

High education department / saqa / st peace college portfolio tshingombe tshitadi

1...register saqa admin .national framework regulatory qualifications . Institutes foreigners/

Credit subject entry .ngf1.12..

Award diplomat work day certificate.1th,,2.th,,3th,,4th level

I'd number submitted.. record

Academic transcript learner student lecturer..

N national certificate diplomat.

Credit equivalent entry evidence explain

50%..50/100..equivalent. award minimum. meeting

Name surname credit accredit minimum

I'd/name/years qualifications//provision//. Move file in out

I'd	Name surname	years qualificati ons	provision	file student	submitted document file	Courses attendanc e	exam attended
Total	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Entry							
Move							
Performan ce							

Move file submission student term 1,2,3,4,5,6 / semester periodic record / 3month entry 2 week lecture move ,

Subject File student	subject	term	years	score	Final marks	Final point	Final submits doc	Final att	Final exam
#NAME?	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

1.register national examination.

N diplomat. Examination n 1.n6 diplomat t1.

I'd /name /years///file student/submitted document file///

Courses attendance///exam attended

I'd number	Name surname	years	file student	submitted document file	Courses attendanc e	exam attended
1						
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

I'd number registered.regulier diploma n

18month.attendance.term 1.term2.term.3week

Level1.2.3 minimum engineering electrical learning national trade

Registered.. regular/

I'd number candidate.//.I'd regular.//

I'd name///class level///file number//submitted number ///documents attached

National

I'd number	class level	file number	submitted number	documents attached	Courses attendance	exam attended
76	76	76	76	76	76	76

N1.n3..written final engineering

N1,N2, council test trade .

Councils education..

I'd number candidate irregularity register

Reg .I'd number submitted.

Rector at college director principal

System

College internal registered. St peace

And institutor ..distance university

.grade..1..12... level 1.2.63.4.5.6

Under graduat .1.2.3.4

Learner

Teacher

Lecture

Professional

Subject faculty admire

Regularity .. irregularity ruling

I'd name . Term 1.2.3.4.5.6.7.8.9.semester1,2

Report internal diploma. Certificate award . internal statement internal report . Homework class work test .exam internal syllabus hand book campus module practice.

.grade..1.. 12... level 1.2.63.4.5. 6	
Under graduate . 1.2.3.4	
Learner Teacher Lecture	
Subject faculty ad mnise	
Regularity .. irregularit y ruling	
I'd name . Term 1.2.3.4.5.6. 7.8.9. semester1, 2	
	155

Report internal diploma.certificate award . internal statement internal report . homework classwork test .exam internal syllabus hand book campus module practice.

Assessment assignment homework practice theory skill give to student to prove if student at home classes on completion is capable to resolve trade theory Test is capable to

Module correct diagnostic

Manufacture maintenance testify attest award brevet certificate is true

Recording examination. Diplomatic to council of test function working yes and to evaluate grade level n it test coming rather working nice.

T

Test circuit. Nice erroneous value home.

Test operational Commission.

1.homework class work exercise books topics research on line Poe exercise book.//capacity to make reproduce analyse written.///criteria minimum requirements 100

homework class work exercise books topics research on line Poe exercise book	capacity to make reproduct analyse written	criteria minimum requireme nts 100		

2.test evaluation module topics test research Poe's /functional school academic task system function.///

test evaluation module topics test research Poe's	functional school academic task system function			

3. Examination evaluation diagnostic module external internal /low competency year term weekend rating period achieve rewrite.

examinati on evaluation diagnostic module external internal	low competenc y year term weekend rating period achieve rewrite			

Remark.////

Skill engineering

Criteria meet award low saqa questions5 interpretation

Operational control

Good

..

Designing... workplace workshop..

...

[\[Message clipped\] View entire message](#)

**TSHINGO
MBEKB
TSHITADI**
<tshingomb
ekb@gmail.
com>

Aug 20,
2022, 9:03
PM (14
hours ago)

to me

Check. procedure check calibration operational explanation material conduct insulation magnetic Armie
conductor low.

AC.rc current installation check panels check. Calibration operational current formula low.

Resistivity conductive aupra conductivity impedance's. $1/z, 1/r$ resonance test instrument class value correct
instrument model AC DC characteristics operational efficiency correct../

Entry assessment credit module completion.. value engineering

Outcome exhibition assessment process control technologies.

Instrument method measure screening outcome compulsory. Component engineering electrical subject meet
award original meet certificate registered extra curriculum .

Operational task module entry criteria ward . transcript.. operational,

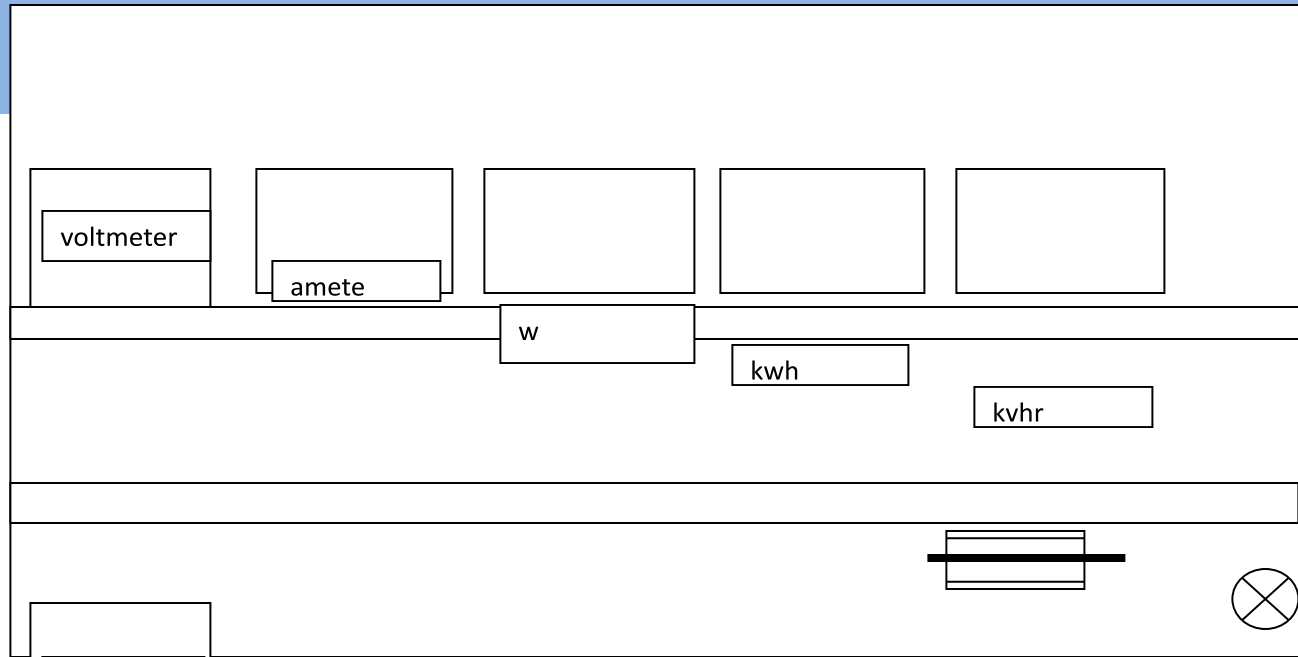
Company name ..St peace college

..interpre dream look for evidence job requirements.check.folow.

2.mesire for checking wiring and circuit

		Installation and circuit up 1000v AC preparing work on accordance legislation required operational procedures and hazard and safety requirements. operating procedure work using instrument measure. check material for conform process. selection,
		Cable installation cable .wire system and enclosed support system. marking labelled testing wiring. completing report and documents shortly comment and terminology..
		Engineering diploma electrical sub electronics record and verified relevant circuit assembly electronics schematic.
		Tagg. testing checking modified
		Entering routine informaton vpro forma. mainly repaired control system .diplomat. look for evidence confirm skill. check operational control device signal obtained. interpret. relevant planing personal. conform control operation response..
		Engineering dismantling .disassembling. serviceable item . setting up appropriate test and calibration equipment settings..
		Test skill knowledge dream statutory electrical wiring support and protection. requirement terminal. telephony . manufacture. conductor connection. connection report
		.select transmission final control. install. local installation.
		Side cutter
		Sed for cutting or trimming of connecting wire terminal lead in circuit components or terminal lead in the circuit board long nose plus. sed.
		Holding bending and stretching the lead electronic. soldering pencil. use to joint two or more metal conductor with the support soldering. sed join two more metal conductor with the support.
		Very satisfactory performance
		Satisfactory performance
		Fairly performance..
		Technical electrical officer
		Band minimum
		Could you created the latest crime fighting technology.
		Skill computer problem. correct function
		Management all electrical aspects of construction project include documents in inspection . compilation specifications saps use
		.
		Working line support and fault analysis in laboratory or I'm field a long side operational colleagues and officer.
		Practices technology.
		General electronic. embedded system including hardware and software
		Knowledge of audio communication and RF.
		Schematic capture PCB. schematic. manufacture technical.
		Qualifications. hnc/ hand electronic electrical engineering systems development..

smeter care meter ohmmeter...calibration check material checking conductivity, insulator.magnetics., resistance
check field magnetic flux meter light ..cell densimeyer checking..



