROCESSING	FOP		Process cereal grains into flour	FOPCF403	5	Level 4	
	FOOD PROCESSING	FOP		Process roots and tubers into flour	FOPRT403	4	Level 4	
	FOOD PROCESSING	FOP		Processing Paddy rice into milled rice	FOPPP403		Level 4	





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SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	FOOD PROCESSING	FOP		Bread making	FOPBM403	5	Level 4	
	FOOD PROCESSING	FOP		Pasta making	FOPPA503	5	Level 5	
	FOOD PROCESSING	FOP		Roots and tubers processing	FOPRT503	5	Level 5	
	FOOD PROCESSING	FOP		Fried Pastry Making	FOPFP303	5	Level 3	
21	FOOD PROCESSING	FOP	Cash crop and Vegetables processing technology	Soymilk and tofu production	FOPST303	5	Level 3	
	FOOD PROCESSING	FOP		Chilli sauce making	FOPCS403	4	Level 4	
	FOOD PROCESSING	FOP		Powder spices production	POPPS403	5	Level 4	
	FOOD PROCESSING	FOP		Tomato paste and ketchup making	FOPPK403	6	Level 4	
	FOOD PROCESSING	FOP		Coffee cherries processing	POPCP503	6	Level 5	
	FOOD PROCESSING	FOP		Sugarcane processing	FOPSP503	7	Level 5	
	FOOD PROCESSING	FOP		Tea leaves processing	FOPTP503	8	Level 5	
22	FOOD PROCESSING	FOP	Food microorganisms and physical-chemical properties Analysis	Basic knowledge in Food processing	FOPBK303	4	Level 3	
	FOOD PROCESSING	FOP		Food hygiene and safety practices	FOPHS303	4	Level 3	
	FOOD PROCESSING	FOP		Description of the use and control of microorganisms in food processing	FOPMP403	4	Level 4	
	FOOD PROCESSING	FOP		Physico-chemical properties of food Analyzing	FOPAP503	7	Level 5	
23	ANIMAL HEALTH	ANH	Animal Diseases Prevention and Control	Prevention of Animal Diseases	ANHPD302	6	Level 3	
	ANIMAL HEALTH	ANH		Infectious Diseases	ANHID402	8	Level 4	
	ANIMAL HEALTH	ANH		Parasitic Diseases	ANHPD402	8	Level 4	
	ANIMAL HEALTH	ANH		Intoxication, Nutritional and Metabolic Disorders	ANHNM402	6	Level 4	
24	ANIMAL HEALTH	ANH	Animal Diseases Diagnosis and Treatment	Livestock Diseases Diagnosis and Drug Administration	ANHDA302	5	Level 3	
	ANIMAL HEALTH	ANH		Microorganisms Identification	ANHMI402	5	Level 4	
	ANIMAL HEALTH	ANH		Necropsy Evaluation	ANHNE503	6	Level 5	
25	ANIMAL HEALTH	ANH	Anatomy, Physiology, Surgery, and Veterinary Intervention	Minor Surgery	ANHMS302	5	Level 3	
	ANIMAL HEALTH	ANH		Workplace Preparation for Veterinary Intervention	ANHPW302	7	Level 3	
	ANIMAL HEALTH	ANH		Domestic Animal Body Description	ANHBD302	9	Level 3	
	ANIMAL HEALTH	ANH		Animal Physiology	ANHAP402	7	Level 4	
	ANIMAL HEALTH	ANH		Major Surgery	ANHMS503	8	Level 5	
	ANIMAL HEALTH	ANH		Artificial Insemination	ANHAI503	8	Level 5	
26	ANIMAL HEALTH	ANH	Ruminants, Bees, and Fish Farming Operations	Recording of Livestock Health and Production Parameters	ANHRL302	4	Level 3	
	ANIMAL HEALTH	ANH		Ruminant Farming	ANHRF302	9	Level 3	
	ANIMAL HEALTH	ANH		Beekeeping Operations	ANHBK503	5	Level 5	
	ANIMAL HEALTH	ANH		Fish Farming Operations	ANHFO503	8	Level 5	
27	ANIMAL HEALTH	ANH	Non-Ruminants Farming Operations	Pig Farming Operations	ANHGF402	5	Level 4	
	ANIMAL HEALTH	ANH		Rabbit Farming Operations	ANHRF402	5	Level 4	
	ANIMAL HEALTH	ANH		Poultry Farming Operations	ANHPO402	6	Level 4	

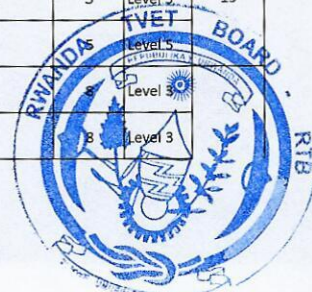




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	ANIMAL HEALTH	ANH		Companion Animals Management	ANHCA503	6	Level 5	
28	ANIMAL HEALTH	ANH	Raw Animal Products Control and Livestock Extension	Livestock Extension Services	ANHET402	4	Level 4	15
	ANIMAL HEALTH	ANH		Veterinary Ethics and Jurisprudence	ANHVE503	3	Level 5	
	ANIMAL HEALTH	ANH		Quality Control of Raw Animal Products	ANHRP503	8	Level 5	
29	ANIMAL HEALTH	ANH	Animal Feeding and Livestock Machinery Operations	Fodder Crops and Pastures Management	ANHFC302	5	Level 3	30
	ANIMAL HEALTH	ANH		Fodder Crops Conservation and Distribution	ANHCF302	5	Level 3	
	ANIMAL HEALTH	ANH		Concentrates Feeds Preparation and Distribution	ANHDC302	7	Level 3	
	ANIMAL HEALTH	ANH		Milking Parlor Operations	ANHMP401	4	Level 4	
	ANIMAL HEALTH	ANH		Hatchery Operations	ANHHO401	4	Level 4	
	ANIMAL HEALTH	ANH		Operating Farm Machinery	ANHFM501	5	Level 5	
30	LEATHER TECHNOLOGY	LET	Shoe lasts and footwear production	Adult's and Children's Sandal making	LTETM5302	12	Level 3	47
	LEATHER TECHNOLOGY	LET		Mechinized bottom components production	LETBC401	7	Level 4	
	LEATHER TECHNOLOGY	LET		Open shoe fabrication (ballerina and Mule)	LETOS402	10	Level 4	
	LEATHER TECHNOLOGY	LET		Shoe lasts making	LETSL501	7	Level 5	
	LEATHER TECHNOLOGY	LET		Closed shoes Making	LETCS501	11	Level 5	
31	LEATHER TECHNOLOGY	LET	Technical drawing and pattern-making	Technical Drawing	LETTD302	9	Level 3	25
	LEATHER TECHNOLOGY	LET		Pattern Making	LETPM402	8	Level 4	
	LEATHER TECHNOLOGY	LET		Leather products Designing	LETPD501	8	Level 5	
32	LEATHER TECHNOLOGY	LET	Leather processing and finishing	Basics of Leather processing	LETLP301	5	Level 3	37
	LEATHER TECHNOLOGY	LET		Basic Notion on leather Manufacturing	LETBL301	4	Level 3	
	LEATHER TECHNOLOGY	LET		Beamhouse and tanning operations	LETBT401	8	Level 4	
	LEATHER TECHNOLOGY	LET		Post tanning and leather finishing operations	LETPF401	10	Level 4	
	LEATHER TECHNOLOGY	LET		Eco-friendly Leathers fabrication	LETLE501	10	Level 5	
33	LEATHER TECHNOLOGY	LET	Leather garments production	Basic stitching operations	LETBS301	8	Level 3	26
	LEATHER TECHNOLOGY	LET		Assemble leather components	LETCA301	7	Level 3	
	LEATHER TECHNOLOGY	LET		Leather Garment Fabrication (Jacket and hat)	LETGF401	11	Level 4	
34	LEATHER TECHNOLOGY	LET	Leather goods production	Belt fabrication	LETFB301	7	Level 3	30
	LEATHER TECHNOLOGY	LET		Leather fine Articles fabrication (Wallet, Watch strap, Key holder)	LETFA401	7	Level 4	
	LEATHER TECHNOLOGY	LET		Leather bags fabrication	LETBG501	8	Level 5	
	LEATHER TECHNOLOGY	LET		Leather Balls Fabrication	LETLB501	8	Level 5	
35	LEATHER TECHNOLOGY	LET	Leather products quality control and material quantification	Leather hand tools ,materials and equipment	LEHTH301	9	Level 3	19
	LEATHER TECHNOLOGY	LET		Quantification of material in Leather and Leather products	LETQM502	5	Level 5	
	LEATHER TECHNOLOGY	LET		Quality control in leather and Leather products	LETQC501		Level 5	
36	FORESTRY	FOR	Tree Nursery Management	Nursery Establishment	FORNE302		Level 3	
	FORESTRY	FOR		Planting material collection for forest establishment	FORPC302		Level 3	

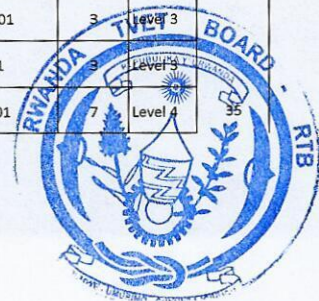




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## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	FORESTRY	FOR		Tree Vegetative Propagation	FORTP402	8	Level 4	37
	FORESTRY	FOR		Basic knowledge on plant biology	FORPB302	3	Level 3	
	FORESTRY	FOR		Tree Species	FORTS402	10	Level 4	
37	FORESTRY	FOR	Forest Establishment and Protection	Basic Knowledge of Soil Science	GENSS402	6	Level 4	38
	FORESTRY	FOR		Planting Tree	FORPT302	10	Level 3	
	FORESTRY	FOR		Basic knowledge on forest ecosystem and Deontology	FORED502	6	Level 5	
	FORESTRY	FOR		Tree Maintenance	FORTM302	7	Level 3	
	FORESTRY	FOR		Forest Protection	FORFP402	9	Level 4	
38	FORESTRY	FOR	Forest Management Plan Implementation	Forestry Tools and Equipment	FORFT302	7	Level 3	31
	FORESTRY	FOR		Forest Management	FORFM502	6	Level 5	
	FORESTRY	FOR		Forest Roads Establishment	FORFR502	7	Level 5	
	FORESTRY	FOR		Forest Policy, Law and Regulations	FORPL402	5	Level 4	
	FORESTRY	FOR		Introduction to GIS in Forestry	FORFG502	6	Level 5	
39	FORESTRY	FOR	Forest Exploitation	Basic Knowledge of Wood Properties and Wood Preservation	FORWP502	6	Level 5	44
	FORESTRY	FOR		Forest Harvesting	FORFH402	8	Level 4	
	FORESTRY	FOR		Forest Inventory	FORFI402	8	Level 4	
	FORESTRY	FOR		Tree Sawing	FORTS502	7	Level 5	
	FORESTRY	FOR		Wooden poles making	FORTP502	8	Level 5	
	FORESTRY	FOR		Timber by-products management	FORTB502	7	Level 5	
40	FORESTRY	FOR	Forests Landscape Restoration	Soil Erosion Control	FORSE302	7	Level 3	36
	FORESTRY	FOR		Topographical Data Collection	FORTP302	6	Level 3	
	FORESTRY	FOR		Forest Extension	FORFE502	8	Level 5	
	FORESTRY	FOR		Basic Principles of Agroforestry	FORPA402	10	Level 4	
	FORESTRY	FOR		Fertilizer Application	FORFA302	5	Level 3	
41	WOOD TECHNOLOGY	WOT	Technical drawing, CAD, and Wooden Art style Creation	Technical drawing and cost estimation	WOTCE301	6	Level 3	38
	WOOD TECHNOLOGY	WOT		AutoCAD software	WOTAS401	10	Level 4	
	WOOD TECHNOLOGY	WOT		Wooden art style creation	WOTAC401	12	Level 4	
	WOOD TECHNOLOGY	WOT		Basic solidworks CAD in furniture design	WOTSW501	10	Level 5	
42	WOOD TECHNOLOGY	WOT	Wood properties and Timber Drying	Basic wood properties	WOTWP301	3	Level 3	17
	WOOD TECHNOLOGY	WOT		Wood kiln operation	WOTKO401	7	Level 4	
	WOOD TECHNOLOGY	WOT		Timber and poles drying	WOTTD501	7	Level 5	
43	WOOD TECHNOLOGY	WOT	Woodworking Machines Operation and Workshop Management	Wood working machines operation and hand tools use	WOTMH301	4	Level 3	35
	WOOD TECHNOLOGY	WOT		Wood working machines maintenance	WOTMM301	3	Level 3	
	WOOD TECHNOLOGY	WOT		Wood working machines installation plan	WOTMI301	3	Level 3	
	WOOD TECHNOLOGY	WOT		Wood moulder machine operation	WOTMO401	7	Level 4	

