

त्रि.वि. सेवा आयोग

प्रशासन सेवा, प्रविधिक समूहका सहायक स्तरका विभिन्न पदहरूको

प्रयोगात्मक परीक्षाको पाठ्यक्रम

क्र.सं.	पद	समूह	तह/श्रेणी
१.	मुख्य प्राविधिक सहायक (सूचना प्रविधि)	प्राविधिक	सहायक प्रथम
२.	मुख्य प्राविधिक सहायक (इलेक्ट्रिसिटी)	प्राविधिक	सहायक प्रथम
३.	मुख्य प्राविधिक सहायक (इन्जिनियरिङ्ग)	प्राविधिक	सहायक प्रथम
४.	मुख्य प्राविधिक सहायक (प्याथोलोजी)	प्राविधिक	सहायक प्रथम
५.	मुख्य प्राविधिक सहायक (मेकानिकल)	प्राविधिक	सहायक प्रथम
६.	मुख्य स्वास्थ्य सहायक (बायोमेडिकल इन्जिनियरिङ्ग)	प्राविधिक	सहायक प्रथम
७.	प्राविधिक सहायक (सूचना प्रविधि)	प्राविधिक	सहायक द्वितीय
८.	प्राविधिक सहायक (इलेक्ट्रिसिटी)	प्राविधिक	सहायक द्वितीय
९.	प्राविधिक सहायक (इन्जिनियरिङ्ग)	प्राविधिक	सहायक द्वितीय
१०.	प्राविधिक सहायक (प्रयोगशाला)	प्राविधिक	सहायक द्वितीय
११.	प्राविधिक सहायक (अक्सिजन प्लाण्ट)	प्राविधिक	सहायक द्वितीय
१२.	प्राविधिक सहायक (प्लम्बिङ्ग)	प्राविधिक	सहायक द्वितीय
१३.	प्राविधिक सहायक (मेकानिकल वेल्डर)	प्राविधिक	सहायक द्वितीय
१४.	प्राविधिक सहायक (मेकानिकल)	प्राविधिक	सहायक द्वितीय
१५.	प्राविधिक सहायक (लिफ्ट)	प्राविधिक	सहायक द्वितीय

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य प्राविधिक सहायक (सूचना प्रविधि)

समूह : प्राविधिक

तह/श्रेणी : सहायक प्रथम

Technical Head Assistant (IT) मुख्य प्राविधिक सहायक (सूचना प्रविधि):

Second Paper ⇒ Practical Test

Full Marks: 30

Pass Mark: 15

Time: 1 hr.

S.N.	Topics	No. of question	Marks	Remarks
1.	PC configuration, Assembly and disassembly of a computer, Installation of OS, Application programs setup / removal, Troubleshooting, repair and maintenance of a computer	1	5	
2.	Setup a local printer/network printer and troubleshooting, Basic troubleshooting of a network/Internet connection, E-mail, Online meeting/class hosting	1	5	
3.	DBMS (DDL, DML, SQL)	1	5	
4.	English and Nepali Typing	2	3+3	5 minutes for each typing separately
5.	Word Processor	1	4	
6.	Spread Sheet	1	3	
7.	Power point (presentation)	1	2	
Total		8	30	

English and Nepali Typing

Focuses on Typing Skill for English and Nepali texts.

- ❖ **English:** There will be a passage in English containing around 100 words. Candidates need to type it correctly within the given time. Candidates are free to use any suitable font.
- ❖ **Nepali:** There will be a passage in Nepali language containing around 100 words. Candidates need to type it correctly within the given time. Candidates are free to use Nepali Unicode or any other traditional font for Devanagari script.

Note: The depth of each topic is based on the curriculum specified for the **first paper**.

