



2012

MAINTENANCE & REPAIR ASSESSMENTS

Gold Winner

## ELECTEST



**RR47-C or OL47**

**RR47-M Administration Manual**

Used for selection of electrical repair and maintenance candidates who have knowledge or experience in Motors; Digital and Analog Electronics; Schematics, Print Reading and Control Circuits; Basic AC/DC Theory and Electrical Maintenance; Computers & PLC and Test Instruments; Power Supplies; Power Distribution and Construction & Installation; and Mechanical and Hand & Power Tools.

This test contains 60 items in a multiple-choice format. In a group of 520 maintenance employees, reliability was .88 with a mean score of 34.73, a standard deviation of 9.82, and a standard error of measurement of 3.40.

Test performance was significantly related to job performance rating by supervisors (.01 level of significance).

**Sample Question:**

A dual element fuse is used to

- A. operate at higher voltage.
- B. operate at higher current.
- C. operate with a temporary overload.
- D. protect the transistor.

*Spanish and alternate form available  
Price Code 1*

## MECTEST



**RR16-C or OL16**

**RR16-M Administration Manual**

Used for selection of repair and maintenance candidates who have knowledge or experience in Hydraulics & Pneumatics; Print Reading; Welding & Rigging; Power Transmission; Lubrication; Pumps & Piping; Mechanical Maintenance; and Shop Machines, Tools & Equipment.

This test contains 60 items in a multiple-choice format. In a group of 1885 applicants and employed mechanics, reliability was .88 with a mean score of 40.70, a standard deviation of 9.35, and a standard error of measurement of 3.24.

Test performance was significantly related to job performance rating by supervisors (.01 level of significance).

**Sample Question:**

Peak hydraulic system demands may be met by the use of

- A. an accumulator.
- B. a dual system.
- C. a large reservoir.
- D. an oversize pump.

*Spanish and alternate form available  
Price Code 1*

## MAINTEST

**RR29A or OL29A**

A 2 1/2-hour test measures the PRACTICAL mechanical and electrical job knowledge of maintenance employees. **Scored by Ramsay Corporation with test results reported online.** Measures

strengths and weaknesses in 21 areas: Hydraulics; Pneumatics; Welding; Power Transmission; Lubrication; Pumps; Piping; Rigging; Mechanical Maintenance; Shop Machines, Tools & Equipment; Combustion; Motors; Digital Electronics; Schematics & Print Reading; Control Circuits; Power Supplies; Basic AC/DC Theory; Power Distribution; Test Instruments; Computers & PLC; and Electrical Maintenance.

The test has been used for managers and hourly workers and is supported by criterion-related and content validation.

Percentile ranks are provided for each area and for the total test so you can compare scores among your workers and against a national sample of more than 11,000 maintenance workers.

*Spanish and alternate forms available*

**10 - 19 tests: \$65.00 per test administration**  
**20 - 99 tests: 45.00 per test administration**  
**100+ tests: 35.00 per test administration**



## ELECTRICAL APTITUDE TEST



**RR111-C or OL111**

**RR111-M Administration Manual**

Developed as a quick evaluation of a person's electrical aptitude in the areas of Mathematics, Electrical Concepts, Process Flow, Signal Flow, Electrical Schematics, and Electrical Sequences.

This test contains 36 items in a multiple-choice format. In a group of 575 applicants, reliability was .90 with a mean score of 26.40, a standard deviation of 6.70, and standard error of measurement of 2.12. Correlates at .47 with electrical job knowledge. In a sample of 97 technical school trainees, test scores correlated with GPA at .41.

*Spanish and alternate form available  
Price Code 1*

## MECHANICAL APTITUDE TEST

**RR110-C or OL110**

**RR110-M Administration Manual**

Developed as a quick evaluation of a person's mechanical aptitude in the areas of Home Settings, The Workplace, School Science and Physics, and Hand and Power Tools.

This test contains 36 items in a multiple-choice format. In a group of 1388 applicants, reliability was .81 with a mean score of 26.60, a standard deviation of 5.38, and standard error of measurement of 2.35. Correlates at .48 with a test of mechanical job knowledge. In a sample of 159 technical school trainees, test scores correlated with GPA at .40.

*Spanish and alternate form available  
Price Code 1*

## MULTI-CRAFT APTITUDE TEST



**RR121-C or OL121**

**RR121-M Administration Manual**

Developed as a quick evaluation of a person's mechanical and electrical aptitude, this test measures the same constructs as the mechanical and electrical aptitude tests, but may be used for assessment of applicants who require aptitude in both areas.