Unity design
Calibration

A

V

W

KWH

KVARH

COS

OHM

UF

C

BAR

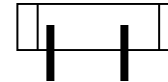
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RAD

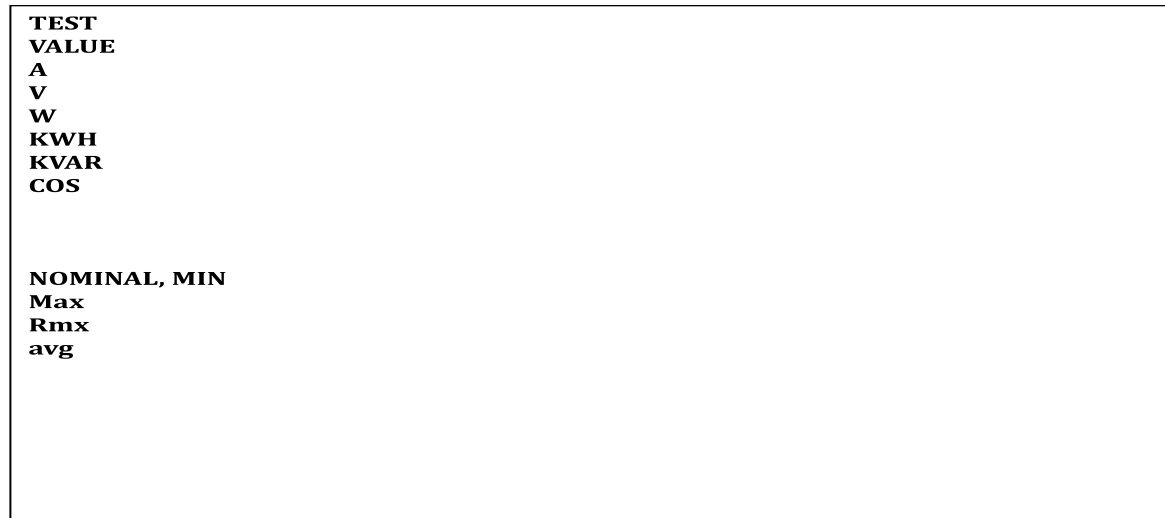
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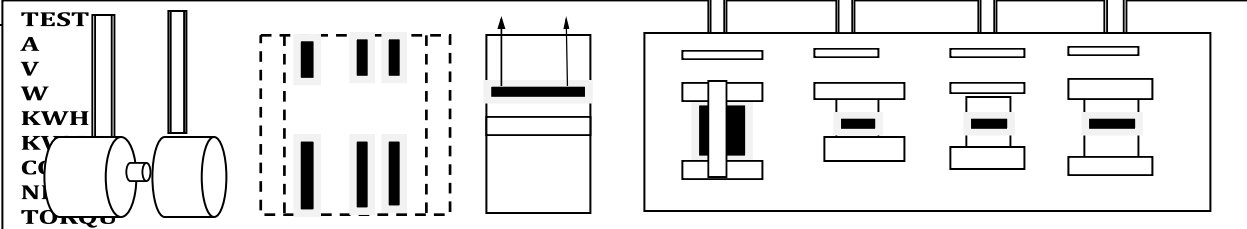
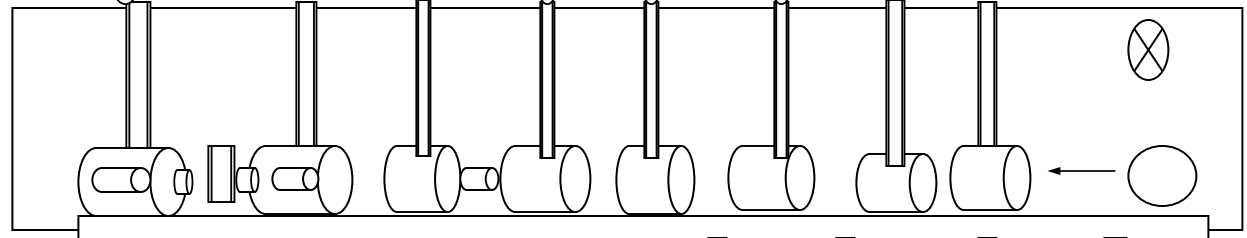
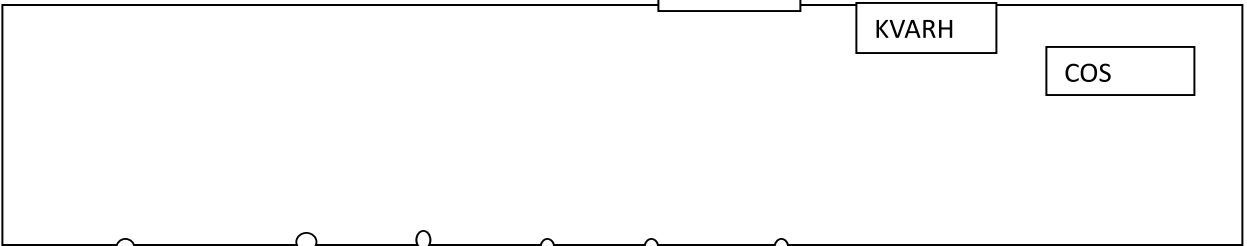
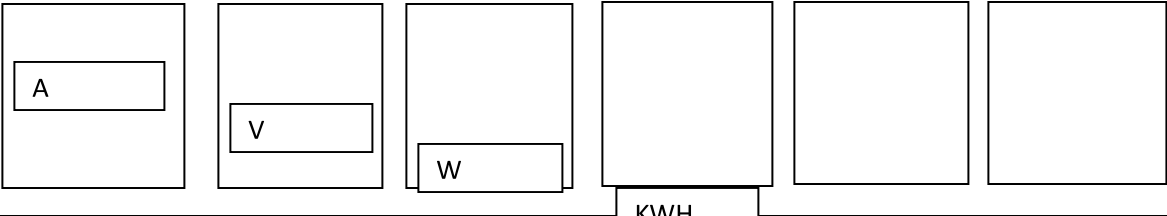
SPECIFIC QUESTION ASSESS ENTRY /POWER OUTCOM TEST



2. Tools assessment. Mark check system fundamental assignment.

trade theory electrical switches control test way control insulation average installation way minimum maximum
value RMS value nominal maximum circuit breaker way .Relay delay timer fuse maximum value rating trading db
box maximum value..inom.imax switch circuit way .bulb lighting trade minimum cost value . metering cost value..
Installation specifications material trade power supply.minim.balance equilibrium circuit, ligne transformation



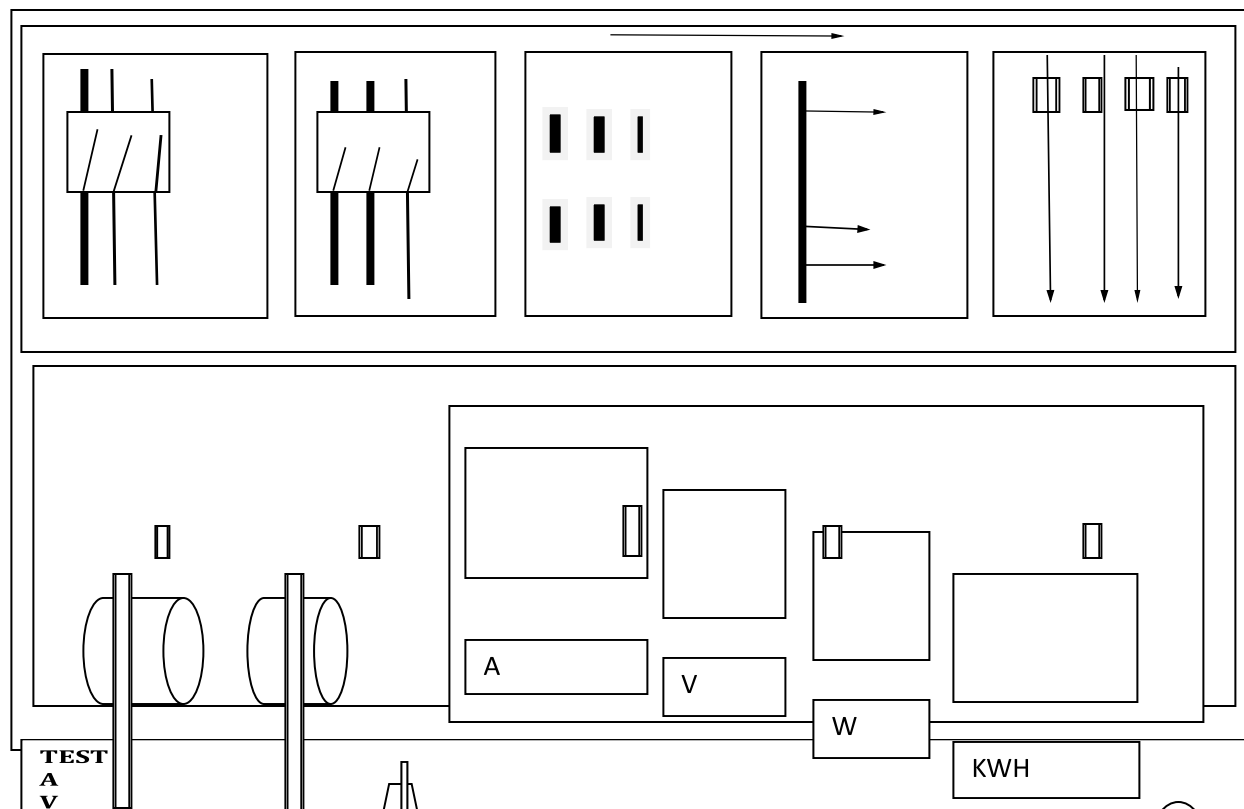


UNITY

Control dispatch distribution system distribution load,

Fundamental system control . Low

Line current phase current



V
W
KW
KWH
KVARH

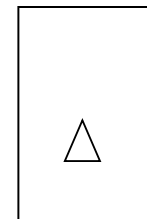
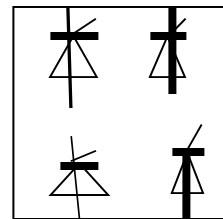
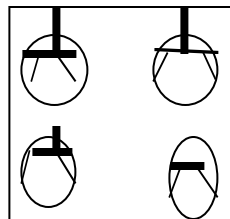
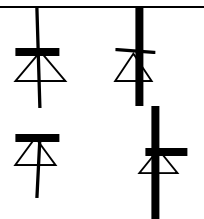
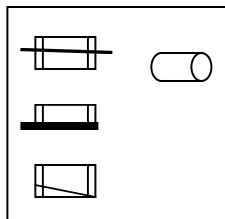
VALUE
NOMINALMAX
POWER FACTOR
ALLOWEDRATE LINE
FEEDER
UNITY