Evaluation scheme of English and Nepali Typing (for 3+3 marks) for the post of मुख्य प्राविधिक

सहायक (सूचना प्रविधि) :

Nepali Typing (Devanagari Script)

Number of Correct Words	Marks
Less than 10	0
11 to 20	0.25
21 to 30	0.5
31 to 40	1
41 to 50	1.5
51 to 60	2
61 to 70	2.5
Higher than 70	3

English Typing

Number of Correct Words	Marks
Less than 20	0
21 to 30	0.25
31 to 40	0.5
41 to 50	1
51 to 60	1.5
61 to 70	2
71 to 80	2.5
Higher than 80	3

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य प्राविधिक सहायक (इलेक्ट्रिसिटी) समूह : प्राविधिक तह/श्रेणी : सहायक प्रथम
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५ समय : १ घण्टा

Objective: To perform fundamental electrical engineering experiments involving electrical circuits, electrical machines, measurement and instrumentation, wiring practices, motor control, and protection systems, and to interpret the obtained results.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	<ul style="list-style-type: none">Measurement of voltage, current, and power in a DC circuit; identification of meter scale and range settingsVerification of Ohm's LawVerification of Kirchhoff's Voltage Law (KVL) and Kirchhoff's Current Law (KCL)Measurement of three-phase power using the two-wattmeter method	1	5
2.	<ul style="list-style-type: none">Perform turn ratio test of two winding transformerPerform open circuit and short circuit test of two winding transformer	1	5
3.	<ul style="list-style-type: none">Perform open circuit and load characteristics of dc shunt generatorPerform speed control of dc shunt motor using armature control method	1	5
4.	<ul style="list-style-type: none">Control of lamps using a simple switchControl of lamps using an alternate (two-way) switchPerform continuity test, polarity test, insulation resistance test, installation test, and earth resistance testMeasurement of earth resistance using an earth tester	1	5
5.	<ul style="list-style-type: none">Control of single-phase and three-phase motors using a DOL starterForward and reverse operation of a three-phase motor using a contactorStarting of a three-phase motor using a star-delta starter	1	5
6.	<ul style="list-style-type: none">Draw the magnetizing curve of a protective CT and determine the knee-point voltageMeasure soil resistivity	1	5
Total		6	30

Evaluation Criteria:

1. Drawing of the electrical circuit/connection diagram- 5 marks
2. Proper connection and safe operation of the experiment-10 marks
3. Recording of observations and necessary calculations-10 marks
4. Interpretation of results and viva voce-5 marks

त्रिभुवन विश्वविद्यालय
सेवा आयोग
प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य प्राविधिक सहायक (इन्जिनियरिङ)
पूर्णाङ्क : ३०

उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक प्रथम

Objective: The objective of this practical examination for the post is to evaluate the candidate's ability to supervise site works with responsibility and precision. The test ensures the candidate can move seamlessly between instrumentation, systematic technical logic, and structural safety to ensure project construction quality.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Set up a Theodolite or Total Station over a given station point, Read the upper, middle, and lower hairs on a leveling staff, Calculate the horizontal distance and vertical height difference on the spot,	1	5
2.	Using a tape and string, set out the corners of a building, quantity and cost estimates	1	5
3.	Given a diagram of a pipe network with varying diameters, identify where the head loss will be highest, Read a U-tube manometer and calculate the pressure difference	1	5
4.	Perform a field test to determine soil plasticity, Impact of the Optimum Moisture Content (OMC) for road sub-grade	1	5
5.	Identify the correct spacing of Stirrups/Ties in beams/columns and joints, requirement of re-bar hooks	1	5
6.	Draw a quick sketch of the Bending Moment Diagram/Shear Force Diagram for a simple beam with a point load. Identify where the "tension" side is to place reinforcement	1	5
Total		6	30

Evaluation Criteria:

- 1.Tools/Equipment Handling
2. Correct interpretation of Drawings
3. Measurement Accuracy
4. Estimation Accuracy
5. Speed & Efficiency