This test contains 40 items in a multiple-choice format. After testing 1150 applicants, the test was revised in 2008. Current data for a group of 127 applicants has reliability of .85 with a mean score of 27.99, a standard deviation of 6.65, and a standard error of measurement of 2.56.

*Spanish and alternate form available  
Price Code 1*

## PRICING FOR ONLINE AND PAPER TESTS

	Online Tests		Paper Tests	
	20-99	100+	20-99	100+
Price Code 1	\$25.00	\$23.00	\$23.00	\$20.00
Administration Manual	No Charge	No Charge	\$24.95	\$24.95

# SELECTION OF TECHNICIANS

## MAINTENANCE ELECTRICIAN A OR B

REVISED IN 2008

**Maintenance Electrician A**  
RR33A-C or OL33A  
RR33A-M Administration Manual

**Maintenance Electrician B**  
RR33B-C or OL33B  
RR33B-M Administration Manual

For use in selecting manufacturing or processing maintenance candidates who have knowledge in the following areas: Motors; Digital Electronics; Analog Electronics; Schematics & Print Reading; Control Circuits; Power Supplies; AC/DC Theory; Power Distribution; Test Instruments; Mechanical Maintenance; Computer & PLC; Hand & Power Tools; Electrical Maintenance; and Construction & Installation.

*Maintenance Electrician A* contains 60 items. In a sample of 136 applicants and incumbents, reliability was .87 with a mean score of 27.60, a standard deviation of 9.32, and a standard error of measurement of 3.36.

*Maintenance Electrician B* contains 60 items. In a sample of 34 applicants, reliability was .88 with a mean score of 30.62, a standard deviation of 10.10, and a standard error of measurement of 3.50.

NOTE: *Maintenance Electrician B* is more difficult than our *ElecTest* and *Maintenance Electrician A* is more difficult than *Maintenance Electrician B*.

### Sample Question:

When an alternating voltage is applied to a purely resistive circuit, the

- voltage lags the current.
- voltage leads the current.
- current leads the voltage.
- current is in phase with the voltage.

Alternate form available  
Price Code 1

## ELECTROTEST

REVISED IN 2010

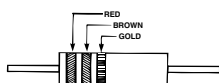
RR7-C or OL7  
RR7-M Administration Manual

For use in selecting manufacturing or processing maintenance candidates who have knowledge in the following areas: Digital & Analog Electronics; AC/DC Theory; Schematics & Print Reading; Power Supplies; Motors, Regulators, Electronic Equipment & Power Distribution; Test Instruments; and Computers & PLC.

This test contains 60 items in a multiple-choice format. In a group of 61 candidates, reliability was .92 with a mean score of 28.16, a standard deviation of 12.16, and standard error of measurement of 3.44.

### Sample Question:

What is the value of this resistor?



- 2.1 ohms ± 20%
- 21 ohms ± 10%
- 10 ohms ± 5%
- 1 ohm ± 20%

Price Code 1

## C, B & A MECHANIC EVALUATION (MULTI-CRAFT)

**C Mechanic Evaluation**  
RR26C-C or OL26C  
RR26C-M Administration Manual

**B Mechanic Evaluation**  
RR26B-C or OL26B  
RR26B-M Administration Manual

**A Mechanic Evaluation**  
RR26A-C or OL26A  
RR26A-M Administration Manual

For use in selecting manufacturing or processing maintenance candidates who have knowledge in the following areas: Pneumatics; Print Reading; Welding; Electrical; Lubrication; Plumbing; Rigging; Machine Shop; Mechanical; and HVAC.

The test items are written in a multiple-choice format.

	No. of Items	Reliability	Std. Dev.	Std. Error of Meas.
C Mech.	60	.82	7.78	3.30
B Mech.	60	.86	8.47	3.17
A Mech.	60	.76	6.97	3.41

NOTE: Each level progresses in difficulty, with A Mechanic being the most advanced.

### Sample Question:

Water in a cooling tower is cooled by the process of

- filtration.
- condensation.
- evaporation.
- sublimation.

REVISED IN 2008

Best used for food, drug, and consumer product industries.