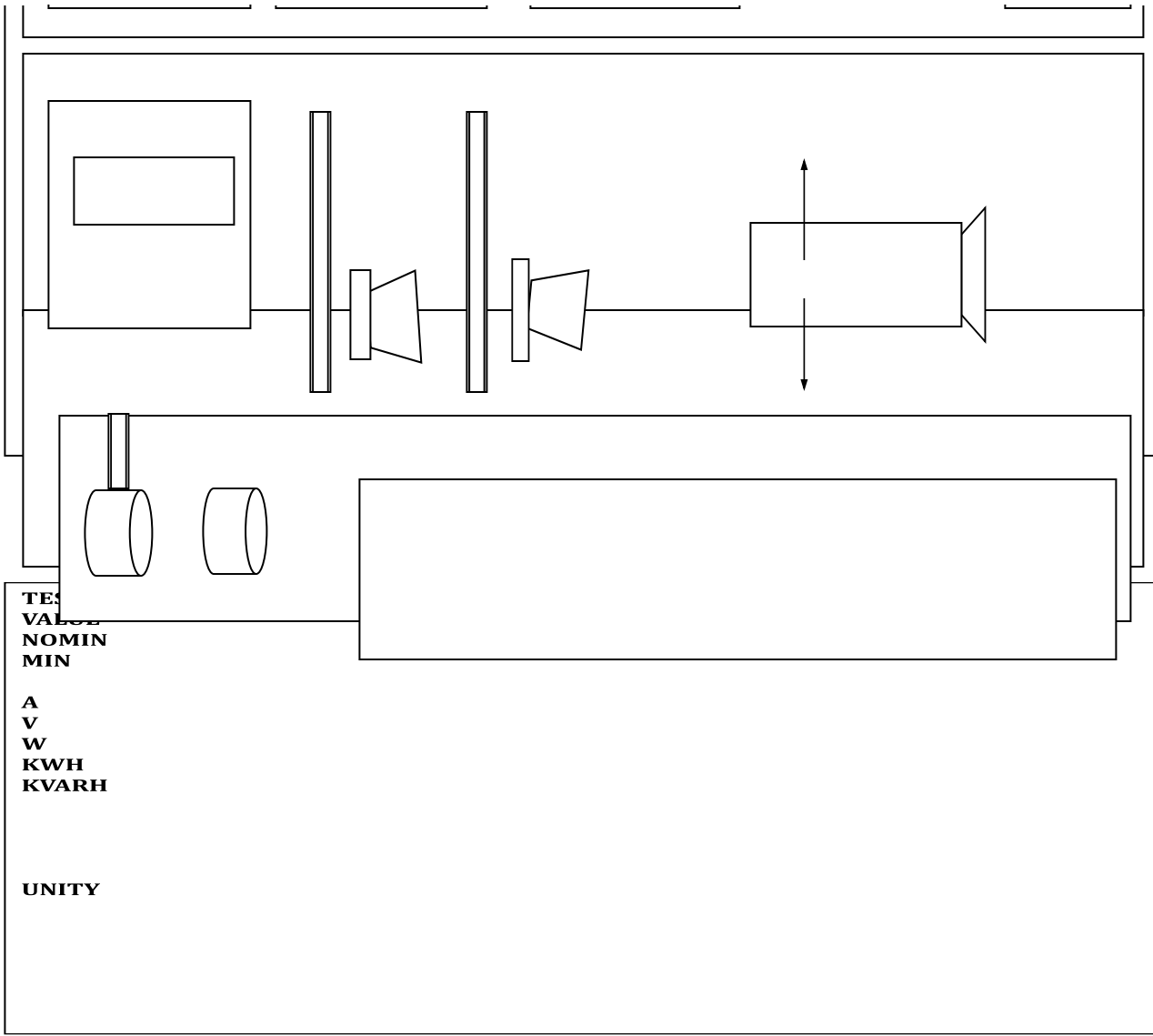


SF EXAFLO,EIB

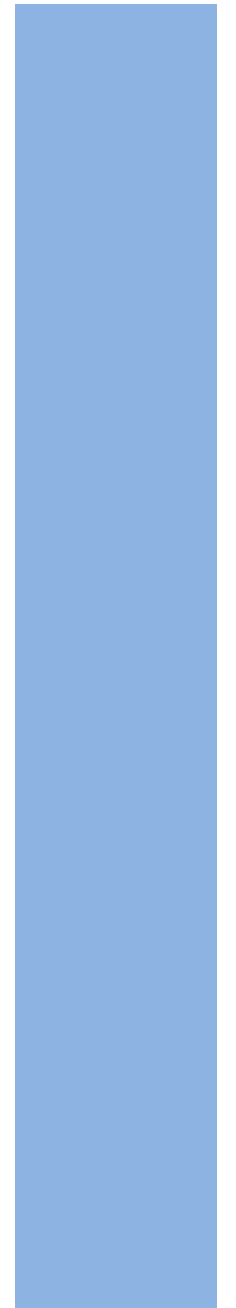
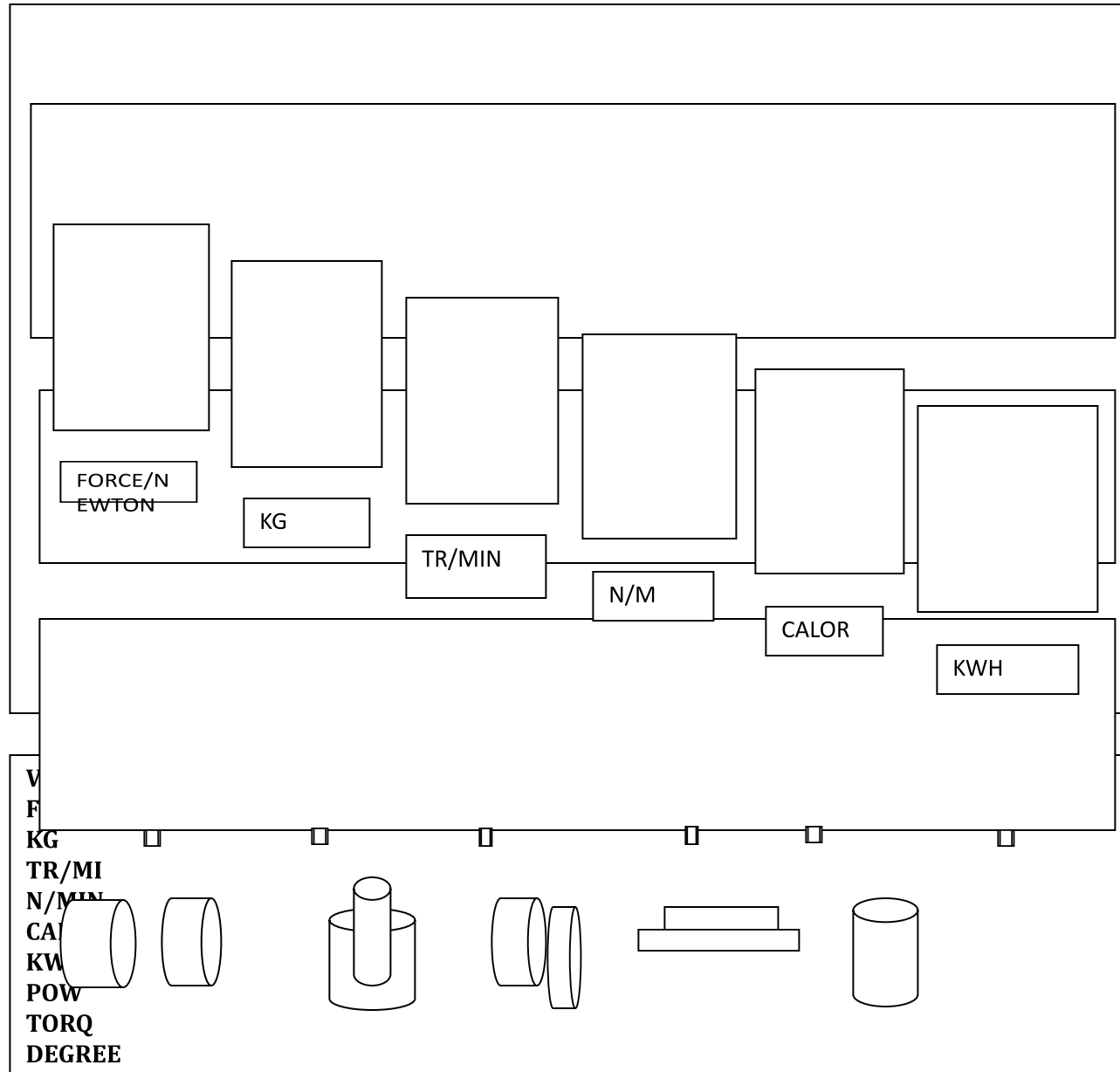
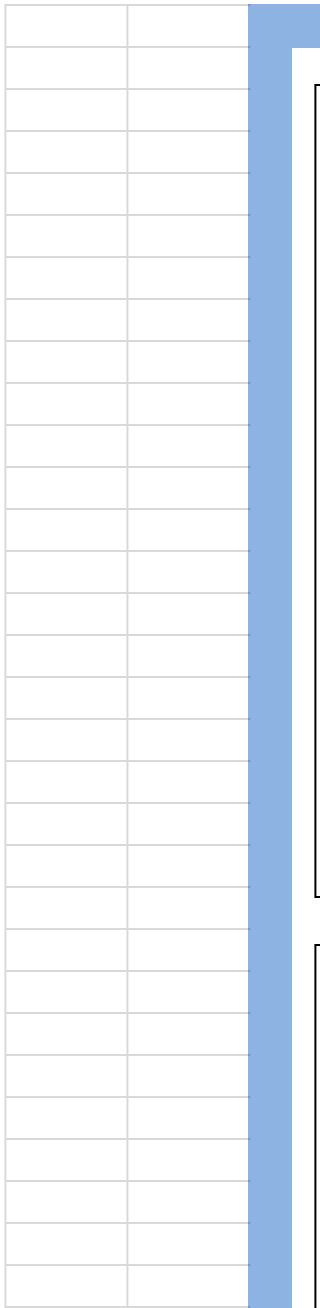
5.tools assessment module criteria