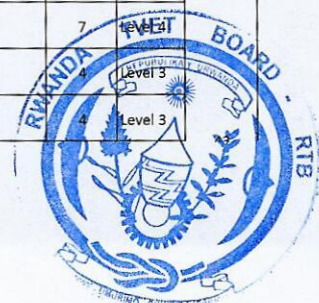




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	WOOD TECHNOLOGY	WOT		Industrial wood working machines maintenance	WOTIM401	7	Level 4	
	WOOD TECHNOLOGY	WOT		Basic Electricity	WOTBE301	3	Level 3	
	WOOD TECHNOLOGY	WOT		Basics of wood workshop management	WOTWM501	8	Level 5	
44	WOOD TECHNOLOGY	WOT	Wooden Furniture Production	Movable Wooden furniture and furnishing elements	WOTWF301	7	Level 3	
	WOOD TECHNOLOGY	WOT		Cupboards and shelves installation	WOTCS301	5	Level 3	
	WOOD TECHNOLOGY	WOT		Wooden Sitting and resting furniture production	WOTRS501	10	Level 5	
	WOOD TECHNOLOGY	WOT		Wooden Storage furniture production	WOTSF501	9	Level 5	
	WOOD TECHNOLOGY	WOT		Wooden furniture finishing	WOTFF301	4	Level 3	
	WOOD TECHNOLOGY	WOT		Wood surface treatment	WOTST501	7	Level 5	42
45	WOOD TECHNOLOGY	WOT	Wooden Structures Construction	Wooden staircase construction	WOTST301	5	Level 3	
	WOOD TECHNOLOGY	WOT		Wooden roof construction	WOTRM301	5	Level 3	
	WOOD TECHNOLOGY	WOT		Partition walls; wooden floors and ceiling making	WOTPF301	6	Level 3	
	WOOD TECHNOLOGY	WOT		Wooden doors and windows production	WOTDW501	10	Level 5	
	WOOD TECHNOLOGY	WOT		Wood joints construction	WOTJC301	4	Level 3	30
46	WOOD TECHNOLOGY	WOT	Engineered Boards and Beams Production	Engineered boards production	WOTPB401	10	Level 4	
	WOOD TECHNOLOGY	WOT		Engineered wooden beams production	WOTWB401	8	Level 4	18
47	FOOD AND BEVERAGE OPERATIONS	FBO	Food Preparation	Stocks, sauces and soups preparation	FBOSS301	5	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Meat, Poultry and egg dishes	FBOMP301	5	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Vegetables and starch dishes	FBOVS301	5	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Salads and Fruits preparation	FBOSF301	5	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Pasta and starch dishes	FBOPS401	10	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Meat dishes and sauces	FBOMS401	12	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Kitchen Mise en place	FBOMS301	5	Level 3	47
48	FOOD AND BEVERAGE OPERATIONS	FBO	International Cuisines and cold kitchen Production	New dish Creation	FBOND501	6	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Production of Chinese hot Dishes	FBOCD501	8	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Advanced cold kitchen products	FBOCK501	7	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Italian hot dishes production	FBIDS501	8	Level 5	29
49	FOOD AND BEVERAGE OPERATIONS	FBO	Bakery and Pastry Products	Pastry and bakery products preparation	FBOBP401	12	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Simple bakery products	FBOSB301	5	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Advanced bakery and pastry products preparation	FBOBP501	8	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Canapes, farinaceous and sandwiches preparation	FBOCF401	9	Level 4	34
50	FOOD AND BEVERAGE OPERATIONS	FBO	Food and Beverage Services	Serving Food and Beverages	FBOFB301	4	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Beverages Service	FBOBS401	7	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Perform Restaurant opening duties	FBORO301	4	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Kitchen and Restaurant Closing duties	FBOCD301	4	Level 3	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	FOOD AND BEVERAGE OPERATIONS	FBO		Food and Beverage Operations Supervision	FBOOS501	4	Level 5	4
	FOOD AND BEVERAGE OPERATIONS	FBO		Advanced Restaurant buffet set up	FBOBC501	5	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Hot and cold drinks preparation	FBOHC401	9	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Speciality Coffee and Cocktail preparation	FBOCC501	6	Level 5	
51	FOOD AND BEVERAGE OPERATIONS	FBO	Food and Beverage Service Quality Control	Food and Beverages hygiene and safety	FBOHS302	4	Level 3	25
	FOOD AND BEVERAGE OPERATIONS	FBO		Maintaining food Nutrients in Cooking	FBOFN301	3	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Customer Care Relations	FBOCC302	3	Level 3	
	FOOD AND BEVERAGE OPERATIONS	FBO		Customer service	FBOCS401	6	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Food and Beverages Quality control	FBOQC501	6	Level 5	
	FOOD AND BEVERAGE OPERATIONS	FBO		Introduction to Hospitality and Tourism Industry	FBOHT301	3	Level 3	
52	FOOD AND BEVERAGE OPERATIONS	FBO	Applied Professional English for Food and Beverage Operation	Professional English for Food and beverage operation	FBOPE501	4	Level 5	13
	FOOD AND BEVERAGE OPERATIONS	FBO		Professional English for Food and beverage operation	FBOPE401	4	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Applied English for food and beverage	FBOEF301	5	Level 3	
53	FOOD AND BEVERAGE OPERATIONS	FBO	Français Professionnel pour Cuisine et Service en Hôtellerie	Français professionnel élémentaire pour cuisine et service en hôtellerie	FBOFC301	3	Level 3	12
	FOOD AND BEVERAGE OPERATIONS	FBO		Français professionnel	FBOFT401	4	Level 4	
	FOOD AND BEVERAGE OPERATIONS	FBO		Français professionnel de la cuisine et de la restauration et Bar	FBOFP501	5	Level 5	
54	FOOD AND BEVERAGE OPERATIONS	FBO	Kiswahili Mahususi Katika Huduma Za Vyakula Na Vinywaji	Kiswahili katika huduma za vyakura na vinywaji	FBOKK401	4	Level 4	7
	FOOD AND BEVERAGE OPERATIONS	FBO		Kiswahili Mahususi katika huduma za Vyakula na Vinywaji	FBOKM501	3	Level 5	
55	TOURISM	TOR	Coordinating Tour and Travel bookings	Booking Tour services	TORBT302	9	Level 3	43
	TOURISM	TOR		Booking Travel Services	TORTS302	9	Level 3	
	TOURISM	TOR		Processing Reservation	TORPR402	5	Level 4	
	TOURISM	TOR		Providing tourism information and advice	TORTI502	6	Level 5	
	TOURISM	TOR		Constructing basic airfare	TORAF402	8	Level 4	
	TOURISM	TOR		Coordinating travel arrangements	TORTA502	6	Level 5	
56	TOURISM	TOR	Coordinating tourism events	Booking outdoor recreation activities	TOROA302	7	Level 3	36
	TOURISM	TOR		Coordinating outdoor activities	TORCA302	7	Level 3	
	TOURISM	TOR		Providing event protocol services	TOREP502	6	Level 5	
	TOURISM	TOR		Handling ground Services	TORG5302	10	Level 3	
	TOURISM	TOR		Handling post event activities	TORPE302	6	Level 3	
57	TOURISM	TOR	Community Based Tourism and Heritage Maintenance	Interpreting Rwandan culture and historical heritage	TORCH402	8	Level 4	24
	TOURISM	TOR		Providing on-site assistance	TOROA502	6	Level 5	
	TOURISM	TOR		Introduction to hospitality and Tourism	HOTIHT302	3	Level 3	
	TOURISM	TOR		Coordinating community based tourism activities	TORCT502		Level 5	
58	TOURISM	TOR	Providing guidance on Destination	Providing guidance on Rwanda as destination	TORGD402		Level 4	
	TOURISM	TOR		Interpreting flora and fauna	TORFF402		Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	TOURISM	TOR		Providing resort tourism services	TORRS401	4	Level 4	28
	TOURISM	TOR		Providing assistance to tourism actors	TORAT502	6	Level 5	
	TOURISM	TOR		Description of Geographical Features In Rwanda	TORG302	5	Level 3	
59	TOURISM	TOR	Tour guiding and tour packages management	Developing tour packages	TORTP501	7	Level 5	45
	TOURISM	TOR		Promoting tour packages	TORPP502	6	Level 5	
	TOURISM	TOR		Performing tour guide services	TORTG402	8	Level 4	
	TOURISM	TOR		Managing tour package	TORTP402	8	Level 4	
	TOURISM	TOR		Developing tourism promotional materials	TORPM502	6	Level 5	
	TOURISM	TOR		Providing first aid services	GENFA401	3	Level 4	
	TOURISM	TOR		Customer care	GENCC302	3	Level 3	
	TOURISM	TOR		Maintaining airline customer services	TORAC401	4	Level 4	
60	TOURISM	TOR	Professional English for Tourism	Professional english for tourism	TORPE501	5	Level 5	14
	TOURISM	TOR		Applied english for Tourism industry	HOTAE302	5	Level 3	
	TOURISM	TOR		Professional english for Tourism	TORPE401	4	Level 4	
61	TOURISM	TOR	Français Professionnel pour le Tourisme	Français professionnel lié au Tourisme	TORFP501	5	Level 5	11
	TOURISM	TOR		Français professionnel	TORFT401	6	Level 4	
62	TOURISM	TOR	Kutumia Kiswahili	Kiswahili Mahususi	TORKM501	5	Level 5	14
	TOURISM	TOR		Kiswahili katika Utalii	TORKK401	6	Level 4	
	TOURISM	TOR		Kiswahili wastani	GENKK302	3	Level 3	
63	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Providing Excellent Customer Services	Hotel guest handling	FOHGG302	4	Level 3	26
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Customer Care	GENCC302	3	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Customer service	GENCS401	6	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Conducting Guest Satisfaction Activities	FHOGS501	5	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Introduction to Hospitality and Tourism	GENHT303	4	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Handling Guest Car Parking	FOHCP302	4	Level 3	
64	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Housekeeping Operations	Servicing Guestrooms	FOHSG303	12	Level 3	74
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Housekeeping closing duties	FOHCD302	4	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Housekeeping opening duties	FOHOD303	5	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Guest room cleaning activities	FHOGC401	12	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Flower decoration performance activities	FHOFD401	10	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Storing housekeeping supplies	FHOHS401	8	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Guest room services	FHOGR501	9	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Performing housekeeping store activities	FHOHS501	4	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Carrying out turndown services	FHOTS401	10	Level 4	
65	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Front Office Operations	Front office closing duties	FOHFD302	5	Level 3	