Spanish and alternate forms available  
Price Code 1

## MECHANICAL TECHNICIAN C, B, & A (Multi-Craft Mechanic)

REVISED IN 2011

**Mechanical Technician C**  
RR114C-C or OL114C  
RR114C-M Administration Manual

**Mechanical Technician B**  
RR114B-C or OL114B  
RR114B-M Administration Manual

**Mechanical Technician A**  
RR114A-C or OL114A  
RR114A-M Administration Manual

For use in selecting metals or manufacturing candidates who have knowledge or experience in the following areas: Hydraulics & Pneumatics; Print Reading; Welding & Rigging; Power Transmission & Lubrication; Mechanical Maintenance Principles; Pumps & Piping; and Shop Equipment & Tools.

Plant Engineering  
PRODUCT of the YEAR  
2003

	No. of Items	Reliability	Std. Dev.	Std. Error of Meas.
Mech Tech C	60	.75	6.46	3.23
Mech Tech B	60	.81	7.82	3.41
Mech Tech A	60	.93	11.99	3.17

Alternate forms available  
Price Code 1

## MULTI-CRAFT TEST

REVISED IN 2008

RR100-C or OL100  
RR100-M Administration Manual

For use in selecting maintenance employees who have knowledge in the following areas:

1) Hydraulics & Pneumatics; 2) Welding and Rigging; 3) Power Transmission, Lubrication, Mechanical Maintenance, & Shop Machines, and Tools & Equipment; 4) Pumps, Piping and Combustion; 5) Motors, Control Circuits, and Schematics & Print Reading; 6) Digital Electronics, Power Supplies, Computers & PLC, and Test Instruments; and 7) Basic AC/DC Theory, Power Distribution, and Electrical Maintenance.

This test contains 60 items in a multiple-choice format. In a group of 3677 candidates, reliability was .89 with a mean score of 29.91, a standard deviation of 10.40, and a standard error of measurement of 3.45. Uncorrected correlation with performance ratings of Technical Knowledge, Problem Solving, and Total Performance were .553, .260, and .353, respectively.

### Sample Question:

The type of electronic stage that isolates the stages inside a micro-processor from those outside the micro-processor is the

- buffer.
- bus.
- RAM.
- ROM.

Plant Engineering  
PRODUCT of the YEAR  
2001

Spanish and alternate form available  
Price Code 1

## WELDTTEST

REVISED IN 2011

RR15-C or OL15  
RR15-M Administration Manual

For use in selecting journey-level Welders who have knowledge in the following areas: Print Reading; Welding, Cutting Torch and Arc Air Cutting; Welder Maintenance & Operation; Tools, Machines, Materials & Equipment; Mobile Equipment & Rigging; and Production Welding Calculations. This is a 60-item test.

In a group of 111 candidates, reliability was .89 with a mean score of 46.00, a standard deviation of 8.73, and a standard error of measurement of 2.90.

Price Code 1

## MILLWRIGHT

REVISED IN 2010

RR44-C or OL44  
RR44-M Administration Manual

For use in selecting millwright candidates who have knowledge in the following areas: Hydraulics & Pneumatics; Burning & Fabrication and Print Reading; Power Transmission & Lubrication; Pumps & Piping; Rigging; Mechanical Maintenance; and Shop Equipment & Tools, Materials & Equipment.

Price Code 1

# PRODUCTION, OPERATING & MANUFACTURING

## COMBINED BASIC SKILLS

REVISED  
IN 2010

**RR76-C or OL76**  
**RR76-M Administration Manual**

Ramsay Corporation's short measure of basic manufacturing and processing skills. This assessment was developed to enable a quick evaluation of literacy and performance skills required in manufacturing and processing.

Subtest Title	No. of Items	Testing in Minutes
• Reading	16	16
• Arithmetic	14	10
• Inspection & Meas.	10	8
• Process Monitoring & Problem Solving	12	14
<b>TOTAL</b>	<b>52</b>	<b>48</b>

Combined Basic Skills for the food industry, chemical operator, custodial services and water treatment operator also available. Call for details.

**Spanish and alternate form available**  
**Price Code 2 (See page 4)**

## MEASUREMENT, READING & ARITHMETIC

**RR54-C**  
**RR54-M Administration Manual**

This test booklet contains a series of three tests in the areas of measurement, reading, & arithmetic. It was originally developed as a basic skills assessment for operating engineers.