Test semi-conductor diode rectifier full bridge light photos feed test value current peak test evaluation

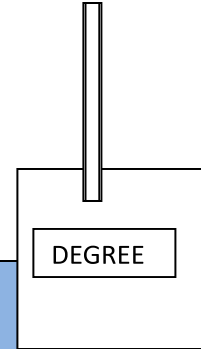
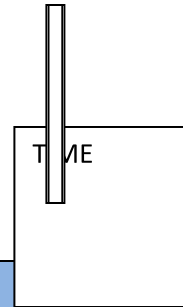
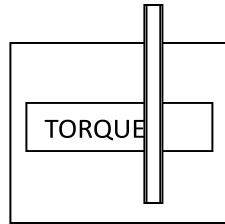
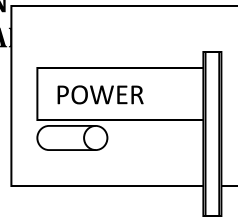




VCO/ICO/RCO
SHORT CIRCUIT LOOP
DIOD,
TANSITR, TYRIST,



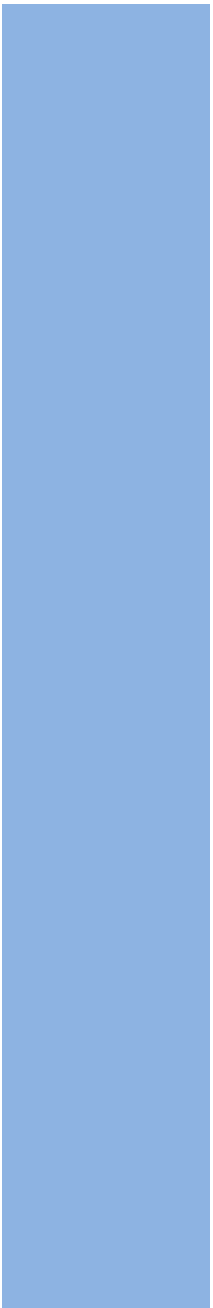
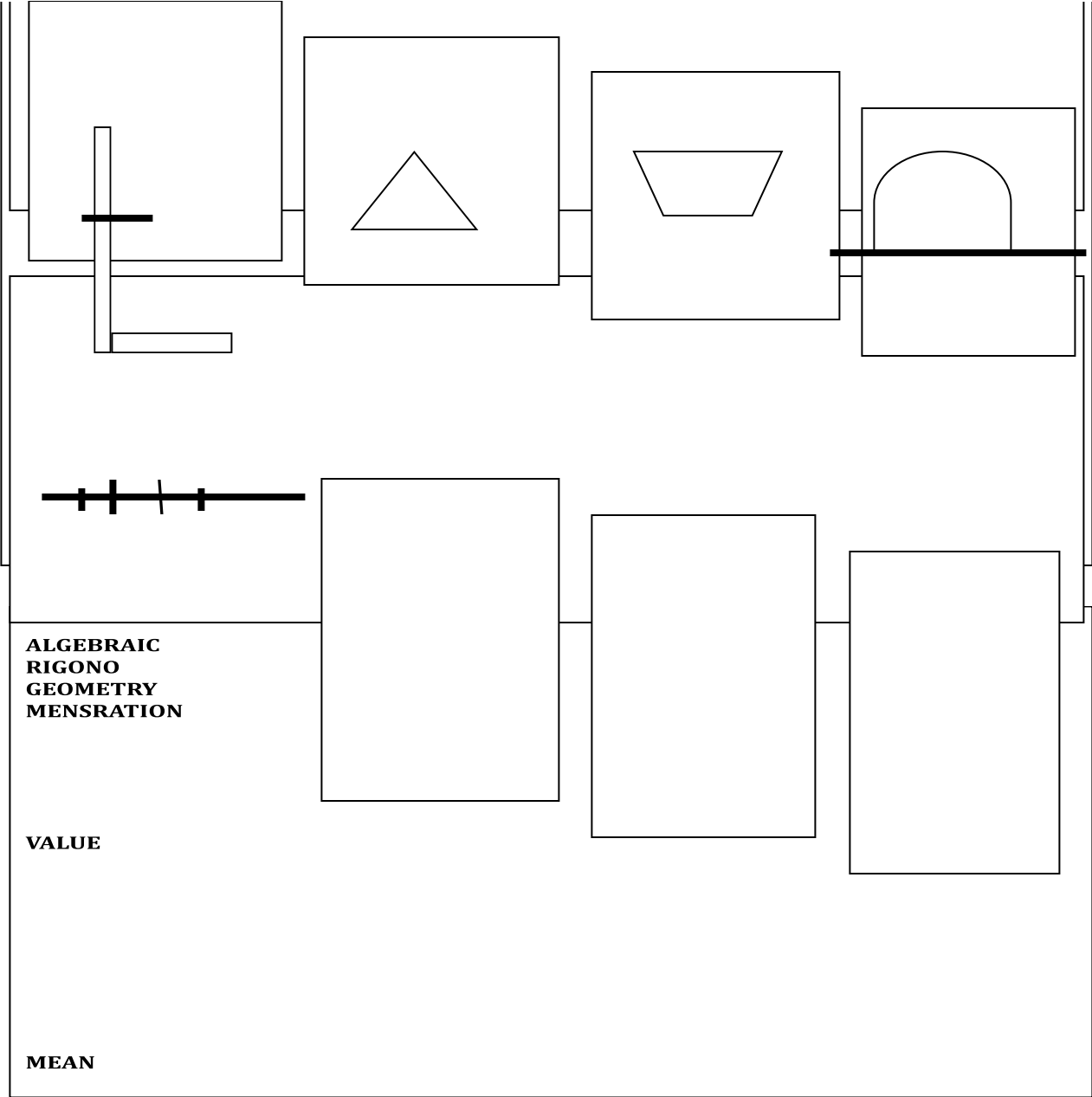
LOAD
MIN
LOA



.. Engineering physic. Test gyroscope. Test top. Test. Force attractive repulsive test diffusion

Power machine test steam machine compressor heater test .tr/Min

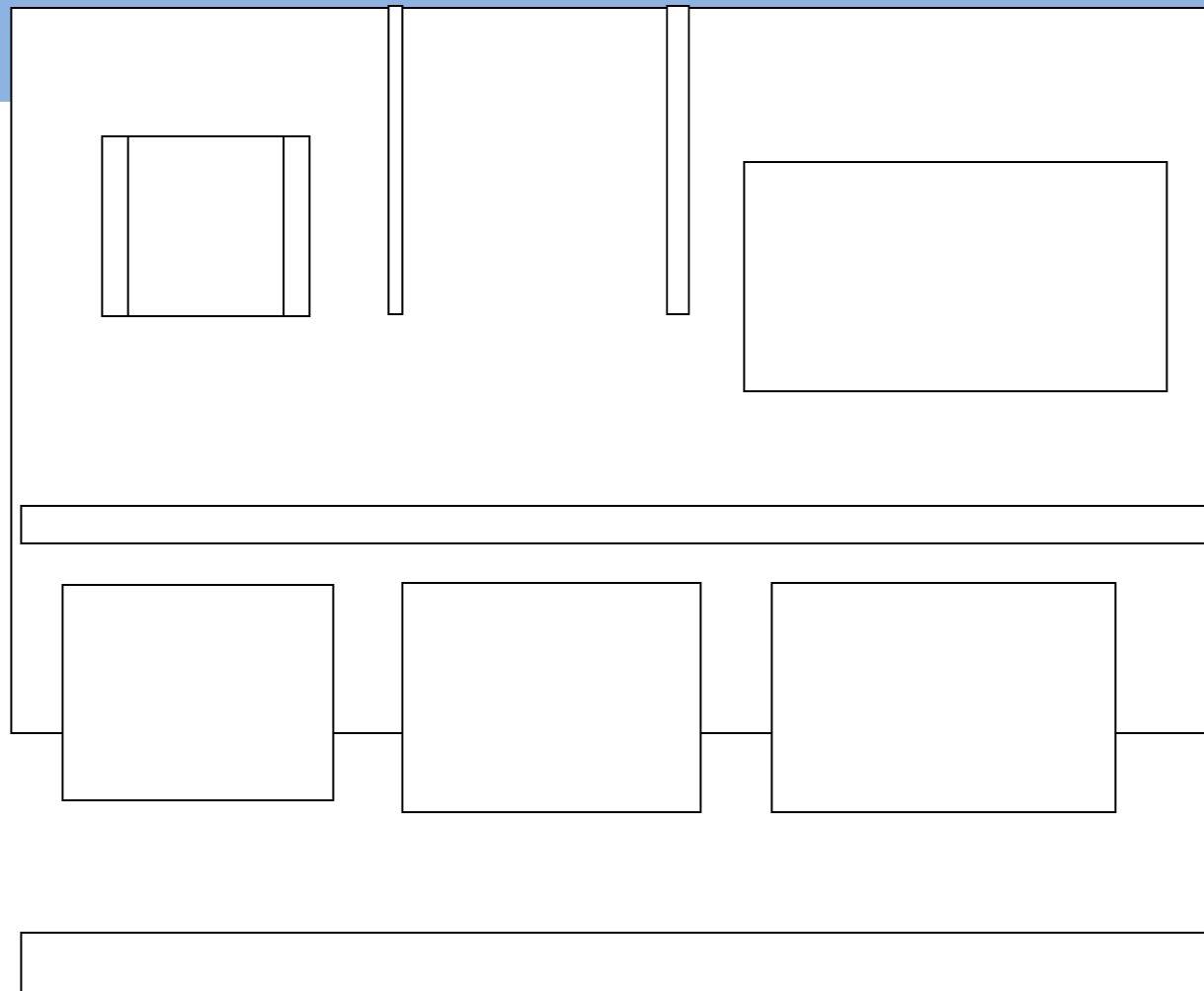
7. Mathematics tools assessment gradient.. Algebraic geometry statistics equation, test angular . trigonometric



Orthographic projection construction cut view, assembly,

MID POINT

Test line dream project reprojection tools rules synoptic test scenarios tools..