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य प्राविधिक सहायक (प्याथोलोजी) समूह : प्राविधिक तह/श्रेणी : सहायक प्रथम
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५ समय : १ घण्टा
Objective: Manage daily routine, procedures, maintaining quality performance, assisting head officer.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Illustrate the examples of Force, Motion, and State of Motion and Newtons law of Gravity.	1	5
2.	Lenses: Estimation of focal length, optical center, principal axis, radius of curvature, ray diagram, real vs virtual images, upright vs inverted image etc.	1	5
3.	Periodic table and properties of elements.	1	5
4.	Instrument setup for the laboratory method of preparation of H ₂ , CO ₂ and NH ₃ .	1	5
5.	Classify these specimen up to class.	1	5
6.	Draw diagram for Functioning of heart, Kidney, lungs etc.	1	5
Total		6	30

त्रिभुवन विश्वविद्यालय
सेवा आयोग
प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य प्राविधिक सहायक (मेकानिकल)
पूर्णाङ्क : ३०

उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक प्रथम

Objective: To assess skill of a head technical assistant mechanical.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Experments related to thermodynamics lab (Any one from: temperature measurement, first law or second law)	1	10
2.	Experments related to fluid mechanics lab (Any one from: fluid properties, stability of floating bodies, center of pressure or flow measurement)	1	10
3.	Fabricate a given work piece by any one machining operation (lathe, shaper or milling)	1	10
Total		5	30

Evaluation Criteria:

For 1 and 2

Set up ready:	[2]
Experiment:	[4]
Obesrvation table:	[1]
Calculation:	[2]
Conclusion:	[1]

For 3

Set up ready:	[1.5]
Use of safety equipment:	[1.5]
Fabrication:	[4]
Post operation:	[1.5]
Quality of piece/dimension:	[1.5]

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : मुख्य स्वास्थ्य सहायक (बायोमेडिकल इन्जिनियरिङ) समूह : स्वास्थ्य तह/श्रेणी : सहायक प्रथम
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५ समय : १ घण्टा

1. Introduction to Electrical/Electronics and Workshop Technology (10 Marks)

- 1.1 Use of digital multimeter to measure, eg. voltage, resistance, continuity
- 1.2 Identification of basic electrical components, eg. resistor, capacitor, fuse, switch, power cord
- 1.3 Identification of common workshop tools, eg. screwdriver, spanner, pliers, wire stripper, soldering iron
- 1.4 Basic demonstration of proper tools use
- 1.5 Basic safety practices in workshop

2. Introduction to Biomedical Instrumentation and Clinical Working Environment (10 Marks)

- 2.1 Identification of common hospital equipment, eg. patient monitor, pulse oximeter, ECG machine, infusion pump (demo/picture if any)
- 2.2 Switching ON/OFF and observing basic display
- 2.3 Identification of probes or sensors, hospital safety signs or areas, eg. ICU / OT / general ward
- 2.4 Basic electrical safety near patients
- 2.5 Awareness of infection control, eg. hand hygiene/PPE use (demonstration or explanation if any)

3 Repair & Maintenance of Biomedical Equipment (10 Marks)

- 3.1 Visual inspection of equipment, eg. checking cables, plugs, and switches
- 3.2 Identification of simple faults (simulated), eg. loose connection, power status, damaged cable
- 3.3 Demonstration of basic preventive care, eg. cleaning exterior, proper storage
- 3.4 Filling a simple maintenance log sheet, eg. equipment name, problem observed, action taken, date & signature
- 3.5 Writing a short service note (2–3 sentences)

Tentative Practical Marks Distribution Summary

Area	Marks
Introduction to Electrical/Electronics and Workshop Technology	10
Introduction to Biomedical Instrumentation and Clinical Working Environment	10
Repair & Maintenance of Biomedical Equipment	10
Total	30 Marks

*There maybe minor deviation in the marks allocated

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (सूचना प्रविधि)

समूह : प्राविधिक

तह/श्रेणी : सहायक द्वितीय

Technical Assistant (IT) प्राविधिक सहायक (सूचना प्रविधि):

Second Paper ⇒ Practical Test

Full Marks: 30

Pass Mark: 15

Time: 1 hr.