Subtest Title	No. of Items	Testing in Minutes
• Measurement	20	15
• Reading	40	40
• Arithmetic	40	30
<b>TOTAL</b>	<b>100</b>	<b>85</b>

**Spanish version available**  
**Price Code 1**

## TEST ADMINISTRATION

**RR2**

**The Testing Manual** – A reference for Managers and Test Administrators and a training manual for Test Administrators. . . . . \$179.95

Test Samples available upon request:  
**Call for more information**

## VARIABLE-FREQUENCY DRIVE



**RR154-C or OL154**  
**RR154-M Administration Manual**

Used to evaluate understanding of maintenance and troubleshooting of VFDs in industrial settings. This 40-item test covers the areas of Mechanical and Electrical Motor Theory; Drives; VFD Components; and Troubleshooting.

**Price Code 1**

## DRAFTER (CAD OPERATOR)

**RR123-C or OL123**  
**RR123-M Administration Manual**

Developed to test a person's ability to draft and perform CAD operations. This test consists of 30 multiple-choice questions in the areas of Print Reading and CAD drawings.



**Price Code 1**

## BLDGTEST

REVISED  
IN 2008

**RR27-C or OL27**  
**RR27-M Administration Manual**

A 60-item test for use in selecting building mechanics who have knowledge in Electrical; Print Reading; Plumbing; HVAC; General Repairs; Carpentry; Painting; Masonry; and Maintenance Management. In a group of 202 applicants, reliability was .87, mean score was 36.69, with a standard deviation of 9.35, and standard error of measurement of 3.37.

**Spanish and alternate form available**  
**Price Code 1**

## PLC TEST

**RR125-C or OL125**  
**RR125-M Administration Manual**

For use in selecting candidates for jobs that require knowledge of PLC & I/O Basics, Ladder Logic, Programming Basics, Peripherals & Systems, and Troubleshooting. This 50-item test administered to 101 candidates had a reliability of .83, mean score of 34.99, a standard deviation of 6.84, and standard error of measurement of 2.82.

**Spanish and alternate form available**  
**Price Code 1**

REVISED  
IN 2010

## WIND TURBINE TECHNICIAN

**RR138-C or OL138**

Developed to evaluate candidates in the wind power industry who have knowledge or experience in Wind Turbine Technology, Mechanical Maintenance, Hydraulics, and Electronics.

**Price Code 1**

NEW

## LUBRICATION TEST

**RR145-C or OL145**

This 60-item test evaluates knowledge of Lubrication Theory, Types of Lubricants, Lubrication Properties and Additives, Automatic Lubrication Systems and Applications.

**Price Code 1**

## MACHINIST

**RR18-C or OL18**  
**RR18-M Administration Manual**

This 60-item test is used to select journey-level Machinists. Also available is a shortened version of this test (45 items). **Machinist-Short Form: RR101-C**

**Price Code 1**

## ADDITIONAL TESTS AVAILABLE

Item#	Title
RR126-C	Boilermaker
RR57-C	Cellular Technician
RR103-C	CNC Operator
RR82-C	Combustion Control Technician
RR23-I-C	Electrical Technician I (Basic)
RR23-II-C	Electrical Tech. II (Advanced)
RR127-C	Injection Molding Mechanic
RR21-I-C	Instrument Technician (Basic)
RR21-II-C	Instrument Technician (Advanced)
RR65-C	Laboratory Technician (Mfg.)
RR84-C	Locomotive Repair
RR52-C	Mechanical Technician
RR45-C	Mobile Equip. Mech. (available in Spanish)

Item#	Title
RR122-C	Operating Engineer
RR63-C	Project Engineer
RR56-C	Refrigeration Mechanic
RR107-C	Sheet Metal Worker
RR98-C	Sr. Maint. Technician Millwright
RR120	Maintenance Technician (1 - 6) <i>Hierarchical series of tests for Multi-Craft Mechanics (Paper Industry)</i>
RR46-C	Sr. Maint. Technician Pipefitter
RR117-C	Sr. Maint. Technician Welder
RR42-C	Tool Knowledge & Use
RR20-C	Tool Room Attendant
RR109-C	Toolmaker
RR50-C	Welder, Repair & Maintenance