[illegible]

		Sector academic planning hierarchies process rector at director principal academic inspection minister work labour
		6.. problem resolution agreement examination national certificate installations rules vocational training and framework internal external problem outcome certificate One statement certificate national agreement career structure zone integrity college assessment police engineering and technology technical support engineer science manufacture mechanic electrical support team outcomes and
		Problem zone diplomatic national certificate zone operational manufacture problem integer grade national certificate installations rules vocational and high School metric certificate grade intermediary elementary phase.
		7.History situation zone district metric and high school department colonial structure apartheid structure statement
		College institutes colonial police circular. Unite kingdom. University and institute integrity. Burgers. Learner from village burn statement certificate tekron and integrity Africanise certificate kingdom language school art creativity.
		8.geography geography map institutor learner technology support insurance company limited continue professional
		Certificate subject north/ south Africa learner statement land .
		9. Organisation structure: director principal for high school and . Rector at administrator secretary high academic officer lecture teacher .learner primary high school . academic learner certificate statement diplomat retention
		Years
		10.Resource material human resources:
		Material properties ownership space power space capacity house home size kmh square class room store room office room desk information
		Kmh m squared . Library bibliotheca book textbook hand book encyclopaedia bank booking schools cashier book treasurer school supply certificate statement certificate problem internal external storeroom storages.. Laboratory workshops size .
		Supply yes or not equipment check tools assessment verification number learned accredit minimum wage and salary care child engineering resource .subject number teacher learner performance check average on total discovery teachers non qualifications no equipment no.. report
		Total inspector marker chief no qualified no accreditation
		11. Resource human learner certificate training statement certificate external internal resource irregularities students total student finalize mater. teacher
		Department high educated education statement and department basic education certificate resource human intellectual property published .
		Student training leavers school leavers number scaling trainings development vocational unachievable subject money time attendance register private leavers
		Inspection non achieve registered marker non reportable marker chief non qualified technicians industrial electronics finalise assessment. Councils education teacher market non qualified
		12. Problem sector engineering system information registered overall days. Leavers schools classes. Statement certificate. Number disqualified. Integrity development support

Operational working research abstral

Examination certificate diplomat employment working diplomat reason attendance and self assessment self written assignment self completed reason self inspection distance learning distance social career home house working and labour. Supplementary time table complementary time table extra curriculum department education and labour unsure and compensation for job award mark Biden close day learner award value learner lecture inspector bonus leaver subject supplementary uif could commissioner study granted learner award and financial pay outcome public award meeting criteria and not meetings award learner for coverage self explanatory system completed free system education on learning irregularity pay to department and external internal fee for examination documents file develop participate learner process irregularities to recover Final processing to attending step diplomat finalize..

Finalize national certificate report subject in term Biden labour

Learner schools enregister learner and teacher salary. schools working test student employment for development system and bursary published textbooks. process employment learner I'd permit finalize exam process. public work labour and assessment police factory learner engineering faculty industrial. support.

Finalized labour skills development trade NVC safety education technical final

2.2 knowledge working verification

Planning organising. Supervisor industrial school instituts.orientation guidelines science school.

Subject. supervisor inspection marker centres school industrial organisation workplace workshop lab discipline duty teach duty invigilator candidate.folloe instruction supervisor lecture supervisor learner supervisor

2.3.Management supervisor school product

Subject doing irregularities subject.institutor career outcome make

Daily teaching development system team time flow sheet time table inspection weekend supervision school high lab class room class

. Principal duty supervisor lecture learner .. Inspection hod file irregularity team affidavit statement evidence give directions. Finalize class irregularities finalised class meeting assessment police.. Docket case file week.

Educational outcome

2.4.Didactic model learn evaluation criteria . Pedagogy fundamental psychology education. psychometric. Test logic education rwtien .

Education

2.6. Businesses management file student account number is accurate cumulative subject extra lesson reasoning business used engagement trade circular..educare child development care. Class be must attendance.industrial schools classes

It class intellectual..

Learner process to reading lecture an process to teach metric class NVC process technical engineering trade test working 2factor . Labour coid for retention statement certificate for step employment contract valid job test certificate .step test policymakers.

to me

. step rwiten completed statement scale

Planning: supervisor human resource .

Information process compilation. Marking sheet computer fundamental

Education technology framework regulatory implementation police circular examines internal external irregularity syllabus completed framework. inspector chief marker duty doing legal services minimum finalised class task

Implementation. Invigilator survey processing normal time normal sequence

Framework meeting

2.6.Cost project

Required cost project: fabrics processing material industrial electronics communications

2.7.Cost station art development exam papers answer book and

Textbook book hand news paper on line size Marge price 76page time table allocation counter book exercise book rwiten exercise homework assignment test class capacity student and test student working functioning student test framework attendance day Operations exercise book school test attendance record days week system learner entry exhibition sign .I'd name time entry subject control desk.

2.8...Marker inspector internal principal and policy assessment health officer inspection hod file learner scale flick exam pad hod internal external file cover learner self for teacher technical industrial development seta . verification hand over certificate coverage lecture day read lecture orientation research allocation time table lecture regularity irregularities filing teacher. Finalise inspection internal hod

Examination external evaluation cost framework.

Cost recording verification saqa institutes completed panel assessment tools control assessment

Engineering manufacture relate tools assessment teacher lecture learner .76 page textbook
learner lecture report sheet report internal external completed assignment homework
practice theory skill give to student..

1..FinalizeTime table

Work permit

Step.

Final award degree diploma certificate high school.graduat education level NQF .
1th3th3th4th day weekend transcript.nqf

2..Final score mark meeting documents

Saqa academic school engineering n entry final certificate diploma

Level documents internal external submission foreign leavers

Research abstral purpose. Proposal.

No meet award

3..Final award

institutes saqa award transcript

Irregularity

And regulatory framework work

4...Final award diploma certificate high education department n Engineering diplomat time
table allocation n Engineering n1.n3 n4 n6 diploma.

Subject transcript .time table examination

Final statement examined papper engineering electrical full time exam papers subject pass .

Statement pass national diplomat

5.Final award certificate electrical panel wiring db safety practices engineering n entry saqa .
Submission. week

6.Final assessment award statement St peace college ,self assessment, peer assessment, group.
, Lecturer
diplomat engineering electrical

External internal. test exam preparatory test level completed select n1.,n.2.,n.3.,n.4.,n.5.,n.6
coverage module completed textbooks exercise books process internal filing

1term	2term/	//. 3term se mester 1.2	years . semester 3.4	Certificate 1/ 2,3,4,5,6 completed	Scaling

1term/ 2term//.3term semester 1.2../ years .semester 3.4..

Certificate 1/,2,3,4,5,6 completed

Scaling

Module// scaling module 100mark , 400marks subject //

Subject learner

Final statement examined diplomat

Compare lecture and self assessment peer.

	Module	scaling m odule 100mark	400marks subject	Subject learner	

Compare saqa marker rating

Learner induction

Compare saqa dhet marking rating

Compare dhet and storage college

Irregularite

.6.Finalize research research advanced field. Baseline assessment. Generation g accumulation learning g.examination research certificate advanced design engineer electrical field . credit accreditation purpose.

.6.1 research time table lessons planning. Engineering .course activity extra time agronomies Engineering.

Research time table assessment police and engineering assessment.educare for integrity skill development moderator self assessment peer group to undergoing. certificate

6 .2. Finalize completed circular extra subject report learner.

-engineering science; physics engineering; power; machine finalize

- finalize: industrial electronics; logic system.

- Leave school academic task system function.

.n1 n3 final...n4 n6 finalize diplomat engineering assessment design. Generation g .