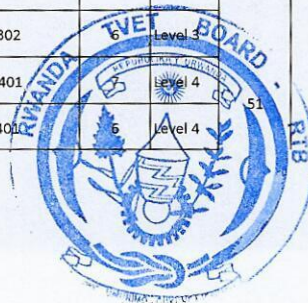




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Performing reservation activities	FHORA501	4	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Pre-arrival of hotel guests	FOHPP302	5	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Business center activities	FHOB501	4	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Night audit activities	FHONA501	5	Level 5	46
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Property management System (PMS)	GENMS501	6	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Hotel calls handling	FHOHC401	10	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Providing additional guest services	FOHGS302	3	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Performing Front desk activities	FHOFA501	4	Level 5	
66	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Performing Laundry Services	Handling linen and uniform	FOHLU302	12	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Hotel linen and Uniform organization	FHOLU401	6	Level 4	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Laundry administrative activities	FHOLA501	9	Level 5	43
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Performing guest clothes cleaning activities.	FHOGC501	4	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Cleaning Public Areas	FOHPA302	12	Level 3	
67	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Handle Hotel Guest and Luggage at Airport	Guest luggage handling	FOHLH302	4	Level 3	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Luggage handling activities	FHOLH401	8	Level 4	18
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Hotel guest arrivals at Airport	FHOGA401	6	Level 4	
68	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Professional English for Front Office	Professional english for front office	FHOPE501	5	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Applied english for front office and housekeeping	FHOPE301	5	Level 3	13
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Professional english for front office and housekeeping operations	FHOPE401	3	Level 4	
69	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Français Professionel pour l'accueil et L'hébergement	Français professionnel pour l'accueil et l'hébergement	FHOFP501	5	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Français professionnel	FOFH303	5	Level 3	13
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Français professionnel	FHOFT401	3	Level 4	
70	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH	Kutumia Kiswahili	Kiswahili Mahususi Katika Upokezi Na Utunzaji Wa Vyumba	FHOKM501	5	Level 5	
	FRONT OFFICE AND HOUSEKEEPING OPERATIONS	FOH		Kiswahili Katika Upokezi Na Utunzaji Vyumba	FHOKK401	3	Level 4	8
71	ELECTRONICS AND TELECOMMUNICATION	ETE	Embedded systems and artificial intelligence integration	C Programming fundamentals	ETEC302	9	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Basic embedded system development	ETEED401	7	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Python for machine learning	ETEMP501	7	Level 5	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Chip programming	ETEC501	8	Level 5	57
	ELECTRONICS AND TELECOMMUNICATION	ETE		Artificial intelligence integration into electronic devices	ETEA501	9	Level 5	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Electronic smart devices motherboard production	ETEMP501	8	Level 5	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Electronic device enclosure production	ETEEP501	9	Level 5	
72	ELECTRONICS AND TELECOMMUNICATION	ETE	Electronic devices repair and maintenance	Consumer electronic equipment repair	ETECE302	11	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Mobile phone hardware repair	ETEMP302	5	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Hardware maintenance of OS based Processing Devices	ETEHM401	6	Level 4	51
	ELECTRONICS AND TELECOMMUNICATION	ETE		OS based processing device's software maintenance	ETESM401	6	Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	ELECTRONICS AND TELECOMMUNICATION	ETE		Electronics fundamentals	ETEEF302	12	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Digital electronics fundamentals	ETEDE401	9	Level 4	
73	ELECTRONICS AND TELECOMMUNICATION	ETE	Audiovisual and broadcasting system installation	Sound system installation	ETESS302	4	Level 3	18
	ELECTRONICS AND TELECOMMUNICATION	ETE		Video system installation	ETEV302	5	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Radio and television broadcasting system installation	ETERT501	9	Level 5	
74	ELECTRONICS AND TELECOMMUNICATION	ETE	Telecommunication and security systems installation	Telecommunication reception system installation	ETETS302	4	Level 3	42
	ELECTRONICS AND TELECOMMUNICATION	ETE		Telecommunication systems fundamentals	ETETF302	6	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Networking fundamentals	GENNF401	4	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Electronic security systems installation	ETESI401	10	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Telecommunication transmission systems installation	ETETT401	8	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Mobile communication system's equipment installation	ETEMI501	10	Level 5	
75	ELECTRONICS AND TELECOMMUNICATION	ETE	Power conversion, electronic control and HVAC system installation	Technical drawing	ETETD401	4	Level 4	33
	ELECTRONICS AND TELECOMMUNICATION	ETE		Basics of electricity	ETEBE302	7	Level 3	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Heating, ventilation, and air conditioning (HVAC) system installation	ETEAC401	7	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Power conversion system	ETEPC401	8	Level 4	
	ELECTRONICS AND TELECOMMUNICATION	ETE		Electronic control system for industrial automation	ETEIC501	7	Level 5	
76	ELECTRICAL TECHNOLOGY	ELT	Industrial electrical system installation and maintenance	Industrial electrical motors installation	ELTEM401	9	Level 4	55
	ELECTRICAL TECHNOLOGY	ELT		Industrial electrical control circuit and accessories installation	ELTIC401	9	Level 4	
	ELECTRICAL TECHNOLOGY	ELT		Industrial electrical equipment assembling	ELTAE401	7	Level 4	
	ELECTRICAL TECHNOLOGY	ELT		Electrical rotating machine building	ELTMB501	10	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Industrial electrical maintenance	ELTIM401	5	Level 4	
	ELECTRICAL TECHNOLOGY	ELT		Industrial technical drawing	ELTTD401	5	Level 4	
	ELECTRICAL TECHNOLOGY	ELT		Electromagnetic circuit of electrical machine building	ELTBM401	10	Level 4	
77	ELECTRICAL TECHNOLOGY	ELT	Digital electronics and Electrical vehicle charging station installation	Electrical and electronics fundamentals	ELTFE301	7	Level 3	24
	ELECTRICAL TECHNOLOGY	ELT		Electrical vehicle (EV) charging station installation	ELTVCS01	8	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Digital electronics fundamentals	ELTDE401	9	Level 4	
78	ELECTRICAL TECHNOLOGY	ELT	Electrical automation and HVAC installation	Pneumatic and hydraulic systems installation	ELTPH401	9	Level 4	28
	ELECTRICAL TECHNOLOGY	ELT		Electrical automation system installation	ELTAI501	8	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Basics of networking	GENBN 501	4	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Heating, ventilation and air conditioning (HVAC) installation	ELTAC401	7	Level 4	
79	ELECTRICAL TECHNOLOGY	ELT	Domestic electrical installation and maintenance	Power protection systems installation	ELTPP301	9	Level 3	57
	ELECTRICAL TECHNOLOGY	ELT		Photo-Voltaic (PV) home system installation	RENPV301	7	Level 3	
	ELECTRICAL TECHNOLOGY	ELT		Automatic electrical switches and detectors installation	ELTSD301	5	Level 3	
	ELECTRICAL TECHNOLOGY	ELT		Electrical lighting and power sockets installation	ELTEC301	10	Level 3	
	ELECTRICAL TECHNOLOGY	ELT		Domestic electrical maintenance	ELTEM301	9	Level 3	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	ELECTRICAL TECHNOLOGY	ELT		Domestic electrical drawing	ELTED301	7	Level 3	
	ELECTRICAL TECHNOLOGY	ELT		Benchwork applied to domestic electricity	ELTBW301	6	Level 3	
80	ELECTRICAL TECHNOLOGY	ELT	Electrical power plant installation and maintenance	Electrical power line construction	ELTLC501	10	Level 5	34
	ELECTRICAL TECHNOLOGY	ELT		Electrical power system maintenance	ELTPM501	6	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Power plant electromechanical equipment installation	ELTEI501	10	Level 5	
	ELECTRICAL TECHNOLOGY	ELT		Power plant operation	ELTPO501	8	Level 5	
81	RENEWABLE ENERGY	REN	Biomass energy and improved cooking stove production	Briquette making	RENB301	8	Level 3	42
	RENEWABLE ENERGY	REN		Improved cooking stove	RENIS301	8	Level 3	
	RENEWABLE ENERGY	REN		Briquette and pellet plant installation	RENB401	7	Level 4	
	RENEWABLE ENERGY	REN		Basic construction skills	RENC301	5	Level 3	
	RENEWABLE ENERGY	REN		Basic domestic plumbing skills	RENDP301	5	Level 3	
	RENEWABLE ENERGY	REN		Biogas plant construction	RENBG401	9	Level 4	
82	RENEWABLE ENERGY	REN	Solar energy systems installation	Photo-Voltaic (PV) home system installation	RENPV301	7	Level 3	47
	RENEWABLE ENERGY	REN		Solar PV power plant construction	RENC401	7	Level 4	
	RENEWABLE ENERGY	REN		Solar water pumping system installation	RENSP401	6	Level 4	
	RENEWABLE ENERGY	REN		Solar dryer fabrication	RENSD401	7	Level 4	
	RENEWABLE ENERGY	REN		Solar water heater installation	RENSW301	5	Level 3	
	RENEWABLE ENERGY	REN		Basics of Networking	GENNB401	4	Level 4	
	RENEWABLE ENERGY	REN		Basics of welding	GENBW401	4	Level 4	
	RENEWABLE ENERGY	REN		Solar water heater system fabrication	RENWH401	7	Level 4	
	RENEWABLE ENERGY	REN						
83	RENEWABLE ENERGY	REN	Hydropower plant installation	Hydroturbine generator installation	RENGI501	12	Level 5	46
	RENEWABLE ENERGY	REN		Hydropower plant operation	RENHO501	8	Level 5	
	RENEWABLE ENERGY	REN		Pneumatic and hydraulic system installation	RENPH501	9	Level 5	
	RENEWABLE ENERGY	REN		Hydropower plant auxiliaries' installation	RENAI501	11	Level 5	
	RENEWABLE ENERGY	REN		Computer Aided Design	GENCD401	6	Level 4	
84	RENEWABLE ENERGY	REN	Electrical machines installations	Electrical rotating machines installation	GENRM401	9	Level 4	38
	RENEWABLE ENERGY	REN		Electrical lighting and power socket installations	RENIEC301	7	Level 3	
	RENEWABLE ENERGY	REN		Power protection system installation	RENPS301	8	Level 3	
	RENEWABLE ENERGY	REN		Domestic electrical drawing	RENE301	7	Level 3	
	RENEWABLE ENERGY	REN		Winding of electrical machines	RENWM501	7	Level 5	
85	RENEWABLE ENERGY	REN	Electronic Systems and EV charging station installation	EV charging station	RENCV501	7	Level 5	31
	RENEWABLE ENERGY	REN		Fundamentals of electricity and electronics	RENFE301	7	Level 3	
	RENEWABLE ENERGY	REN		Power electronic fundamentals	RENPE501	6	Level 5	
	RENEWABLE ENERGY	REN		Digital electronics fundamental	GENDE501	7	Level 5	
	RENEWABLE ENERGY	REN		Measurement and instrumentation application	GENMI401	7	Level 4	