Item#	Title
RR40-C	Air Cond. Spec. (also in Spanish)
RR28-C	Auto Technician
RR129-C	Bus Mechanic
RR146-C	Carpenter
RR97-C	ChemTest
RR131-C	Diesel Mechanic
RR105-C	Electrician (Chemical)
RR94-C	Hydraulics
RR147C	Hydraulics & Pneumatic Print Reading
RR104-C	Instrument Technician (Chemical)
RR81-C	InstrumenTest (Refinery)
RR83-C	Ironworker
RR88-C	Mobile Equipment Operator
RR96-C	OSHA Safety Violations Test
RR55-C	PipeTest (Piping & Plumbing)
RR143-C	Pump Test
RR106-C	Vibration Analysis

**OnlineTests Cost: \$30/20-99 Tests \$28/100+ Tests No Charge Admin. Manual**  
**Paper Tests Cost: \$28/20-99 Tests \$22/100+ Tests \$24.95 Admin. Manual**

**Price Code 1**

REVISED  
IN 2009

## TEAM SKILLS *Price Code 2*

**RR66-C or OL66**

### RR66-M Administration Manual

A test of team knowledge and skills in the following areas: Conflict Resolution; Group Dynamics; Communication Skills; Interpersonal Skills; Team Decision Making; Productivity & Motivation; and Leader & Member Skills.

This is a 35 item test. In a group of 2,311 candidates, the reliability was .70 with a mean score of 21.80, a standard deviation of 4.52 and a standard error of measurement of 2.50.

**Also available:**

**Teamwork KSA - RR48-C**

**RR48-M Administration Manual**

## SALES SKILLS *Price Code 2*

**RR67-C or OL67**

### RR67-M Administration Manual

A test of sales knowledge in the following areas: Prospecting Skills; Interpersonal Skills; Communication/Expressiveness Skills; Product Knowledge; Confidence; Listening Skills; Persistence; Closing Skills; Follow-up Skills; Negotiating Skills; Honesty; and Motivation.

Data for this 48-item test given to 264 candidates show a reliability of .81, a mean score of 31.27, a standard deviation of 6.50 and a standard error of measurement of 2.83.

REVISED  
IN 2010

## MANAGEMENT & SUPERVISORY SKILLS *Price Code 2*

**RR73-C or OL73**

### RR73-M Administration Manual

A test of knowledge of management and supervisory skills in the following areas: Planning; Motivating; Organizing; Communicating, and Leadership.

NEW

## WRITING TEST *Price Code 3*

**RR139-C**

This test was created to fill the need for a practical and efficient assessment of writing ability in job settings. Consists of exercises in writing a Memo, a Report to a Manager and a Letter.

NEW

## BASIC COMPUTER SKILLS *Price Code 3*

**RR133-C**

This 26-item multiple-choice test assesses basic computer skills in areas of Menu Navigation, Icons, File Management and Printing.

NEW

## JOB SAFETY TEST *Price Code 1*

**RR148-C**

This test was developed to serve as a safety supplement to many of our off-the-shelf assessments. The 50-item test includes the following areas: Climbing Safety, Rigging Safety, Machine Safety, Electrical Safety, and Industrial Safety.

## BASIC SKILLS

**READING:** Designed to measure the ability to read, comprehend, and answer written questions based on a printed passage. Each test consists of 40 questions and five reading passages with progressively higher levels of readability.

Title	Form	Average Reading Level	Price Code	Item No.
Reading	A (Self-scoring)	10.4	3	RR8-C
Reading (Food Industry)	A-FI (Self-scoring)	10.4	3	RR102-C
Chemical Reading	CH	9.8	3	RR68-C
Office Reading	G	11.4	3	RR9-C
Health Care Reading	HC-1	11.0	3	RR35-C
Supervisory Reading	A	12.0	3	RR34-C
Warehouse & Shipping Reading	WH	10.5	3	RR43-C
Reading (Electronics & Instrumentation)	IHER	11.2	3	RR22-C

**ARITHMETIC:** Developed to evaluate the ability to perform basic computations at various levels of difficulty:

Level I: Addition, subtraction, multiplication & division of whole numbers

Level II: Addition, subtraction, multiplication & division of decimals

Level III: Addition, subtraction, multiplication & division of fractions

Level IV: Percentages, simple formulas, reading tables and charts

Level V: Algebra

Level VI: Trigonometry

Title	Form	Level	Price Code	Item No.
Arithmetic	A (Self-scoring)	I & III	4	RR5-C
Arithmetic 2	I (Self-scoring)	I	4	RR49-C
Arithmetic*	CO (Self-scoring)	I, II, IV	3	RR6-C
Arithmetic	MCY (Self-scoring)	I, II, III, IV	3	RR36-C
Office Arithmetic	CA	I, II, IV	3	RR10-C
Arithmetic (Electronics & Instrumentation)	IHER	I, II, III, IV	3	RR25-C
Algebra	A	V	3	RR41-C
Geometry & Algebra	A	V	3	RR134-C
Trigonometry	CNC	VI	3	RR99-C

Process Flow WLP-R 3 RR90-C

Measures the ability to follow the flow of liquid or material through a chemical or industrial process, including reading gauges.