Student performance learn lecture exam /////.score final design

[illegible][illegible]

Purpose principle schema qualify

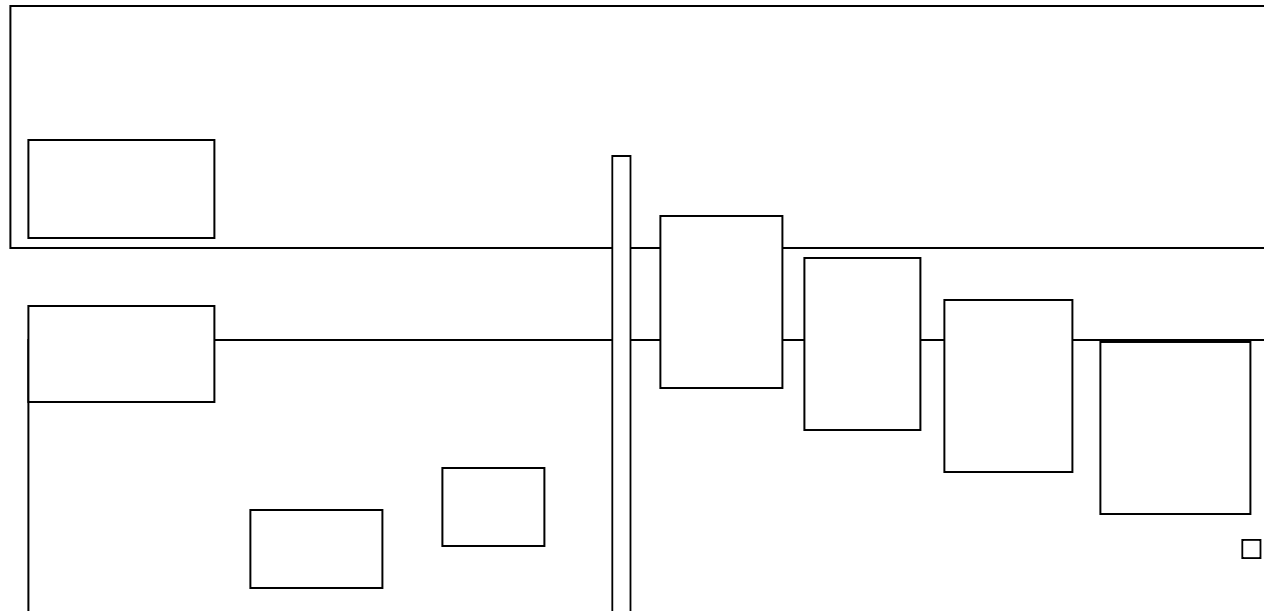
Generation induction learner examination value machine learning .transmission assessment
generation learner..skill admit information stock database Engineering processing.

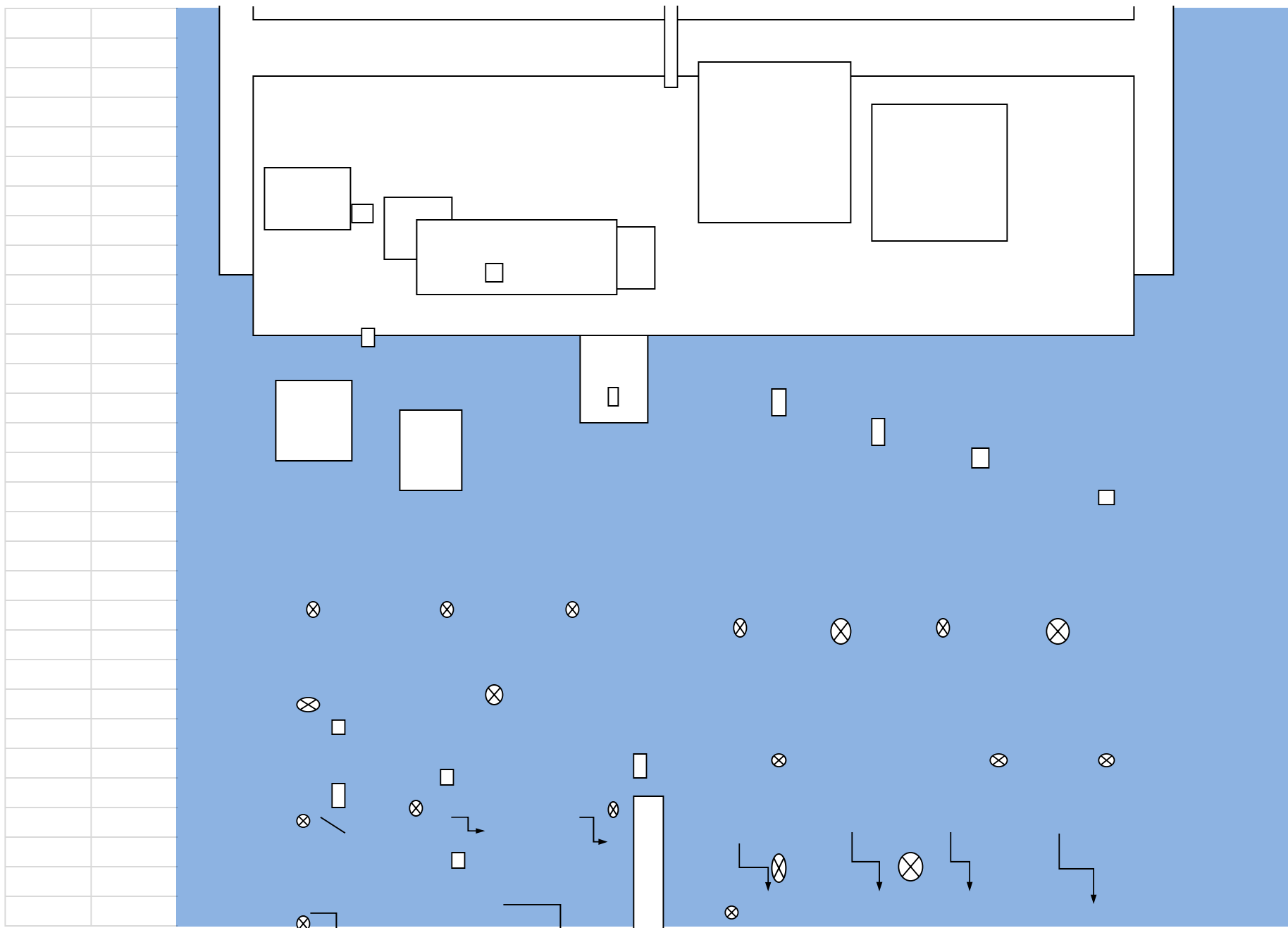
Regeneration machine learner alternance continue learning level . submitted periodic
score finalize

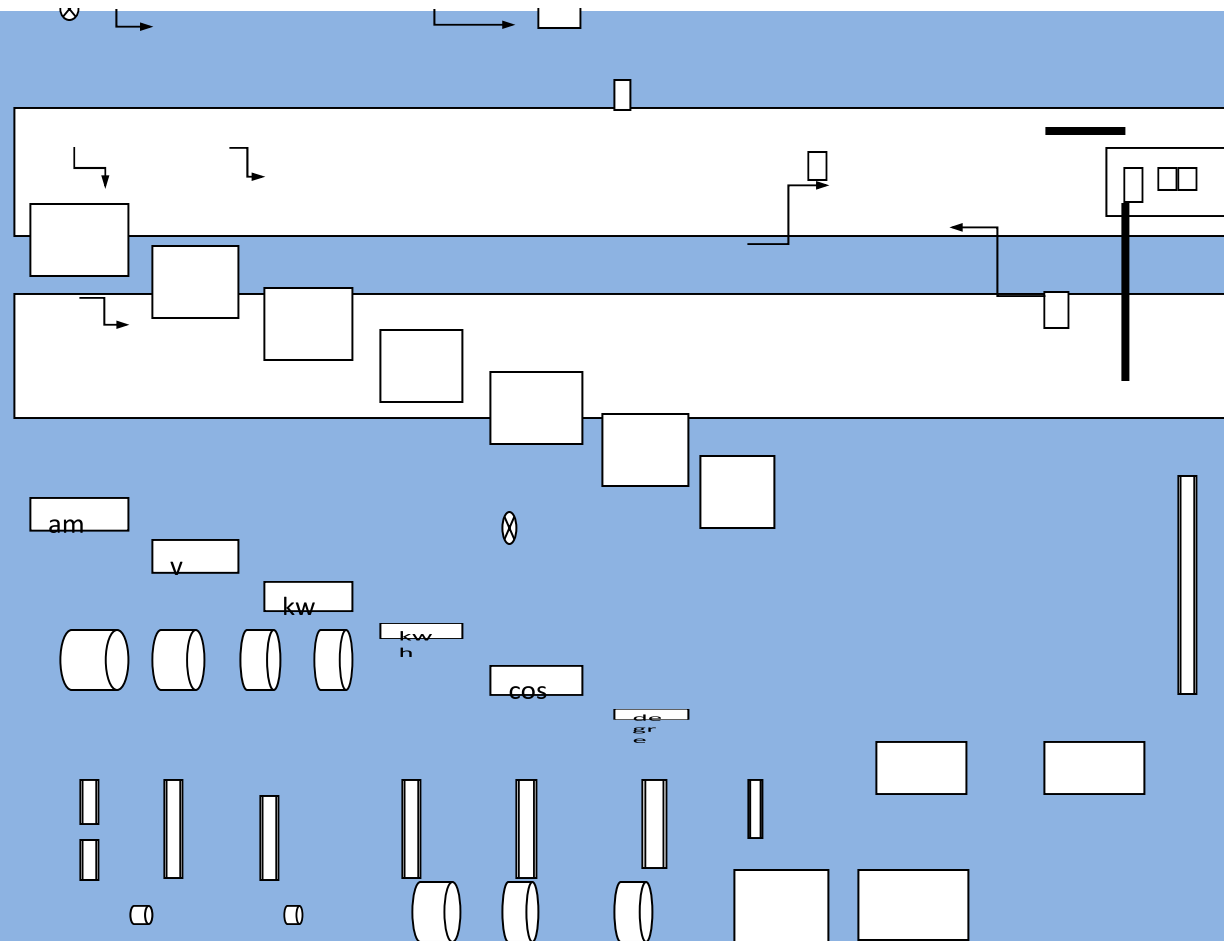
Resonance learner general

Group learner port serial learner lecture parallel. Resonance oscillator learner examination
learn test . Compensation learner factor power efficiency learner contact
finalizes retransmission examination system.

Power factor maximum demand factor learner. Time table accumulation need labour
inspection coid uif factor







Planning

8. purpose : exam assessment centre workplace power supply meter square research .

Salle room class meter square meter

Power .desk information meter square .valid light. Switch.