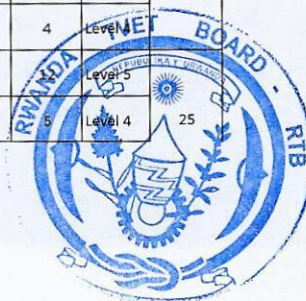




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
86	BUILDING CONSTRUCTION	BDC	Construction Technical Drawing	Construction Basic Technical Drawing	BDCTD301	9	Level 3	34
	BUILDING CONSTRUCTION	BDC		Building construction Drawing	BDCCD401	7	Level 4	
	BUILDING CONSTRUCTION	BDC		Quantifying Construction Works	BDCQC401	5	Level 4	
	BUILDING CONSTRUCTION	BDC		Basics of Autocad	BDCAC401	6	Level 4	
	BUILDING CONSTRUCTION	BDC		Archicad Software	BDCAC501	7	Level 5	
87	BUILDING CONSTRUCTION	BDC	Reinforced Concrete Design	Concrete Works	BDCCW401	12	Level 4	32
	BUILDING CONSTRUCTION	BDC		Reinforcements Steel Bars Works	BDCRS401	8	Level 4	
	BUILDING CONSTRUCTION	BDC		Basic Reinforced Concrete Design (RCD)	BDCBD501	12	Level 5	
88	BUILDING CONSTRUCTION	BDC	Building elevation and Roof construction	Construction of Stones Structures	BDCCS301	7	Level 3	44
	BUILDING CONSTRUCTION	BDC		Brick and Block masonry wall elevation	BDCBB301	10	Level 3	
	BUILDING CONSTRUCTION	BDC		Scaffolding Operations	BDCSO501	7	Level 5	
	BUILDING CONSTRUCTION	BDC		Roof Construction	BDCRC501	8	Level 5	
	BUILDING CONSTRUCTION	BDC		Construction Site Management	BDCCM501	7	Level 5	
	BUILDING CONSTRUCTION	BDC		Building set out	BDCSB301	5	Level 3	
89	BUILDING CONSTRUCTION	BDC	Building materials and their applications	Production of Soil based Bricks and Blocks	BDCSB301	5	Level 3	28
	BUILDING CONSTRUCTION	BDC		Cement Based Blocks and Pavers works	BDCBP401	8	Level 4	
	BUILDING CONSTRUCTION	BDC		Building Construction Basic Welding	BDCBW401	3	Level 4	
	BUILDING CONSTRUCTION	BDC		Basics Knowledge of Domestic Electricity	BDCDE301	3	Level 3	
	BUILDING CONSTRUCTION	BDC		Basics of Plumbing	BDCBP301	5	Level 3	
	BUILDING CONSTRUCTION	BDC		Fundamentals of building materials	BDCCM301	4	Level 3	
90	BUILDING CONSTRUCTION	BDC	Finishing works in building Construction	Ornamental Finishing Works	BDCCF501	8	Level 5	47
	BUILDING CONSTRUCTION	BDC		Plastering of structure Elements	BDCCP301	4	Level 3	
	BUILDING CONSTRUCTION	BDC		Tile works	BDCTW401	7	Level 4	
	BUILDING CONSTRUCTION	BDC		Terrazzo Works	BDCTZ401	8	Level 4	
	BUILDING CONSTRUCTION	BDC		Ceiling Installation	BDCCI501	6	Level 5	
	BUILDING CONSTRUCTION	BDC		Acoustic and Thermal insulations	BDCAT501	6	Level 5	
	BUILDING CONSTRUCTION	BDC		Cement Flooring construction	BDCPC301	4	Level 3	
	BUILDING CONSTRUCTION	BDC		Opening fixation	BDCBS301	4	Level 3	
	BUILDING CONSTRUCTION	BDC						
91	PUBLIC WORKS	PWO	Hydraulic Structures Construction	Spring Water Supply and Sewerage Structures Construction	PWOWS501	12	Level 5	38
	PUBLIC WORKS	PWO		Drainage Structures Construction	PWODS301	5	Level 3	
	PUBLIC WORKS	PWO		Bridge Construction	PWOBC501	12	Level 5	
	PUBLIC WORKS	PWO		Drainage System Maintenance	PWODM401	5	Level 4	
	PUBLIC WORKS	PWO		Steel Bar Works	PWOSW401	4	Level 4	
92	PUBLIC WORKS	PWO	Technical Drawing and AUTOCAD Software	AutoCAD Civil 3D Software	PWOAC501	5	Level 5	25
	PUBLIC WORKS	PWO		Technical Drawing	PWOTD401	5	Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	PUBLIC WORKS	PWO		Basic Technical Drawing Application	PWOTD301	8	Level 3	
93	PUBLIC WORKS	PWO	Pavement Layers Construction	Unpaved Road Construction	PWOURC301	5	Level 3	35
	PUBLIC WORKS	PWO		Road Alignment Setting	PWORA301	4	Level 3	
	PUBLIC WORKS	PWO		Non-Bituminous Pavements Construction	PWONB401	9	Level 4	
	PUBLIC WORKS	PWO		Surveying Data Collection and Setting Out	PWOC3401	4	Level 4	
	PUBLIC WORKS	PWO		Field Excavation Works	PWOF301	3	Level 3	
	PUBLIC WORKS	PWO		Asphalt Pavement Construction	PWOAP501	10	Level 5	
94	PUBLIC WORKS	PWO	Cost estimation and Masonry Works	Retaining Wall Construction	PWORW301	7	Level 3	41
	PUBLIC WORKS	PWO		Cement Concrete Works	PWOCW401	4	Level 4	
	PUBLIC WORKS	PWO		Site Supervision Of Public Works	PWOS501	7	Level 5	
	PUBLIC WORKS	PWO		Public Work Resources	PWOPR301	3	Level 3	
	PUBLIC WORKS	PWO		Cost Estimation In Public Works	PWOCE501	8	Level 5	
	PUBLIC WORKS	PWO		Masonry Works	PWOMW301	12	Level 3	
95	PUBLIC WORKS	PWO	Construction Materials Testing	Cement Tests	PWOCT401	6	Level 4	25
	PUBLIC WORKS	PWO		Concrete Test	PWOC401	3	Level 4	
	PUBLIC WORKS	PWO		Full Soil Identification and in Situ Dry Density Test	PWOST401	8	Level 4	
	PUBLIC WORKS	PWO		Aggregates' Test	PWOAT401	8	Level 4	
96	PUBLIC WORKS	PWO	Road Maintenance Works	Road Signs, Road Marking and Crash Barriers	PWORS301	4	Level 3	24
	PUBLIC WORKS	PWO		Public Work Hygiene and Safety Precautions	PWOSH301	3	Level 3	
	PUBLIC WORKS	PWO		Unpaved Road Maintenance	PWOUN301	4	Level 3	
	PUBLIC WORKS	PWO		Non-Bituminous Pavements Maintenance	PWOPM401	9	Level 4	
	PUBLIC WORKS	PWO		Do-Nou Technology in Earth Road Maintenance	PWODT401	4	Level 4	
97	LAND SURVEYING	LSV	Surveying and Earthwork Computation	Surveying computation and adjustment	LSVSC402	10	Level 4	31
	LAND SURVEYING	LSV		Earthwork Computation	LSVEC402	10	Level 4	
	LAND SURVEYING	LSV		Basic surveying project planning	LSVPP401	6	Level 4	
	LAND SURVEYING	LSV		Surveying project quantities and cost estimates	LSVQC302	5	Level 3	
98	LAND SURVEYING	LSV	Setting out of civil structures	Building set out	LSVBS302	8	Level 3	33
	LAND SURVEYING	LSV		Building structures Setting out	LSVSB402	8	Level 4	
	LAND SURVEYING	LSV		Hygiene and safety precautions measures	LSVHS302	5	Level 3	
	LAND SURVEYING	LSV		Perform surveying of civil structures	LSVSS501	12	Level 5	
99	LAND SURVEYING	LSV	Surveying Measurements and laboratory maintenance	Angular measurements	LSVAM302	10	Level 3	
	LAND SURVEYING	LSV		Surveying tools and equipment	LSVTE302	3	Level 3	
	LAND SURVEYING	LSV		Surveying laboratory Maintenance	LSVSL501	7	Level 5	
	LAND SURVEYING	LSV		Leveling survey application	LSVLS302	3	Level 3	
	LAND SURVEYING	LSV		Surveying communication language	LSVCL302	3	Level 3	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	LAND SURVEYING	LSV		Linear distance measurement	LSVDM302	8	Level 3	
	LAND SURVEYING	LSV		Coordinate measurement	LSVCM402	8	Level 4	
100	LAND SURVEYING	LSV	GIS and AutoCAD Software in mapping	GIS in mapping	LSVGM402	12	Level 4	38
	LAND SURVEYING	LSV		AutoCAD and Covadis software in surveying project	LSVAC402	10	Level 4	
	LAND SURVEYING	LSV		AutoCAD basic skills	LSVBA302	8	Level 3	
	LAND SURVEYING	LSV		Technical drawing interpretation	LSVDI302	8	Level 3	
101	LAND SURVEYING	LSV	Cadastral, Mine, and Hydrographic surveying	Mine surveying	LSVMS501	10	Level 5	48
	LAND SURVEYING	LSV		Hydrographic surveying	LSVHS501	7	Level 5	
	LAND SURVEYING	LSV		Cadastral surveying	LSVCS502	10	Level 5	
	LAND SURVEYING	LSV		Land law and regulations	LSVLL502	7	Level 5	
	LAND SURVEYING	LSV		Remote Sensing Technology	LSVRS502	8	Level 5	
	LAND SURVEYING	LSV		Surveying technical report	LSVTR302	6	Level 3	
102	PLUMBING TECHNOLOGY	PLT	Plumbing drawing and planning	Basic technical drawing and Autocad	PLTTD401	11	level 4	26
	PLUMBING TECHNOLOGY	PLT		Plumbing works planning	PLTPW302	7	level 3	
	PLUMBING TECHNOLOGY	PLT		Basics of drawing with REVIT-MEP Software	GENRS501	8	level 5	
103	PLUMBING TECHNOLOGY	PLT	Water supply and drainage system installation	Install Domestic water supply	PLTWS302	8	level 3	36
	PLUMBING TECHNOLOGY	PLT		Sanitary appliances installation	PLTSA301	10	level 3	
	PLUMBING TECHNOLOGY	PLT		Installation of house drainage system	PLTHD302	9	level 3	
	PLUMBING TECHNOLOGY	PLT		Hot water system installation	PLTHW401	9	level 4	
104	PLUMBING TECHNOLOGY	PLT	Pumping system installation	Fire fighting system installation	PLTFF401	9	level 4	54
	PLUMBING TECHNOLOGY	PLT		Irrigation system installation	PLTIJ501	9	level 5	
	PLUMBING TECHNOLOGY	PLT		Water features System installation	PLTWFS01	9	level 5	
	PLUMBING TECHNOLOGY	PLT		Water pumping system installation	PLTPS401	9	level 4	
	PLUMBING TECHNOLOGY	PLT		Fuel gas system installation	PLTGS401	9	level 4	
	PLUMBING TECHNOLOGY	PLT		Hydronic system installation	PLTHS01	9	Level 5	
105	PLUMBING TECHNOLOGY	PLT	Water treatment system installation	Waste water treatment system installation	PLTWW501	9	level 5	32
	PLUMBING TECHNOLOGY	PLT		Water treatment system installation	PLTWI501	9	level 5	
	PLUMBING TECHNOLOGY	PLT		Basics of Hydraulics	GENBH501	8	Level 5	
	PLUMBING TECHNOLOGY	PLT		Plumbing facilities repair and maintenance	PLTPF302	6	level 3	
106	PLUMBING TECHNOLOGY	PLT	Water piping system	Pipe joining	PLTPJ302	11	level 3	35
	PLUMBING TECHNOLOGY	PLT		Basic Electricity	PLTBE302	7	Level 3	
	PLUMBING TECHNOLOGY	PLT		Basic plumbing welding	PLTPW401	7	level 4	
	PLUMBING TECHNOLOGY	PLT		Installation of water distribution networks	PLTWD401	10	level 4	
107	INTERIOR DESIGN	IND	Soft Furnishing and Furniture design	Furniture Design	INDFD501	10	Level 5	29
	INTERIOR DESIGN	IND		Upholstery	INDUP401	19	Level 4	