Checking Accuracy A 3 RR91-C  
Measures the ability to make accurate readings of identification numbers, names, and tables.

Measurement\* A-C (Self-scoring) 3 RR4-C  
Assesses ability to measure in rule dimensions of wholes, halves, quarters, eighths, and sixteenths.

Precision Measurement AR 3 RR93-C  
Assesses calculation skills, gauge reading and use of precision measurement tools.

Inspection and Measurement\* LCI-C 3 RR37-C  
Assesses the ability to measure, inspect, and follow directions. Included are exercises in measuring objects, reading dials, determining differences, and arranging items numerically and alpha-numerically.

Pre-Print Reading TTA-O 3 RR135-C  
Reading Elec. Draw. & Schem. A 3 RR24-C

Measures ability to read simple drawings and prints.

\* **Alternate form available**

### PRICE CODES FOR TESTS AND MANUALS (Minimum 20)

1	<b>Online Tests</b>	\$25/20-99 Tests	\$23/100+ Tests	No Charge/Admin. Manual
	<b>Paper Tests</b>	\$23/20-99 Tests	\$20/100+ Tests	\$24.95/Admin. Manual
2	<b>Online Tests</b>	\$16/20-99 Tests	\$14/100+ Tests	No Charge/Admin. Manual
	<b>Paper Tests</b>	\$15/20-99 Tests	\$13/100+ Tests	\$24.95/Admin. Manual
3	<b>Online Tests</b>	\$13/20-99 Tests	\$11/100+ Tests	No Charge/Admin. Manual
	<b>Paper Tests</b>	\$12/20-99 Tests	\$10/100+ Tests	\$24.95/Admin. Manual
4	<b>Paper Tests</b>	\$6.95/20-99 Tests	\$5.95/100+ Tests	\$24.95/Admin. Manual

# APPRENTICES & MAINTENANCE TRAINEES

## ELECTRICAL MAINTENANCE TRAINEE

REVISED  
IN 2010

RR17-C or OL17

RR17-M Administration Manual

For use in selecting electrical trainees with one year of training or experience in the following areas: Motors; Digital & Analog Electronics; Schematics & Electrical Print Reading; Control; Power Supplies; Basic AC/DC Theory; Construction, Installation & Distribution; Test Instruments; Computers & PLC; Mechanical, Equipment Operation, & Hand & Power Tools; and Electrical Maintenance.

This test contains 60 items in a multiple-choice format. In a group of 300 candidates reliability was .85 with a mean score of 28.83, a standard deviation of 8.79, and standard error of measurement of 3.40.

### Sample Question:

If the current is 12 amperes and voltage is 15 volts, what is the resistance?

- A. .75 ohms
- B. .80 ohms
- C. .90 ohms
- D. 1.25 ohms

Price Code 1

## MECHANICAL MAINTENANCE TRAINEE

REVISED  
IN 2010

RR31-C or OL31

RR31-M Administration Manual

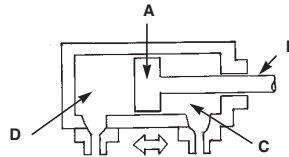
For use in selecting mechanical trainees with one year of training or experience in the following areas: Hydraulics; Pneumatics; Print Reading; Welding; Power Transmission; Lubrication; Pumps; Piping; Rigging; Maintenance; Shop Machines; and Tools, Material & Equipment.

This test contains 60 items in a multiple-choice format. In a group of 117 candidates, reliability was .87 with a mean score of 41.98, standard deviation of 8.80, and standard error of measurement of 3.17.

### Sample Question:

Identify part D in the diagram below.

- A. Rod
- B. Head end
- C. Piston
- D. Rod end



Alternate form available  
Price Code 1

## MULTICRAFT TRAINEE TEST

RR116-C or OL116

RR116-M Administration Manual

Developed for use with applicants or employees who have at least one year of mechanical and electrical training or experience.



In a group of 208 candidates, reliability was .88 with a mean score of 33.40, a standard deviation of 9.42 and a standard error of measurement of 3.26.