S.N.	Topics	No. of question	Marks	Remarks
1.	PC configuration, Installation of OS, Application programs setup and removal, Setup a local printer/network printer	1	6	
2.	Basic troubleshooting of a network and Internet connection, E-mail, Hosting an online meeting or class	1	6	
3.	English and Nepali Typing	2	3+3	5 minutes for each typing separately
4.	Word Processor	1	6	
5.	Spread Sheet	1	4	
6.	Presentation	1	2	
Total		7	30	

English and Nepali Typing

Focuses on Typing Skill for English and Nepali texts.

- ❖ **English:** There will be a passage in English containing around 100 words. Candidates need to type it correctly within the given time. Candidates are free to use any suitable font.
- ❖ **Nepali:** There will be a passage in Nepali language containing around 100 words. Candidates need to type it correctly within the given time. Candidates are free to use Nepali Unicode or any other traditional font for Devanagari script.

Note: The depth of each topic is based on the curriculum specified for the **first paper**.

Evaluation scheme of English and Nepali Typing (for 3+3 marks) for the post of प्राविधिक सहायक

(सूचना प्रविधि):

Nepali Typing (Devanagari Script)

Number of Correct Words	Marks
Less than 10	0
11 to 20	0.25
21 to 30	0.5
31 to 40	1
41 to 50	1.5
51 to 60	2
61 to 70	2.5
Higher than 70	3

English Typing

Number of Correct Words	Marks
Less than 20	0
21 to 30	0.25
31 to 40	0.5
41 to 50	1
51 to 60	1.5
61 to 70	2
71 to 80	2.5
Higher than 80	3

त्रिभुवन विश्वविद्यालय
सेवा आयोग
प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (इलेक्ट्रिसिटी)
पूर्णाङ्क : ३०

उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: To assess the practical skills in electrical measurement, wiring installation, testing, motor control, protection devices, and operation of basic electrical equipment used in electrical engineering practice.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	<ul style="list-style-type: none"> • Identify meter scale and range settings and measure the resistance • Measurement of voltage, current in a DC circuit • Verification of Ohm's Law • Verification of Kirchoff's Current Law (KCL) 	1	5
2.	<ul style="list-style-type: none"> • Perform electrical wiring on a brick wall/or board (surface wiring) • Install and connect: Main switch, Distribution Board (DB), kWh meter, fan with regulator/dimmer • Perform basic circuit tests: open circuit, closed circuit, and short circuit 	1	5
3.	<ul style="list-style-type: none"> • Draw motor control circuit diagrams for: <ul style="list-style-type: none"> ○ Direct-On-Line (DOL) starter ○ Star-Delta starter ○ Forward and reverse control ○ Two-point control system 	1	5
4.	<ul style="list-style-type: none"> • To operate single-phase and three-phase motors using a DOL starter • To operate forward and reverse operation of a three-phase motor using a contactor • To perform starting of a three-phase motor using a star-delta starter 	1	5
5.	<ul style="list-style-type: none"> • Operation of isolating switches and protection devices (MCB) • Measurement of three-phase power using the two-wattmeter method 	1	5
6.	<ul style="list-style-type: none"> • Basic testing of electrical installations (continuity test, insulation resistance test, polarity test) • Demonstration and basic operation of testing instruments: multimeter, clamp meter, Megger, and earth tester • Basic transformer tests: polarity test and turn ratio identification 	1	5
Total		6	30

Evaluation Criteria:

1. Circuit diagram / wiring layout – 5 marks
2. Correct connection and safety practices – 10 marks
3. Observation and testing procedure – 10 marks
4. Result interpretation and viva voce – 5 marks

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (इन्जिनियरिङ)
पूर्णाङ्क : ३०

उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: The objective of this practical examination for the post is to verify the candidate's ability to perform essential field tasks with speed, accuracy, and safety. This test shifts the focus from technical knowledge to manual competency, ensuring the technician can serve as a reliable person for the site supervision.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identify soil types (Sand, Silt, Clay) and aggregate sizes, Identify "bulking of sand" , Perform a slump test, Identify re-bar grades and measure diameter/spacing on a provided slab/beam section or drawing	1	5
2.	Setting out building layouts, basic estimates	1	5
3.	Set up a level, perform temporary adjustments (leveling the bubble), and take a Backsight (BS) and Foresight (FS) reading on a leveling staff, Center and level a theodolite over a station point, Quickly calculate the Reduced Level (RL) of a point.	1	5
4.	Read a structural RCC drawing (Beam/Column section), Identify the number of main bars, stirrup spacing, and clear cover, development length; Draw a standard hook for a reinforcement bar	1	5
5.	Perform a field identification test to categorize a soil sample	1	5
6.	Use of Personal Protective Equipment (PPE), Tools and Equipment Safety	1	5
Total		6	30

Evaluation Criteria:

1. Tools/Equipment Handling
2. Correct interpretation of Drawings
3. Measurement Accuracy
4. Safety & PPE
5. Speed & Efficiency

त्रिभुवन विश्वविद्यालय
सेवा आयोग

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (प्रयोगशाला)
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: Assist scientists in routine tasks, handling specimens, preparing experiments, and maintaining equipment and safety.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Hazards chemicals and its storage.	1	5
2.	Write the name and function of the equipment: voltmeter, ammeter, galvanometer, calorimeter, barometer, vernier calipers, pH meter, stalagmometer, Setup clamp, condenser etc	1	5
3.	Disposal of laboratory clean-up materials and tools: Glass, bottles, plastic equipment, Iron equipment, thermometers etc	1	5
4.	Demonstrate the operation of laboratory safety equipment.	1	5
5.	List the errors that may be caused by unclean glassware.	1	5
6.	Oversees unpacking of supplies, Keeps the Lab officer informed, Prepare for Emergencies.	1	5
Total		6	30

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (अक्सिजन प्लान्ट) समूह : प्राविधिक
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५ समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: To assess skill of a technical assistant (Oxygen Plant).

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identification of personal safety, hand tools and measuring equipment	1	5
2.	Basic components of an Oxygen Plant	1	5
3.	Diagnose the faulty Oxygen Plant and repair it	1	10
4.	Diagnose the faulty ventilator and repair it	1	10
Total		5	30

Evaluation Criteria:

1. Provide any five personal safety equipment, hand tools and measuring instruments and ask for name and function. [1×5]
2. Ask to sketch basic components of an oxygen plant and explain the function of each components. [1×5]
3. Ask to repair oxygen Plant with any common problem. [10]
4. Ask to repair ventilator with any common problem. [10]

त्रिभुवन विश्वविद्यालय

सेवा आयोग

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (प्लम्बिङ)

समूह : प्राविधिक

तह/श्रेणी : सहायक द्वितीय

पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५

समय : १ घण्टा

Objective: The objective of this practical examination is to evaluate the candidate's technical proficiency, manual dexterity, and safety consciousness in a work environment. This test ensures the candidate can transit from understanding a concept to executing a leak-proof installation while minimizing material waste.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identify/handle basic tools and equipment, Enumerate/identify plumbing symbols	1	5
2.	Interpret working drawing/blueprint/catalogs	1	5
3.	Measure pipe outer/inner diameters, Estimation of sanitary and plumbing work and materials	1	5
4.	Pipe fittings fabrication, Joining elbow/Tee/union/cross/plug with pipe, Joining valves (sluice valve/gate valve/air valve/pressure relief valve/check valve/glove valve) with pipe	1	5
5.	Install sanitary fittings (bent/Tee/Y/socket) with pipe, Join PVC fittings with pipe	1	5
6.	Use of Personal Protective Equipment (PPE), Tools and Equipment Safety, Fire Safety	1	5
Total		6	30