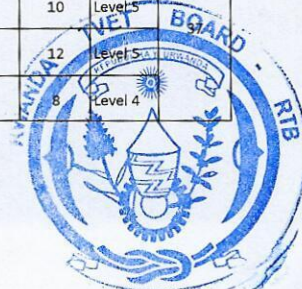




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	INTERIOR DESIGN	IND		Soft Furnishing	INDSF301	9	Level 3	
108	INTERIOR DESIGN	IND	Interior decoration, wall and floor finishing	Wall and Floor Finishing Design	INDWF501	8	Level 5	45
	INTERIOR DESIGN	IND		Tiling	INDTI301	10	Level 3	
	INTERIOR DESIGN	IND		Interior Decoration	INDID401	7	Level 4	
	INTERIOR DESIGN	IND		Molding and Skirting	INDMS301	6	Level 3	
	INTERIOR DESIGN	IND		Interior space assessment	INDSA401	3	Level 4	
	INTERIOR DESIGN	IND		Interior Space Safety Measures	INDSM401	3	Level 4	
	INTERIOR DESIGN	IND		Color Concept	INDCC301	8	Level 3	
109	INTERIOR DESIGN	IND	Residential kitchen, bathroom, and partitions design	Residential Kitchen and Bathroom Design	INDKB501	10	Level 5	36
	INTERIOR DESIGN	IND		Building Partitions	INDBP401	7	Level 4	
	INTERIOR DESIGN	IND		Interior Model Making	INDMM402	5	Level 4	
	INTERIOR DESIGN	IND		Interior carpentry	INDIC301	6	Level 3	
	INTERIOR DESIGN	IND		Sound Proof System Installation	INDSI501	8	Level 5	
110	INTERIOR DESIGN	IND	Cost estimation and interior drawing	Technical Drawing	INDTD301	8	Level 3	39
	INTERIOR DESIGN	IND		Cost Estimation	INDCE301	4	Level 3	
	INTERIOR DESIGN	IND		CAD Software	INDCS401	9	Level 4	
	INTERIOR DESIGN	IND		Interior design materials	INDMA301	3	Level 3	
	INTERIOR DESIGN	IND		Contract management	INDCM401	3	Level 4	
	INTERIOR DESIGN	IND		CAD Rendering	INDCR401	8	Level 4	
	INTERIOR DESIGN	IND		Project presentation	INDPP301	4	Level 3	
111	INTERIOR DESIGN	IND	Exhibition stand, ceiling, doors and windows design	Exhibition stand Design	INDED501	8	Level 5	34
	INTERIOR DESIGN	IND		Ceiling Design	INDCD501	10	Level 5	
	INTERIOR DESIGN	IND		Interior Lighting Design	INDIL501	7	Level 5	
	INTERIOR DESIGN	IND		Doors and Windows Fabrication	INDDW401	9	Level 4	
112	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Computer Power Systems and Electronic Enclosure	Fundamentals of Electricity	GENFE302	7	Level 3	49
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Basic Electronics	GENEB302	6	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Digital Electronics	GENDE401	8	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Creation Of Electronics Enclosure	CSACE401	7	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Basic Technical Drawing	GENTD301	5	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		SolidWorks Design	GENSD401	6	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer Power System Development	CSAPS501	10	Level 5	
113	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Operating System and data structure with C/C++	Fundamentals of C++ Programming	GENFC401	7	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Data Structure and Algorithm using C programming	GENDS501	10	Level 5	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Hobby Kernel Development	CSAHK501	12	Level 5	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		C Programming	GENCP401	8	Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
114	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Integrated Computer Hardware Design, PCB Assembly, and Screen Setup	Embedded System Hardware Development	CSAES401	12	Level 4	45
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		LED and LCD Screen Set up	CSALS401	7	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Electronic Circuit Implementation	CSACI301	8	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer PCB and System Assembling	CSAPA301	8	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer Hardware Architecture	CSACH501	10	Level 5	
115	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Firmware development and systems' automation with PLC	Embedded System Firmware Development	CSAFD401	8	Level 4	19
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Quality Assurance	GENQA501	3	Level 5	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Sytem Automation with PLC	CSASA501	8	Level 5	
116	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Computer System Deployment, Refurbishment and maintenance	Computer Peripherals Deployment	CSAPD301	6	Level 3	33
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer System Refurbishment	CSACR401	7	Level 4	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer System Maintenance	CSACM301	8	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Telephone Maintenance	CSATM301	5	Level 3	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Computer System Deployment	CSACD301	7	Level 3	
117	COMPUTER SYSTEM AND ARCHITECTURE	CSA	Cloud Infrastructure and server administration	Network Fundamentals	GENNF301	5	Level 3	16
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Windows Server Administration	GENWS501	6	Level 5	
	COMPUTER SYSTEM AND ARCHITECTURE	CSA		Cloud Computing Services	GENCC501	5	Level 5	
118	NETWORKING AND INTERNET TECHNOLOGY	NIT	LAN and Zero Client Installation	Network Fundamentals	GENNT301	8	Level 3	35
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Wireless network indoor installation	NITWI301	5	Level 3	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		VoIP system installation	NITVI301	8	Level 3	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Zero Client Technology application	NITZC501	8	Level 5	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		LAN installation	NITLI301	6	Level 3	
119	NETWORKING AND INTERNET TECHNOLOGY	NIT	WAN and Fiber optic installation	Fiber Optic Network Deployment	NITFO401	6	Level 4	29
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Wireless Network Outdoor	NITWO401	8	Level 4	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Wide Area Network	NITWN401	10	Level 4	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Basics of Technical Drawing	GENTD401	5	Level 4	
120	NETWORKING AND INTERNET TECHNOLOGY	NIT	Network and systems security	CCTV system Installation	NITCI301	7	Level 3	19
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Cyber Security	NITCS501	12	Level 5	
121	NETWORKING AND INTERNET TECHNOLOGY	NIT	Network system Automation with Machine Learning	C Programming Fundamentals	GENCP302	8	Level 3	30
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Python Programming Fundamentals	GENPP501	10	Level 5	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Machine Learning Fundamentals	NITML501	12	Level 5	
122	NETWORKING AND INTERNET TECHNOLOGY	NIT	IoT Systems Development and installation	Basics of Electricity	GENBE302	7	Level 3	35
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Electronic fundamentals	GENEF302	8	Level 3	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		IoT Web Application Development Using PHP	NITIW401	10	Level 4	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		IoT system installation	NITIS301	7	Level 3	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Database Development	GENDD401	7	Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	NETWORKING AND INTERNET TECHNOLOGY	NIT		IoT System Development	NITID401	14	Level 4	
123	NETWORKING AND INTERNET TECHNOLOGY	NIT	Cloud computing	Windows Server Administration	NITWA401	10	Level 4	32
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Linux Server Administration	NITLS501	10	Level 5	
	NETWORKING AND INTERNET TECHNOLOGY	NIT		Cloud computing technology in data center	NITCC501	12	Level 5	
124	SOFTWARE DEVELOPMENT	SWD	Front-End Design and Development	Basic Graphic Design	GENGD301	8	Level 3	76
	SOFTWARE DEVELOPMENT	SWD		UI/UX Design	SWDUX301	10	Level 3	
	SOFTWARE DEVELOPMENT	SWD		Vue.JS Framework	SWDVF301	12	Level 3	
	SOFTWARE DEVELOPMENT	SWD		JavaScript Fundamentals	SWDJF301	10	Level 3	
	SOFTWARE DEVELOPMENT	SWD		Front-end App Development with React.js	SWDFA501	11	Level 5	
	SOFTWARE DEVELOPMENT	SWD		Data Structure and Algorithm Fundamentals	SWDDA401	13	Level 4	
	SOFTWARE DEVELOPMENT	SWD		Website Development	SWDWD301	12	Level 3	
125	SOFTWARE DEVELOPMENT	SWD	DevOps and Software Testing	Software Project Requirements Analysis	SWDPR301	5	Level 3	23
	SOFTWARE DEVELOPMENT	SWD		Version Control	SWDVC301	7	Level 3	
	SOFTWARE DEVELOPMENT	SWD		Quality Assurance	GENQA501	5	Level 5	
	SOFTWARE DEVELOPMENT	SWD		DevOps Application	SWDOT501	6	Level 5	
126	SOFTWARE DEVELOPMENT	SWD	Back-End Development and Database	Backend System Design	SWDBS401	8	Level 4	57
	SOFTWARE DEVELOPMENT	SWD		Backend Application Development	SWDBD401	10	Level 4	
	SOFTWARE DEVELOPMENT	SWD		PHP Programming	SWDPP401	13	Level 4	
	SOFTWARE DEVELOPMENT	SWD		Database Development	SWDDD401	10	Level 4	
	SOFTWARE DEVELOPMENT	SWD		NoSQL Database Development	SWDND501	6	Level 5	
	SOFTWARE DEVELOPMENT	SWD		Mobile App Development	SWDMA501	10	Level 5	
127	SOFTWARE DEVELOPMENT	SWD	System Administration	Basics of Networking	GENBN401	7	Level 4	16
	SOFTWARE DEVELOPMENT	SWD		Windows Server Administration	SWDWS401	9	Level 4	
128	SOFTWARE DEVELOPMENT	SWD	Web3 Development and Machine Learning	Python Programming	GENPP501	10	Level 5	28
	SOFTWARE DEVELOPMENT	SWD		Machine Learning application	SWDML501	8	Level 5	
	SOFTWARE DEVELOPMENT	SWD		Blockchain Fundamentals	SWDBF501	10	Level 5	
129	MULTIMEDIA PRODUCTION	MMP	Graphic Design	Design Fundamentals	MMPDF301	7	Level 3	44
	MULTIMEDIA PRODUCTION	MMP		Graphic Design Production	MMPGD301	8	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Artist Drawing	MMPAD301	11	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Advanced Artistic Drawing	GENAD401	7	Level 4	
	MULTIMEDIA PRODUCTION	MMP		Technical Drawing	MMPTD401	5	Level 4	
	MULTIMEDIA PRODUCTION	MMP		Layout Design	MMPLD401	6	Level 4	
130	MULTIMEDIA PRODUCTION	MMP	Photography, Lighting, and Images Editing	Images Editing	MMPIE301	7	Level 3	19
	MULTIMEDIA PRODUCTION	MMP		Lighting	MMPML401	8	Level 4	
	MULTIMEDIA PRODUCTION	MMP		Capturing Photographs	MMPCP401	4	Level 4	

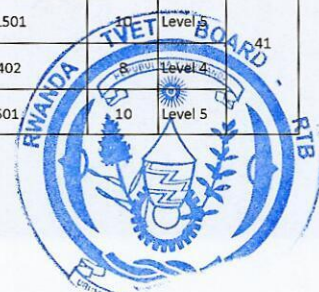




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
131	MULTIMEDIA PRODUCTION	MMP	Sound Production	Sound Recording	MMPRS401	7	Level 4	24
	MULTIMEDIA PRODUCTION	MMP		Sound Editing	MMPSE301	5	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Live Sound Reinforcement	MMPLS501	6	Level 5	
	MULTIMEDIA PRODUCTION	MMP		Audio Mixing	MMPAM501	6	Level 5	
132	MULTIMEDIA PRODUCTION	MMP	Video Production	Video Effect	MMPEV301	8	Level 3	44
	MULTIMEDIA PRODUCTION	MMP		Video Editing	MMPVE301	8	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Camera Operation	MMPCO301	7	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Motion Graphics	MMPMG501	8	Level 5	
	MULTIMEDIA PRODUCTION	MMP		Script Development	GENDS401	5	Level 4	
	MULTIMEDIA PRODUCTION	MMP		Video Production	MMPVP501	8	Level 5	
133	MULTIMEDIA PRODUCTION	MMP	2D Animation Production	Animation Background Design	MMPAB401	9	Level 4	50
	MULTIMEDIA PRODUCTION	MMP		2D Character Design	MMPCD401	10	Level 4	
	MULTIMEDIA PRODUCTION	MMP		Fundamentals of Animation	MMPAF301	8	Level 3	
	MULTIMEDIA PRODUCTION	MMP		Create 2D Animation	MMP2D501	10	Level 5	
	MULTIMEDIA PRODUCTION	MMP		Storyboarding	MMPSB401	6	Level 4	
	MULTIMEDIA PRODUCTION	MMP		2D Props Design	MMPPD401	7	Level 4	
134	MULTIMEDIA PRODUCTION	MMP	Emerging technologies and 3D Modelling	3D Modelling	MMP3D501	10	Level 5	26
	MULTIMEDIA PRODUCTION	MMP		Metaverse, XR and Game Application	MMPMX501	8	Level 5	
	MULTIMEDIA PRODUCTION	MMP		User Interface Design	MMPUI501	8	Level 5	
135	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Cyber Security	Networking fundamentals	SPENF302	6	Level 3	26
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Advanced Networking	SPEAN402	8	Level 4	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Cyber security	SPECS502	12	Level 5	
136	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Data Structure and Algorithms	Fundamentals of Programming using C	SPEFP302	15	Level 3	32
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Computer Basics	SFPCB302	6	Level 3	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Data Structures and Algorithms using C++	SPEDS402	11	Level 4	
137	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Restful Services and Web/Web3 Application Development	Development of web user interface	SPEWI302	15	Level 3	68
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Graphic user interface Design	SPEGI302	13	Level 3	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Basics of Database Development	SPEDD302	10	Level 3	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Web application development using PHP	SPEWP302	12	Level 3	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Web Application Development using Java script	SPEWJ302	13	Level 3	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Web3 Application Development	SPEDW402	5	Level 4	
138	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Intelligent Robotics and Embedded Systems	Embedded system Hardware Design	SPEEH302	13	Level 3	41
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Machine Learning with Python	SPEML501	8	Level 5	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Embedded system software integration	SPEES402	10	Level 4	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Intelligent robotics	SPEIR501	10	Level 5	