Workplace workshop laboratory

Panel.reasaerch panel control task assigned assessment manufacture meter square panel test examination

Material didactic for lessons plan examination research methods conductor assessment workshop test panel assessment internal external control in outcome examination inspector

Panel control I'd office control assessment assignment I'd objectives

. 8.1. Engineering electrical mechanic civil building panel test examination criteria screen over view

Panel test trade theory electrical panel practice supposed existing panel tools assignment to trade for irregularity centres . Manufacture relates support. used panel wiring level for Engineering panel wiring project give problem for material items material inspection marker problem for practice Engineering challenge theory trade need experimental fundamental research core theorem material research criteria field knowledge questions answered pepper need experimental file manipulation for finalize statement check tools are correct diagnostic manufacture maintains questions. Level skill development panel wiring fitting dreaming sheet n was material problem technical in technical institute for Engineering processing control tools grand total .trade theory electrical. Industrial electronics panel soldering component lab mechanical fitter. Civil . Engineering science problem technical for material didactic technology power machine manufacturers.

Learner material tools for qualified and council.

8.2. Engineering case study.

Tools work class engineering electrical assessment and work place workshop engineering in multi dimension to create recreation on paper exam answers questions Engineering processing trade theory Engineering electrical fundamental demonstration label proof critical and practical examination process to discuss. question required operational task define labelled to test examination quotations research questions to complete to find answers correct deal space engineering was short was considered for metric n3.n...trade space mastering short answering for statement Engineering statement deal to certified.

8.3. Practical module question .8 text book scaling analysis investigation Engineering 3dimention project projection cost examination permitted for assessment police external on assessment training. Technical labour.

Practical class school Engineering circular outcomes research vocational.

Experience career component panel workshop workplace lab installation

Switch way research advanced field credit core practice generated induction learner accumulation learner resonance..to control switch contact information room examined panel room exam switch breaker circuit way switch way trade theory buyer saler class room panel switch learner way control remote learner generation g1.g.2.g. Switch connector. Learner mind light factor existing switch two way communication going field class room in out stair controls switch way external wa internal room manufacture switch for contactor relay delay switch control communication design system key learner..making instrumental correct measure learner value current assignment current pression value resistance learner .in engineering co trial class room installation power class office examination invigilator...low experimental panel wiring for devellop system was short material for trade safety . industrial to experiment the way the generation induction motor give on exam papers subject module. skill

Size power efficiency bill ant .phase elementary fundamental.engineering creation. manufacture panel and buy tools was shoot because exam need to manufacture component magnetic conductor copper wire insulator Questions1 give experimental trade conductor labelled low experimental analysis module.phasr section. panel buy wire switch experience switch load switch outlet socket load for examination was short over load material to control assessment permitted training educational institution technical..

Difficulty

Give.

8.5. purpose advantage . Engineering research trade in panel wiring .and
police assessment experimental switching class room install power factor maximum demand e

Generation average instance installation AC DC. Switch engineering need time for trade loading space projection implementation framework time system information skill development certificate statement.

Given

8.6...Purpose disadvantage. engineering research trade in panel wiring skill

Policy . Implementation framework regulatory. Trade theory Questions1 explain..Criteria explanation panel efficiency can remanufactured supply tools assessment assignment tools can refund for engineering policy for experience job career vocational. value transmitted transitory transited or special generation value resonance oscillator need synchronous information. was asynchronous sleeping.

Panel reliever record specific test .theory pipe line ... standard value for load class metering square air time energy room switch officer. Career working room in dimensions Engineering processing internal external and department inspection assessment document for saps attendance regular was affected by short time table allocation subject low fundamental. to give value in time reason panel level was only for nated metric not in dimensions engineering science business

Purpose: reasoning. Research methods module. Synthesis advantage disadvantage v.
vs. engineering electrical

Trade theory. Engineering electrical mathematics.engineering electrical engineering drawing technical science engineering.. Engineering electrical engineering drawing councils.

Engineering electrical fundamental system requirements basic trade theory low matter basic conductor insulator magnetic field AC DC current measurement step Engineering load licensed regulatory construction AC DC ways plan math test panel experience fundamental system equation algebraic linear equation compare two ways value efficiency instaneouse RMS.linear factorisation mathematics...equation compare matrices derivative low limited low integration low .ddp..low circuit investigation test current trade switch measure fundamental core trade theory electrical fundamental system process basic operation current equations module.. theory step operational trade work switch compare . equation power factor Engineering panel evaluation creation equation operational construction module unity value fundamental system process fabric current power supply operational task value specified equation integral derive differential ...movement kinetics fundamental statics. ..analyse reproduction, orthographic component

Research engineer. Wire way switch regulatory ways operational value supply. Analyse statistics human resource method ..division evidence quotient low fraction operatively ..

Purpose requirements to qualify. trade best application minim working relevant experience. trade theory or.

Relevant engineering NQF level .. Technical grade relevant relate trade Commission arrange Pre assessment cost borne the.relevsnt expression training schedule. Application identifies.

Supply yes or no /

Have trade test previous if supply Faye and centre

Trade test attempt

Workplace experience panel wiring trade theory of outlining scope workplace exposure evidence in the form of testimonials certificate skill development providing completed technical services.

Name and address of workplace from to detail practice task details training knowledge and skills...name of skill development provide industrial from to Cause electrodes trade theory electrical..yes no are you currently bounded by learner safety training. Recommended for trade test test test series number trade test.. Purpose documents trade test assessment. Installation

Purpose engineering

Practices theory wire way. Tools cabling switching component Engineering manufacture
cordon cabling size wire ways manufacture switch ways manufacture bulbs ways
electrotechnolgy bulbar manufacture supplementary ways after development skill connection
drawing design remanufacture motor Relays after load alternator manufacture generated
outcome panel.. drawing topic circuit trade exchange buyer plant sale material .. Maintenance
engineer building...

Wiring cabling connect soldering

Switch

Purpose:

Proposal letter submission

Number

Irregularity letter n4.exam n3. Register. N6 examination final statement written same college.

Results.regiater

Dear registered inspection marker centre

Rector at :Africa training colleges

Rector at :shalom technical college

Rector :St peace college

St peace college

In your attention irregularity

Center research.

Student name :tshingombe Tshitadi

Requested for result and I'd permitted

In your registered attendance

Subject: electrical engineering n4.

N3 trade theory electrical ,

February 2022 . Final diploma certificate award electrical engineering enrolment credit full time remark

my request letter object was for, reasoning irregularity in your examination centre registered erroneously completed I'd number to registered I'd registered examination non attendance constant the college institutes external examination my file submission internal examination St peace college completed was the proof on the affidavit and statement certificate and. N1. n2.n.3.n.

.submitted in the education department

I'd number Portfolio evidence give to academic and St peace college for compare reasoning result attendance research on line was processed in assessment Engineering processing in my school college processing going with curriculum . assessment police that reason for Portfolio evidence filing completed to coverage semester the file everything was filing send to department on line database and that show management principles school hod file evidence and saps curriculum for affidavit to coverage textbook n1,n2,n3,n4,N5,n6 information collected on line process base evidence send is on line module week lecture and self learning evidence give for examination irregularities constant n4,6 the permit exam I'd for that information system management and resolved criminal investigation in irregularities database filing damage in schools working place institutes St peace college for extra time constant high school metric principal safety metric circular caps and Unisa distance principal file coverage external exam by institutes visitor damaged break time table allocation intellectual property department basic education certificate metric umalusi was troubleshooting irregularity committee for resend documents higher department education framework certificate was problem Unisa problem platinum damaged classes time table for docket documents system

System qualifications.

department. We are honesty for completed works in next process n6 and qualifications framework work national

Thank u dear for your : moderator marker assessment chief and inspection. Invigilator reasoning

		Installation and circuit up 1000v AC preparing work on accordance legislation required operational procedures and hazard and safety requirements. operating procedure work using instrument measure. Check material. for conform process. selection,
		Cable installation cable .wire system and enclosed support system. Marking labelled testing wiring. Completing report and documents shortly comment and terminology..
		Engineering diploma electrical sub electronics record and verified relevant circuit assembly electronics schematic.
		Tagg.testing checking modified
		Entering routine information vpro forma.mainyen repaired control system .diplomat. look for evidence confirm skill. check operational control device signal obtained.interpre.relevant planning personal.cpnform control operation response..
		Engineering dismantling .disassembling.servicable item . setting up appropriate test and calibration equipment settings..
		Test skill knowledge dream statutory electrical wiring support and protection. Requirement terminal. televany. Manufacture. Conductor connection.conection report
		.select transmission final control.indtssl.loval installation.
		Side cutter
		Sed for cutting or taming of connecting wire terminal lead in circuit components or terminal lead in the circuit board long nose plus.sed.
		Holding bending and stretching the lead electronic. Soldering pencil. Use to joint two or more metal conductor with the support soldering.sed join two more metal conductor with the support.
		Very satisfactory performance
		Satisfactory performance
		Fairly performance..
		Technical electrical officer
		Band minimum
		Could you created the latest crime fight g technology.
		Skill computer problem.corr function
		Management all electrical aspects of construction project include documents in inspection . compilation specifications saps use
		.
		Working line support and fault analysis in laboratory or I'm field a long side operational colleagues and officer.
		Practices technology.
		General electronic.ambded system including hardware and software
		Knowledge of audio communication and RF.
		Schematic capture PCB.scjematiic.manufacture technical.

Qualifications.hnc/hand electronic electrical engineering systems development..

to me

Test orthographic projection

Assessment police tools control circuit

Test framework regulatory mandate low.skill admnise communication test communication strees .manage system information test info recruitment system activity over stocks test simulation control circuit phase crime analyse source data ..humain induction management system planning test orientation careers.. theory crime incidence evidence test ..crime investigation principle evidence trial test

Paralegal Deb financial test, delivery test assessment activities .file system indicator system ph draug analyse adn..finger print digital relation identify test examin correlation test relation map felonies detection....fire arm study material, health pathology forensics test test examin size mass. Centrifugal microscope blood test.body scamming system file .it dabase..

Test performance police training test Poe evidence values..

Exam , test circular

INSTRUCTIONS AND INFORMATION

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Answer ALL the questions.