Evaluation Criteria:

2. Tool Handling
2. Joint Integrity
3. Measurement Accuracy
4. Safety & PPE
5. Speed & Efficiency

त्रिभुवन विश्वविद्यालय
सेवा आयोग
प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (मेकानिकल वेल्डर) समूह : प्राविधिक
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५ समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: To assess skill of a mechanical welder.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identification of personal safety equipment	1	5
2.	Identification of hand tools and measuring instruments	1	5
3.	Identification of accessories and tools of arc welding	1	5
4.	Identification of accessories and tools of gas welding	1	5
5.	Make a butt joint of from the given two work pieces by arc or gas welding	1	10
Total		5	30

Evaluation Criteria:

1. Provide any five personal safety equipment and ask for name and function. [1×5]
2. Provide any five hand tools and measuring instruments and ask for name and function. [1×5]
3. Provide any five accessories and tools of arc welding and ask for name and function. [1×5]
4. Provide any five accessories and tools of gas welding and ask for name and function. [1×5]
5. Provide complete setup for the arc or gas welding. Ask to make a butt joint, lap or T-joint of from the given two work pieces.
Set up ready: [1.5]
Use of safety equipment: [1.5]
Welding operation: [4]
Post operation: [1.5]
Quality of weld: [1.5]

त्रिभुवन विश्वविद्यालय
सेवा आयोग
प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (मेकानिकल)
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: To assess skill of a technical assistant mechanical.

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identification of hand tools and measuring instruments	1	5
2.	Identification of parts of a vehicle	1	5
3.	Fabricate a given work piece by any one machining operation (lathe, shaper or milling)	1	10
4.	Fabricate a given work piece by any one machining operation (grinding or drilling)	1	10
Total		5	30

Evaluation Criteria:

1. Provide any five hand tools and measuring instruments and ask for name and function. [1×5]
2. Ask for name and function of any five parts/components of a petrol or diesel vehicle. [1×5]
3. Ask to a fabricate a piece from a lathe or shaper or milling machine. [10]
 - Set up ready: [1.5]
 - Use of safety equipment: [1.5]
 - Fabrication: [4]
 - Post operation: [1.5]
 - Quality of piece/dimension: [1.5]
4. Ask to a fabricate a piece or finish surface from a grinding or drilling machine. [10]
 - Set up ready: [1.5]
 - Use of safety equipment: [1.5]
 - Operation: [4]
 - Post operation: [1.5]
 - Quality of piece/dimension: [1.5]

प्रयोगात्मक परीक्षाको पाठ्यक्रम

पद : प्राविधिक सहायक (लिफ्ट)
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५

समूह : प्राविधिक
समय : १ घण्टा

तह/श्रेणी : सहायक द्वितीय

Objective: To assess skill of a technical assistant (Lift).

Specification Chart

S.No.	Course Content (Activities)	No.of Question	Marks
1.	Identification of personal safety, hand tools and measuring equipment	1	5
2.	Basic components of lifting system	1	5
3.	Make a butt joint of from the given two work pieces by arc or gas welding	1	10
4.	Diagnose the faulty lift system and repair it	1	10
Total		5	30

Evaluation Criteria:

1. Provide any five personal safety equipment, hand tools and measuring instruments and ask for name and function. [1×5]
2. Ask to sketch basic components of a lift and explain the function of each components. [1×5]
3. Provide complete setup for the arc or gas welding. Ask to make a butt joint, lap or T-joint of from the given two work pieces.
Set up ready: [1.5]
Use of safety equipment: [1.5]
Welding operation: [4]
Post operation: [1.5]
Quality of weld: [1.5]
4. Ask to repair lift with any common problem. [10]