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## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
139	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Advanced Java Programming with OOP	Fundamentals of Object-Oriented Programming with Java	SPEJO402	11	Level 4	28
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Advanced Database development	SPEED402	5	Level 4	
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Advanced Java	SPEAJ402	12	Level 4	
140	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Software Testing and Deployment (DevOps)	DevOps	SPEDOS01	6	Level 5	6
141	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Cross-Platform Mobile Development	Development cross-platform mobile applications	SPECM502	6	Level 5	11
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Development of 3D Models	SEPETD401	5	Level 4	
142	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	Software Engineering	Software Engineering	SPESE402	10	Level 4	16
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		IT projects Internationalization and Monetization	SPEPM502	6	Level 5	
143	FASHION DESIGN	FAD	Fashion Illustration and Pattern Creation	Hand sketching	FADHS301	4	Level 3	47
	FASHION DESIGN	FAD		Digital fashion illustration	FADDI501	9	Level 5	
	FASHION DESIGN	FAD		Technical drawing	GENTD301	5	Level 3	
	FASHION DESIGN	FAD		Hand patterns	FADHP301	8	Level 3	
	FASHION DESIGN	FAD		Block pattern manipulation	FADPM401	11	Level 4	
	FASHION DESIGN	FAD		Digital block pattern making,	FADDP501	10	Level 5	
144	FASHION DESIGN	FAD	Fabric Production and Manipulation	Hand weaving	FADHW301	5	Level 3	37
	FASHION DESIGN	FAD		Crocheting and knitting	FADCK301	5	Level 3	
	FASHION DESIGN	FAD		Fabric care	FADFC301	5	Level 3	
	FASHION DESIGN	FAD		Fabric manipulation	FADFM401	7	Level 4	
	FASHION DESIGN	FAD		Basic stitches and surface applications	FADSA301	8	Level 3	
	FASHION DESIGN	FAD		Using embroidery machine	FADME401	7	Level 4	
145	FASHION DESIGN	FAD	Sewing Techniques and Garment Construction	Basic Maintenance of sewing machine	GENMS301	4	Level 3	29
	FASHION DESIGN	FAD		Basic knowledge of domestic electricity	GENBE301	3	Level 3	
	FASHION DESIGN	FAD		Sewing techniques	GENST401	6	Level 4	
	FASHION DESIGN	FAD		Fabric cutting	FADFC401	5	Level 4	
	FASHION DESIGN	FAD		Garment construction	FADGC301	11	Level 5	
146	FASHION DESIGN	FAD	Construction of Women's Wear and Accessories Design	Fashion Accessories,	FADFA501	7	Level 5	56
	FASHION DESIGN	FAD		Make formal dress	FADM401	10	Level 4	
	FASHION DESIGN	FAD		Make jumpsuit	FADMJ401	7	Level 4	
	FASHION DESIGN	FAD		Make women jacket	FADWJ401	11	Level 4	
	FASHION DESIGN	FAD		Make evening gown	FADEGS01	10	Level 5	
	FASHION DESIGN	FAD		Make women's wear	FADWW501	11	Level 5	
147	FASHION DESIGN	FAD	Men's Wear Styling and Marketing	Make men's wear	FADMW501	9	Level 5	28
	FASHION DESIGN	FAD		Make men's suit	FADMSS01	12	Level 5	
	FASHION DESIGN	FAD		Cost estimation	GENCE303	3	Level 3	
	FASHION DESIGN	FAD		Sell fashion products	GENSP401		Level 4	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
148	FINE AND PLASTIC ARTS	FPA	Sculpture Technology	Sculpture	PFASO301	10	Level 3	33
	FINE AND PLASTIC ARTS	FPA		Sculpture of mask, flora and fauna	PFASM401	8	Level 4	
	FINE AND PLASTIC ARTS	FPA		Sculpture of human body parts	PFASH401	7	Level 4	
	FINE AND PLASTIC ARTS	FPA		Sculpture artwork	FPASA501	8	Level 5	
149	FINE AND PLASTIC ARTS	FPA	Ceramics technology	Ceramics	PFACO301	10	Level 3	28
	FINE AND PLASTIC ARTS	FPA		Making ceramic masks, flora, fauna and parts of human body	PFAMC401	9	Level 4	
	FINE AND PLASTIC ARTS	FPA		Ceramic artwork	FPACA501	9	Level 5	
150	FINE AND PLASTIC ARTS	FPA	Digital Art design and animation	2D Animation	FPA2A501	7	Level 5	27
	FINE AND PLASTIC ARTS	FPA		Digital illustration	FPADI501	6	Level 5	
	FINE AND PLASTIC ARTS	FPA		Computer aided design	FPACD 501	4	Level 5	
	FINE AND PLASTIC ARTS	FPA		Script Creation	FPASC 501	3	Level 5	
	FINE AND PLASTIC ARTS	FPA		Video and Photo production	FPAPV501	7	Level 5	
151	FINE AND PLASTIC ARTS	FPA	Surface painting and decoration	Environmental decoration	PFAED301	6	Level 3	35
	FINE AND PLASTIC ARTS	FPA		Basic skills of painting	PFASP 301	10	Level 3	
	FINE AND PLASTIC ARTS	FPA		Environmental painting	PFAPE401	7	Level 4	
	FINE AND PLASTIC ARTS	FPA		Artwork Printing	PFAPA401	4	Level 4	
	FINE AND PLASTIC ARTS	FPA		Mural Painting	FPAMP501	8	Level 5	
152	FINE AND PLASTIC ARTS	FPA	Artistic Drawing and Illustration	Fundamental of artistic drawing	PFAAD301	10	Level 3	51
	FINE AND PLASTIC ARTS	FPA		Sketch	PFAAF401	9	Level 4	
	FINE AND PLASTIC ARTS	FPA		Artistic Drawing	PFAAD401	5	Level 4	
	FINE AND PLASTIC ARTS	FPA		Technical drawing	PFAD0302	6	Level 3	
	FINE AND PLASTIC ARTS	FPA		Building model	PFABM401	5	Level 5	
	FINE AND PLASTIC ARTS	FPA		Artistic Anatomy	FPAAA502	5	Level 5	
	FINE AND PLASTIC ARTS	FPA		Analog illustration	PFAAI401	6	Level 4	
	FINE AND PLASTIC ARTS	FPA		Scene Sketching	FPASS 501	5	Level 5	
153	FINE AND PLASTIC ARTS	FPA	History of art and aesthetics	Describe pre-history and history of art in antiquity	PFAHA301	4	Level 3	13
	FINE AND PLASTIC ARTS	FPA		Describe art in middle age and renaissance	PFAMR401	5	Level 4	
	FINE AND PLASTIC ARTS	FPA		Describe artistic movement in modern, contemporary, and African art	FPAAHA501	4	Level 5	
154	MINING TECHNOLOGY	MNT	General Geology	Mine plan implementation	MNTMP501	9	Level 5	31
	MINING TECHNOLOGY	MNT		Field reconnaissance	MNTFR401	12	Level 4	
	MINING TECHNOLOGY	MNT		Mineral identification	MNTMI501	10	Level 5	
155	MINING TECHNOLOGY	MNT	Fundamentals of Mine Ventilation, Safety, and Engineering Drawing	Basic Engineering Drawing	MNTED501	7	Level 5	31
	MINING TECHNOLOGY	MNT		Basic mine ventilation system design	MNTVD501	12	Level 5	
	MINING TECHNOLOGY	MNT		Mine ventilation system implementation	MNTVS501	11	Level 5	
	MINING TECHNOLOGY	MNT		Safety and security assessment at the mining site	MNGSS302	1	Level 3	

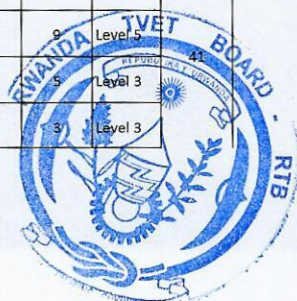




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	MINING TECHNOLOGY	MNT		Dealing with emergency cases	MNGEC302	5	Level 3	
156	MINING TECHNOLOGY	MNT	Mine Drilling and Blasting	Mine drilling	MNGMD302	7	Level 3	21
	MINING TECHNOLOGY	MNT		Explosive storekeeping	MNTES401	7	Level 4	
	MINING TECHNOLOGY	MNT		Mine blasting	MNGMB302	7	Level 3	
157	MINING TECHNOLOGY	MNT	Mineral Processing and Mine Rehabilitation	Underground mine support	MNTUS401	12	Level 4	53
	MINING TECHNOLOGY	MNT		Railway installation	MNGRI302	6	Level 3	
	MINING TECHNOLOGY	MNT		Loading and off loading	MNGLO302	6	Level 3	
	MINING TECHNOLOGY	MNT		Mineral washing	MNTMW401	12	Level 4	
	MINING TECHNOLOGY	MNT		Overburden Removal	MNTOR302	5	Level 3	
	MINING TECHNOLOGY	MNT		Ore/waste transportation	MNGOT302	7	Level 3	
	MINING TECHNOLOGY	MNT		Mine rehabilitation	MNTMR501	5	Level 5	
158	MINING TECHNOLOGY	MNT	Maintenance of Mining Tools and Equipment	Preventive maintenance of mining heavy machinery	MNTPM401	9	Level 4	33
	MINING TECHNOLOGY	MNT		Minor maintenance	MNGMM302	4	Level 3	
	MINING TECHNOLOGY	MNT		Using and handling mining tools and equipment	MNGMT302	6	Level 3	
	MINING TECHNOLOGY	MNT		Winch and Hoist Operation	MNGWH302	5	Level 3	
	MINING TECHNOLOGY	MNT		Manoeuvring of Mining Heavy Machinery	MNTHM401	9	Level 4	
159	MANUFACTURING TECHNOLOGY	MAT	Technical Drawing and CAD Software	Basics of Technical Drawing	GENBD301	4	Level 3	12
	MANUFACTURING TECHNOLOGY	MAT		SolidWorks Design	GENSD401	8	Level 4	
160	MANUFACTURING TECHNOLOGY	MAT	Metal Work	Benchwork	MATBW301	5	Level 3	24
	MANUFACTURING TECHNOLOGY	MAT		Bending Operation	MATBO301	3	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Rolling Operation	MATRO301	3	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Punching Operation	MATPO301	3	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Metal cutting	MATMC301	4	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Forging operations	MATFO401	6	Level 4	
161	MANUFACTURING TECHNOLOGY	MAT	Advanced Welding Technology	SMAW on Mild steel	MATSW301	8	Level 3	49
	MANUFACTURING TECHNOLOGY	MAT		SMAW on aluminium, stainless and cast-iron	MATSA401	10	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Oxy-acetylene gas welding on mild steel	MATOA301	6	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Oxy-acetylene gas welding on stainless steel, aluminium, and cast iron	MATOA401	10	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Spot welding	MATSW401	5	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Pipes and Pressure Vessels Welding	MATPV501	10	Level 5	
162	MANUFACTURING TECHNOLOGY	MAT	Advanced Machining and Casting Technology	Lathe machine operation	MATLO401	8	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Milling Machine Operations	MATMO501	11	Level 5	
	MANUFACTURING TECHNOLOGY	MAT		Parts production on CNC Machine	MATPC501	9	Level 5	
	MANUFACTURING TECHNOLOGY	MAT		Basic casting	MATBC301	5	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Drilling Machine Operation	MATDO301	3	Level 3	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
	MANUFACTURING TECHNOLOGY	MAT		Mould partten marking	MATMP401	5	Level 4	
163	MANUFACTURING TECHNOLOGY	MAT	Mechanical machines production and Assembling Technology	Cost estimation	GENCE401	4	Level 4	31
	MANUFACTURING TECHNOLOGY	MAT		Aluminium profiles assembling	MATAA301	4	Level 5	
	MANUFACTURING TECHNOLOGY	MAT		Assembling Manufactured Parts /components	MATAC401	7	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Mechanical fastening	MATMF301	4	Level 3	
	MANUFACTURING TECHNOLOGY	MAT		Mechanical Machines production	MATMM501	12	Level 5	
164	MANUFACTURING TECHNOLOGY	MAT	Installation and Maintenance of Industrial Machines and Hydropneumatic Systems	Basics of electricity	GENB302	6	Level 3	29
	MANUFACTURING TECHNOLOGY	MAT		Basics of Industrial Electricity	MATIE501	5	Level 5	
	MANUFACTURING TECHNOLOGY	MAT		Machines Preventive Maintenance	GENPM401	4	Level 4	
	MANUFACTURING TECHNOLOGY	MAT		Industrial Machine Installation and Maintenance	MATIM501	8	Level 5	
	MANUFACTURING TECHNOLOGY	MAT		Basics of Pneumatic and Hydraulic Systems	MATHP501	6	Level 5	
165	MUSIC AND PERFORMING ARTS	MPA	Creativity, Innovation, and Music Performance	Music Traditions	ACRMT302	6	Level 3	39
	MUSIC AND PERFORMING ARTS	MPA		Music Innovation	MPAMI502	8	Level 5	
	MUSIC AND PERFORMING ARTS	MPA		Music Group Performance	MPAMG401	9	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Beat making	MPABM 301	4	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Music production	MPAMP501	8	Level 5	
	MUSIC AND PERFORMING ARTS	MPA		Developing Repertoire as Part of Backup Band	MPARB401	4	Level 4	
166	MUSIC AND PERFORMING ARTS	MPA	Mastering Traditional and Modern Music Performance	Basic Repertoire of Rwandan Traditional and Modern Traditional Songs	MPASTSM301	4	Level 3	34
	MUSIC AND PERFORMING ARTS	MPA		Basic Repertoire of Traditional, Folk and Popular Songs	MPATS301	11	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Gakondo Vocal Skills Development	MPAGV401	9	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Gakondo Music Performance	MPAGP502	10	Level 5	
167	MUSIC AND PERFORMING ARTS	MPA	Music Theory, Arrangement and Song Composition	Writing and editing Song Lyrics	ACRSL301	6	Level 3	67
	MUSIC AND PERFORMING ARTS	MPA		Music Notation	MPAMN302	6	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Advanced music theory	MPAAM402	5	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Melody Composition	MPAMC401	8	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Music Composition	MPAMC502	8	Level 5	
	MUSIC AND PERFORMING ARTS	MPA		Music recording	ACRMR302	4	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Audio recorded projects mixing	MPAAM301	5	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Recorded audio mixing	MPAAR401	10	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Matching Lyrics with Melody	MUSLM401	8	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Music Arrangement	MPAMA502	7	Level 5	
168	MUSIC AND PERFORMING ARTS	MPA	Instrumental and Vocal Mastery in Music Performance	Instrument Fundamentals & Techniques	MUSIT302	9	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Developing Instrumental Techniques	MUSIT401	6	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Developing Vocal Techniques	MUSVT401	6	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Professional Vocal Performance	MPAPV501	6	Level 5	





## COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

### I. SPECIFIC MODULES

SN	Trade name	Trade Code	National Examination Paper Name	Proposed Modules integration	Modules Code	Credits	RQF Level	Total Weight
169	MUSIC AND PERFORMING ARTS	MPA		Music instrument maintenance and cable repair	MPAIM302	4	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Music instruments repairing and maintenance	MUSIR401	3	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Perform Instrument	MPAPI502	10	Level 5	
	MUSIC AND PERFORMING ARTS	MPA	Music Business and Industry Management	Professional Portfolio	MPAPP302	3	Level 3	41
	MUSIC AND PERFORMING ARTS	MPA		Music Copyright Laws	MPACL302	3	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Music Business	MPAMB302	3	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Artist Promotion	MPAAP402	5	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Organizing Event	MUSOE401	5	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Audio recording home studio installation	MPAAI301	4	Level 3	
	MUSIC AND PERFORMING ARTS	MPA		Live audio mixing	MUSML401	6	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Managing audio system control networks	MUSAS401	4	Level 4	
	MUSIC AND PERFORMING ARTS	MPA		Music Business Management	MPAMB501	8	Level 5	





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed Integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
170	Software Programming and Embedded Systems	SPE	Applied Mathematics	Apply algebra, trigonometry, probability, and statistics	GENAT302	15	Level 3	Applied Mathematics A	37
	Software Programming and Embedded Systems	SPE	Applied Mathematics	Apply Mathematics	GENAM402	10	Level 4		
	Software Programming and Embedded Systems	SPE	Applied Mathematics	Apply complex numbers, probability, statistics, and Fourier series	GENAM502	12	Level 5		
171	Automobile Technology	AUT	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Automobile Technology	AUT	Applied Mathematics	Apply fundamental mathematical analysis	GENFA402	6	Level 4		
	Automobile Technology	AUT	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Water and Irrigation	WIR	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Water and Irrigation	WIR	Applied Mathematics	Apply fundamental Mathematical analysis	GENFA402	6	Level 4		
	Water and Irrigation	WIR	Applied mathematics	Apply mathematical analysis, statistics, and probability	GENAP502	6	Level 5		
	Agriculture	AGR	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Agriculture	AGR	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Agriculture	AGR	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Food Processing	FOP	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Food Processing	FOP	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Food Processing	FOP	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Animal Health	ANH	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Animal Health	ANH	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Animal Health	ANH	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Leather Technology	LET	Applied Mathematics	Apply algebra and trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Leather Technology	LET	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Leather Technology	LET	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Forestry	FOR	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Forestry	FOR	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Forestry	FOR	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Wood Technology	WOT	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Wood Technology	WOT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Wood Technology	WOT	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Networking and Internet Technology	NIT	Applied Mathematics	Apply Algebra and Trigonometry	GENFT302	6	Level 3	Applied Mathematics B	18
	Networking and Internet Technology	NIT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Networking and Internet Technology	NIT	Applied Mathematics	Apply Mathematical Analysis, statics, and Probability	GENAP502	6	Level 5		
	Software Development	SWD	Applied Mathematics	Apply fundamental algebra and trigonometry	GENFT302	6	Level 3	Applied Mathematics B	18
	Software Development	SWD	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Software Development	SWD	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Computer System and Architecture	CSA	Applied Mathematics	Apply fundamental algebra and trigonometry	GENFT302	6	Level 3	Applied Mathematics B	18
	Computer System and Architecture	CSA	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Computer System and Architecture	CSA	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Multimedia Production	MMP	Applied Mathematics	Apply fundamental algebra and trigonometry	GENFT302	6	Level 3	Applied Mathematics B	18
	Multimedia Production	MMP	Applied mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Multimedia Production	MMP	Applied Mathematics	Apply Mathematical Analysis, Statics, and Probability	GENAP502	6	Level 5		
	Electronics and Telecommunication	ETE	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Electronics and Telecommunication	ETE	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Electronics and Telecommunication	ETE	Applied Mathematics	Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Electrical Technology	ELT	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Electrical Technology	ELT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Electrical Technology	ELT	Applied mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Renewable Energy	REN	Applied Mathematics	Apply algebra and Trigonometry	GENAT302	6	Level 3		





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
	Renewable Energy	REN	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4	Applied Mathematics B	18
	Renewable Energy	REN	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Land Surveying	LSV	Applied mathematics	Apply algebra and trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Land Surveying	LSV	Applied mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Land Surveying	LSV	Applied mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Plumbing Technology	PLT	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Plumbing Technology	PLT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Plumbing Technology	PLT	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Interior Design	IND	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Interior Design	IND	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Interior Design	IND	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Building Construction	BDC	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Building Construction	BDC	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Building Construction	BDC	Applied Mathematics	Apply Mathematical Analysis, Statistics, and Probability	GENAP502	6	Level 5		
	Public Works	PWO	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Public Works	PWO	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Public Works	PWO	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Mining Technology	MNT	Applied Mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics B	18
	Mining Technology	MNT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Mining Technology	MNT	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
	Manufacturing Technology	MAT	Applied Mathematics	Apply Basics of Algebra and Trigonometry	GENBT302	6	Level 3	Applied Mathematics B	18
	Manufacturing Technology	MAT	Applied Mathematics	Apply Fundamental Mathematical Analysis	GENFA402	6	Level 4		
	Manufacturing Technology	MAT	Applied Mathematics	Apply Mathematical Analysis, Statistics and Probability	GENAP502	6	Level 5		
172	Food and Beverage Operations	FBO	Applied Mathematics	Apply Arithmetic and Descriptive	GENAR302	6	Level 3	Applied Mathematics C	18
	Food and Beverage Operations	FBO	Applied mathematics	Apply Basic Mathematical Analysis	GENBA402	6	Level 4		
	Food and Beverage Operations	FBO	Applied Mathematics	Apply logarithms, exponential Equations and Statistics and Probability	GENEP502	6	Level 5		
	Tourism	TOR	Applied Mathematics	Apply Arithmetic	GENAR302	6	Level 3	Applied Mathematics C	18
	Tourism	TOR	Applied Mathematics	Apply basic Mathematical analysis	GENBA402	6	Level 4		
	Tourism	TOR	Applied Mathematics	Apply logarithms, exponential Equations and Probability	GENEP502	6	Level 5		
173	Fashion Design	FAD	Applied mathematics	Apply basic algebra and trigonometry	GENBT302	6	Level 3	Applied Mathematics D	18
	Fashion Design	FAD	Applied mathematics	Apply elementary mathematical analysis	GENEA402	6	Level 4		
	Fashion Design	FAD	Applied mathematics	Apply Logarithms, Exponential Equations and Probability	GENEP502	6	Level 5		
	Fine and Plastic Arts	FPA	Applied mathematics	Apply Basics Algebra and Trigonometry	GENBT302	6	Level 3	Applied Mathematics D	18
	Fine and Plastic Arts	FPA	Applied mathematics	Apply Elementary Mathematical Analysis	GENEA402	6	Level 4		
	Fine and Plastic Arts	FPA	Applied mathematics	Apply Logarithms, Exponential Equations and Probability	GENEP502	6	Level 5		
	Music and Performing Arts	MPA	Applied mathematics	Apply Algebra and Trigonometry	GENAT302	6	Level 3	Applied Mathematics D	18
	Music and Performing Arts	MPA	Applied mathematics	Apply Elementary Mathematical Analysis	GENEA402	6	Level 4		
	Music and Performing Arts	MPA	Applied mathematics	Apply logarithms, exponential Equations and Probability	GENEP502	6	Level 5		
174	Software Programming and Embedded Systems	SPE	Applied Physics	Design Electrical and Electronics Circuits using optical instruments	GENAP302	15	Level 3	Applied Physics A	37
	Software Programming and Embedded Systems	SPE	Applied Physics	Apply Physics	GENAP402	10	Level 4		
	Software Programming and Embedded Systems	SPE	Applied Physics	Apply telecommunication and energy sources systems design	GENAP502	12	Level 5		
175	Automobile Technology	AUT	Applied Physics	Apply General Physics	GENAP302	4	Level 3	Applied Physics B	12
	Automobile Technology	AUT	Applied Physics	Apply mechanics and properties of matter	GENMP402	4	Level 4		
	Automobile Technology	AUT	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Water and Irrigation	WIR	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Water and Irrigation	WIR	Applied Physics	Apply mechanics and properties of matter	GENMP402	4	Level 4		