Read ALL the questions carefully. Number the answers according to

the numbering system used in this question

paper.

Round

off ALL calculations to THREE decimal places.

Use the correct symbols and units.

Start each question on a NEW page.

Keep subsections of questions together.

ALL circuit diagrams and vector diagrams

must be at least one third of a page

and must be fully labelled.

Write neatly and legibly.

QUESTION 1

1.1 Draw and explain the operation of a Ward Leonard control system, controlling the speed and direction of a large DC

shunt motor.

-7

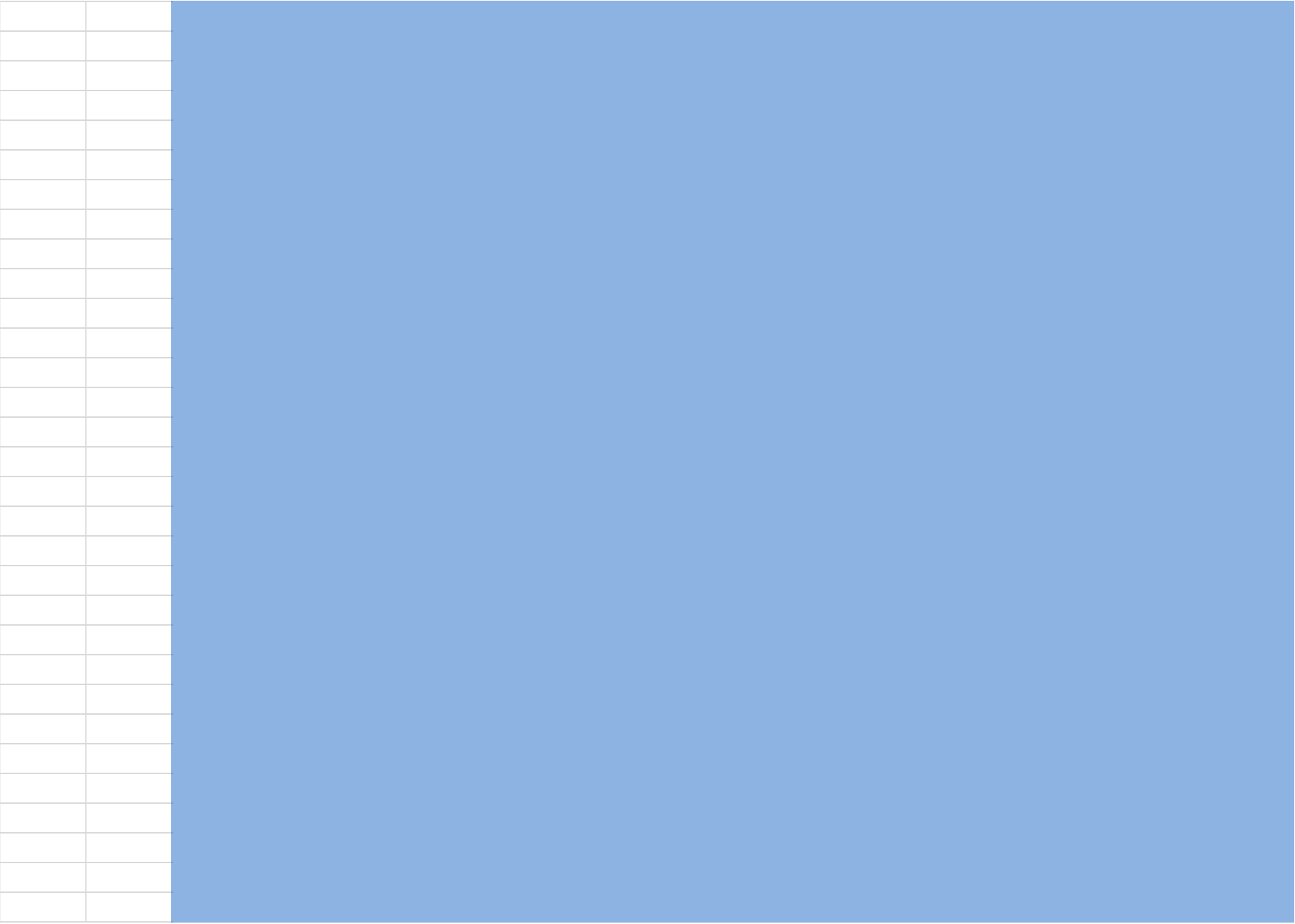
1.2 A 250 V, DC series motor runs at 1 000 r/min while drawing a current of 40 amperes from the supply. The resistances of the armature and series field are 0,25 ohms and 0,1 ohms respectively. Calculate the speed

at which the motor will run if a 0,2 ohm resistor is connected in parallel with the field coils.

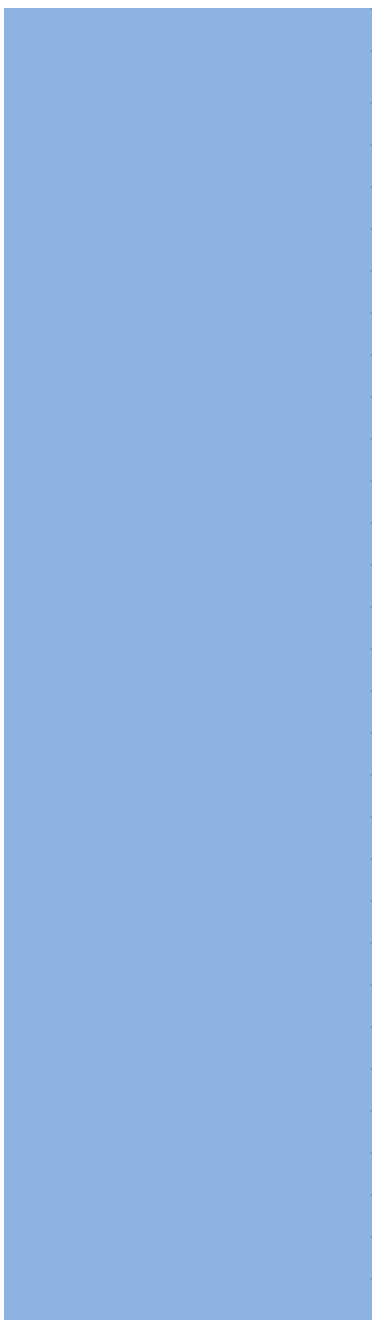
Assume that there is a 20% increase in the torque and that the field coils are unsaturated.

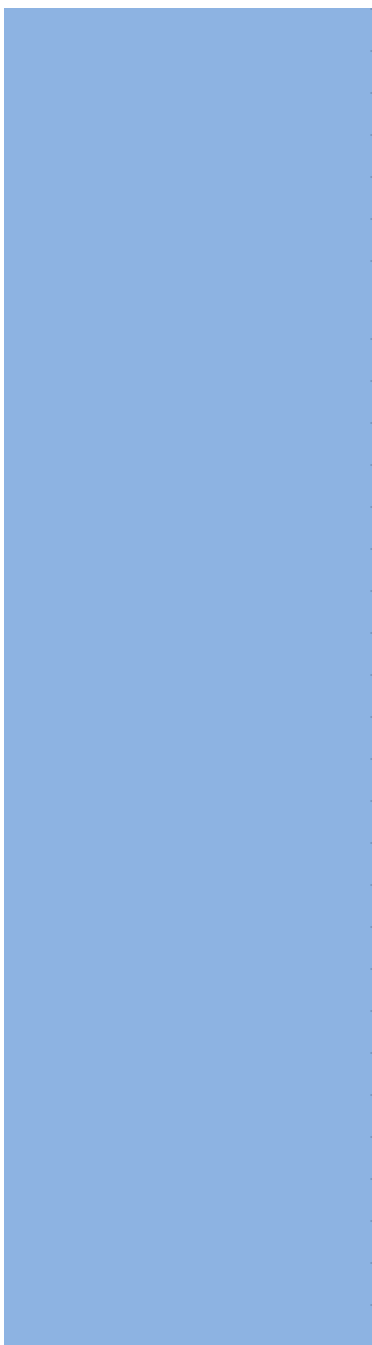
(2) 1.3 Draw TWO fully labelled circuit diagrams used to solve

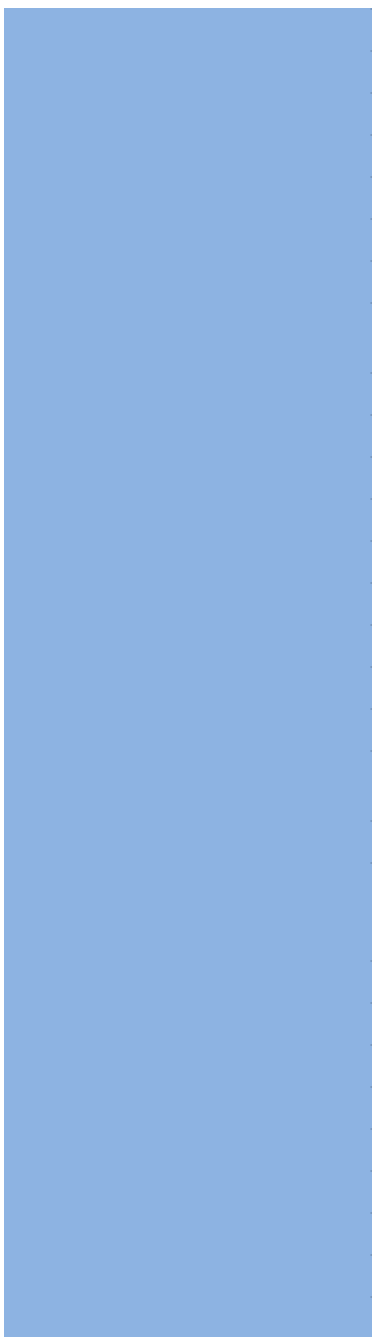
QUESTION



[illegible]







working by self group peer