Price Code 1

## PRINT TEST

RR11A-C or OL11A

Fraction Version

RR11B-C or OL11B

Decimal Version

RR11-M Administration Manual

Select candidates for jobs requiring reading prints and drawings.

In a group of 130 candidates who took the decimal version of the 33-item test, reliability was .86 with a mean score of 23.97, a standard deviation of 5.54 and a standard error of measurement of 2.07.

Price Code 1

## ELECTRICAL REPAIR APPRENTICE BATTERY

Reading

RR58R-C or OL58R

Arithmetic

RR58A-C or OL58A

Electrical Print Reading

RR58EPR-C or OL58EPR

Troubleshooting & Problem Solving

RR58TR-C or OL58TR

Basic Electricity

RR58BE-C or OL58BE

RR58-M Administration Manual

A basic skills test battery measuring 5 different areas: Reading; Arithmetic; Electrical Print Reading; Troubleshooting & Problem Solving; and Basic Electricity.

These 5 tests, in multiple-choice format, are more demanding of job knowledge than a basic skills battery, but less demanding than our Electrical Maintenance Trainee Test.

Price Code 3 (see page 4)

## MECHANICAL REPAIR APPRENTICE BATTERY

Reading

RR59R-C or OL59R

Arithmetic

RR59A-C or OL59A

Measurement

RR59M-C or OL59M

Reading Prints & Drawings

RR59RPD-C or OL59RPD

Troubleshooting & Problem Solving

RR59TR or OL59TR

Basic Mechanical Knowledge

RR59BM-C or OL59BM

RR59-M Administration Manual

A basic skills test battery measuring 6 different areas: Reading; Arithmetic; Measurement; Reading Prints & Drawings; Troubleshooting & Problem Solving and Basic Mechanical Knowledge.

These 6 tests, in multiple-choice format, are more demanding of job knowledge than a basic skills battery, but less demanding than our Mechanical Maintenance Trainee Test.

Price Code 3 (see page 4)

## WTMA – WIESEN TEST OF MECHANICAL APTITUDE

RR89-C or OL89

RR89-M Administration Manual

This APTITUDE test was developed to measure mechanical aptitude and reduce impact on females.

In a group of 80 African American and Hispanic students, there was no significant difference in scores of males and females.

This test has 60 questions in a multiple-choice format. Each question uses a diagram with everyday objects to illustrate a mechanical principle or fact. It has been found to be highly correlated with other measures of mechanical aptitude.

Test scores were significantly related to performance as rated by supervisors of 102 employed machine operators. The mean was 63% and standard deviation was 13.88. Test scores were also significantly correlated with performance ratings of 169 employed chemical operators.

Spanish version available  
Price Code 1

**RAMSAY CORPORATION**

Boyce Station Offices  
1050 Boyce Road  
Pittsburgh, PA 15241-3907

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## OUR TESTS ARE AVAILABLE FOR ONLINE ADMINISTRATION

- Instant Access to Tests
- Immediate and Accurate Scoring
- Multiple Reports and Metrics
- Local & National Percentiles Provided
- Ability to Scramble Questions
- Option to Set Passing Scores
- Environmentally Friendly Data Retention

**RAMSAY  
CORPORATION**

**[www.ramsaycorp.com](http://www.ramsaycorp.com) (412) 257-0732**

The tests sold by Ramsay Corporation have been validated for their original use using a content-related validation model. Obviously we have not conducted such a study for your company. When we did the original studies, they conformed to the requirements of the *Uniform Guidelines on Employee Selection Procedures* (1978). We can do such a study at your facility.

In addition, several of our tests have been further supported by criterion-related validation studies. Those tests include:

- |                         |                            |                             |
|-------------------------|----------------------------|-----------------------------|
| • Maintest              | • Combined Basic Skills    | • Electrical Aptitude Test  |
| • ElecTest              | • Reading Form A           | • Mechanical Aptitude Test  |
| • MecTest               | • Arithmetic Form CO-C     | • Multi-Craft Aptitude Test |
| • Multi-CrafTest        | • Inspection & Measurement | • WTMA                      |
| • Elect. Maint. Trainee | • ChemTest                 |                             |

We suggest that you or your job experts review any test which you purchase to ensure that the test items reflect the equipment and technology at your facility. We would be happy to discuss any of these matters with you by telephone at 412-257-0732.