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed Integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
	Water and Irrigation	WIR	Applied Physics	Apply dynamics and mechanical waves	GENDM502	4	Level 5		
	Leather Technology	LET	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Leather Technology	LET	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Leather Technology	LET	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Forestry	FOR	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Forestry	FOR	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Forestry	FOR	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Wood Technology	WOT	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Wood Technology	WOT	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Wood Technology	WOT	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Networking and Internet Technology	NIT	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Networking and Internet Technology	NIT	Applied Physics	Apply Mechanics and properties of matter	GENMP402	4	Level 4	Applied Physics B	12
	Networking and Internet Technology	NIT	Applied Physics	Apply dynamics and Waves	GENDW502	4	Level 5		
	Software Development	SWD	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Software Development	SWD	Applied Physics	Apply Mechanics and properties of matter	GENMP402	4	Level 4	Applied Physics B	12
	Software Development	SWD	Applied Physics	Apply Dynamics and waves	GENDW502	4	Level 5		
	Computer System and Architecture	CSA	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Computer System and Architecture	CSA	Applied Physics	Apply Mechanics and properties of matter	GENMP402	4	Level 4	Applied Physics B	12
	Computer System and Architecture	CSA	Applied Physics	Apply Dynamics and Waves	GENDW502	4	Level 5		
	Electronics and Telecommunication	ETE	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Electronics and Telecommunication	ETE	Applied Physics	Apply Mechanics and properties of matter	GENMP402	4	Level 4	Applied Physics B	12
	Electronics and Telecommunication	ETE	Applied Physics	Apply Dynamics and Waves	GENDW502	4	Level 5		
	Electrical Technology	ELT	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Electrical Technology	ELT	Applied Physics	Apply Mechanics and properties of matter	GENMP402	4	Level 4	Applied Physics B	12
	Electrical Technology	ELT	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Renewable Energy	REN	Applied Physics	Apply General Physics	GENGP302	4	Level 3		
	Renewable Energy	REN	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Renewable Energy	REN	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Land Surveying	LSV	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Land Surveying	LSV	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Land Surveying	LSV	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Plumbing Technology	PLT	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Plumbing Technology	PLT	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Plumbing Technology	PLT	Applied Physics	Apply Dynamics and Mechanical Waves	GENDM502	4	Level 5		
	Interior Design	IND	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Interior Design	IND	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Interior Design	IND	Applied Physics	Apply Dynamics and Mechanical waves	GENDM502	4	Level 5		
	Building Construction	BDC	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Building Construction	BDC	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Building Construction	BDC	Applied Physics	Apply Dynamics and Mechanical Waves	GENDM502	4	Level 5		
	Public Works	PWO	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Public Works	PWO	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Public Works	PWO	Applied Physics	Apply Dynamics and Mechanical Waves	GENDM502	4	Level 5		
	Mining Technology	MNT	Applied Physics	Apply General Physics	GENAP302	4	Level 3		
	Mining Technology	MNT	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4	Applied Physics B	12
	Mining Technology	MNT	Applied Physics	Apply Dynamics and waves	GENDW502	4	Level 5		





# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed Integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
	Manufacturing Technology	MAT	Applied Physics	Apply General Physics	GENGP302	4	Level 3	Applied Physics B	12
	Manufacturing Technology	MAT	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4		
	Manufacturing Technology	MAT	Applied Physics	Apply Dynamics and mechanical waves	GENDM502	4	Level 5		
176	Multimedia Production	MMP	Applied Physics	Apply General Physics	GENGP302	4	Level 3	Applied Physics C	12
	Multimedia Production	MMP	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4		
	Multimedia Production	MMP	Applied Physics	Apply Dynamics and Waves	GENDW502	4	Level 5		
	Music and Performing Arts	MPA	Applied Physics	Apply General Physics	GENAP302	5	Level 3	Applied Physics C	13
	Music and Performing Arts	MPA	Applied Physics	Apply Mechanics and Properties of Matter	GENMP402	4	Level 4		
	Music and Performing Arts	MPA	Applied Physics	Apply Dynamics and Waves	GENDW502	4	Level 5		
177	Agriculture	AGR	Applied Physics	Apply general physics	GENAP402	6	Level 4	Applied Physics D	12
	Agriculture	AGR	Applied Physics	Apply Fundamentals of Physical Sciences and Environmental Dynamics	GENPE502	6	Level 5		
	Food Processing	FOP	Applied Physics	Apply general physics	GENAP402	6	Level 4	Applied Physics D	12
	Food Processing	FOP	Applied Physics	Apply Fundamentals of Physical Sciences and Environmental Dynamics	GENPE502	6	Level 5		
	Animal Health	ANH	Applied Physics	Apply general physics	GENAP402	6	Level 4	Applied Physics D	12
	Animal Health	ANH	Applied Physics	Apply Fundamentals of Physical Sciences and Environmental Dynamics	GENPE502	6	Level 5		
178	Fine and Plastic Arts	FPA	Applied Physics	Apply general physics	GENAP302	5	Level 3	Applied Physics E	9
	Fine and Plastic Arts	FPA	Applied Physics	Apply mechanics and properties of matter	GENMP402	4	Level 4		
179	Water and Irrigation	WIR	Applied Biology	Demonstrate Basic Knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Water and Irrigation	WIR	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	3	Level 4		
	Water and Irrigation	WIR	Applied Biology	Apply Basic Knowledge of Ecology	GENAB502	3	Level 5		
180	Agriculture	AGR	Applied Biology	Demonstrate Basic Knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Agriculture	AGR	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	3	Level 4		
	Agriculture	AGR	Applied Biology	Apply Basic Knowledge of Ecology	GENAB502	3	Level 5		
	Food Processing	FOP	Applied Biology	Demonstrate Basic Knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Food Processing	FOP	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	3	Level 4		
	Food Processing	FOP	Applied Biology	Apply Basic Knowledge of Ecology	GENAB502	3	Level 5		
	Animal Health	ANH	Applied Biology	Demonstrate Basic Knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Animal Health	ANH	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	3	Level 4		
	Animal Health	ANH	Applied Biology	Apply Basic Knowledge of Ecology	GENAB502	3	Level 5		
	Leather Technology	LET	Applied Biology	Demonstrate Basic knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Leather Technology	LET	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	3	Level 4		
	Leather Technology	LET	Applied Biology	Apply basic knowledge of ecology	GENAB502	3	Level 5		
	Forestry	FOR	Applied Biology	Demonstrate Basic knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Forestry	FOR	Applied Biology	Demonstrate knowledge of General Biology	GENAB402	3	Level 4		
	Forestry	FOR	Applied Biology	Apply Basic knowledge of Ecology	GENAB502	3	Level 5		
	Wood Technology	WOT	Applied Biology	Demonstrate Basic knowledge of General Biology	GENAB302	3	Level 3	Applied Biology A	9
	Wood Technology	WOT	Applied Biology	Demonstrate knowledge of General Biology	GENAB402	3	Level 4		
	Wood Technology	WOT	Applied Biology	Apply Basic knowledge of Ecology	GENAB502	3	Level 5		
	Tourism	TOR	Applied Biology	Apply general Biology	GENAB302	3	Level 3	Applied Biology A	9
	Tourism	TOR	Applied Biology	Demonstrate knowledge of general biology	GENAC402	3	Level 4		
	Tourism	TOR	Applied Biology	Apply basic knowledge of Ecology	GENAB502	3	Level 5		
181	Food and Beverage Operations	FBO	Applied Biology	Demonstrate Basic knowledge of General Biology	GENAB302	3	Level 3	Applied Biology B	9
	Food and Beverage Operations	FBO	Applied Biology	Demonstrate Knowledge of General Biology	GENAB402	5	Level 4		
	Food and Beverage Operations	FBO	Applied Biology	Apply Basic knowledge of Ecology	GENAB502	3	Level 5		
182	Automobile Technology	AUT	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3	Applied Chemistry A	9
	Automobile Technology	AUT	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4		

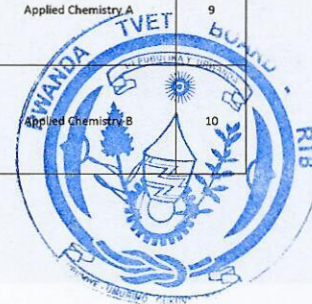




# COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

## II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed Integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
	Automobile Technology	AUT	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Water and Irrigation	WIR	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Water and Irrigation	WIR	Applied Chemistry	Apply basic knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Water and Irrigation	WIR	Applied Chemistry	Apply basics of analytical chemistry	GENAC502	3	Level 5		
	Agriculture	AGR	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Agriculture	AGR	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Agriculture	AGR	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Food Processing	FOP	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Food Processing	FOP	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Food Processing	FOP	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Animal Health	ANH	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Animal Health	ANH	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Animal Health	ANH	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Leather Technology	LET	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Leather Technology	LET	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Leather Technology	LET	Applied Chemistry	Apply basics of analytical chemistry	GENAC502	3	Level 5		
	Forestry	FOR	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Forestry	FOR	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Forestry	FOR	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Wood Technology	WOT	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Wood Technology	WOT	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Wood Technology	WOT	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Fine and Plastic Arts	FPA	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Fine and Plastic Arts	FPA	Applied Chemistry	Apply basic knowledge of organic chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Fine and Plastic Arts	FPA	Applied Chemistry	Apply basics of analytical chemistry	GENAC502	3	Level 5		
	Land Surveying	LSV	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Land Surveying	LSV	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Land Surveying	LSV	Applied chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Plumbing Technology	PLT	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Plumbing Technology	PLT	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Plumbing Technology	PLT	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Interior Design	IND	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Interior Design	IND	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Interior Design	IND	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Building Construction	BDC	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Building Construction	BDC	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Building Construction	BDC	Applied Chemistry	Apply Basic of Analytical Chemistry	GENAC502	3	Level 5		
	Public Works	PWO	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Public Works	PWO	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Public Works	PWO	Applied Chemistry	Demonstrate Basics of Analytical Chemistry	GENAC502	3	Level 5		
	Manufacturing Technology	MAT	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Manufacturing Technology	MAT	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4	Applied Chemistry A	9
	Manufacturing Technology	MAT	Applied Chemistry	Apply Basics of Analytical Chemistry	GENAC502	3	Level 5		
183	Food and Beverage Operations	FBO	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	3	Level 3		
	Food and Beverage Operations	FBO	Applied Chemistry	Apply Basic Knowledge of Organic and Inorganic Chemistry	GENAC402	4	Level 4	Applied Chemistry B	10
	Food and Beverage Operations	FBO	Applied Chemistry	Apply Basic of Analytical Chemistry	GENAC502	3	Level 5		





## COMPOSITION OF TSS LEVEL 5 NATIONAL EXAMINATIONS PAPERS

### II. GENERAL AND COMPLEMENTARY SUBJECTS

SN	Trade name	Trade code	National Examination Paper Name	Proposed Integrated Competences	Module code	Credits	RQF Level	National Examination Paper Name	Total Weight
184	Mining Technology	MNT	Applied Chemistry	Demonstrate Basics of Chemistry	GENAC302	4	Level 3	Applied Chemistry C	12
	Mining Technology	MNT	Applied Chemistry	Apply Basic Knowledge of Organic Chemistry	GENAC402	3	Level 4		
	Mining Technology	MNT	Applied Chemistry	Apply Fundamentals of Chemistry in Mining	GENFC501	5	Level 5		
185	All Trades-SPE	TSS	Ikinyarwanda	Gukoresha Ikinyarwanda kiboneye	CCMKN302	3	Level 3	Ikinyarwanda	9
	All Trades-SPE	TSS		Gukoresha Ikinyarwanda cy'umunyamwuga	CCMKN402	3	Level 4		
	All Trades-SPE	TSS		Gukoresha Ikinyarwanda cy'intyoza	CCMKN502	3	Level 5		
186	All Trades-SPE	TSS	English I	Communicate simply using English in familiar situations	CCMEN302	3	Level 3	English I	9
	All Trades-SPE	TSS		Use intermediate English at workplace	CCMEN402	3	Level 4		
	All Trades-SPE	TSS		Use upper-intermediate English at workplace	CCMEN502	3	Level 5		
187	All Trades-SPE	TSS	Entrepreneurship	Create a Business	CCMBC302	3	Level 3	Entrepreneurship	9
	All Trades-SPE	TSS		Develop a business plan	CCMBP402	3	Level 4		
	All Trades-SPE	TSS		Organize a business	CCMBO502	3	Level 5		
188	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE	English II	Upper-Intermediate Technical English	ENGUT101	9	Level 3	English II	25
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Advanced Technical English	GENEG401	8	Level 4		
	SOFTWARE PROGRAMMING AND EMBEDDED SYSTEMS	SPE		Proficient Technical English	GENPT502	8	Level 5		

NOTE: Chemistry and Biology for FBO & FHO will be assessed in National Examinations starting from 2025/2026 school year

Done at Kigali, on 12/02/2025

