PSI Services LLC
Phone: **(855) 746-8173**
E-mail: examschedule@psionline.com
https://test-takers.psiexams.com/mdplu

MARYLAND DEPARTMENT OF LABOR
STATE BOARD OF PLUMBING

MASTER PLUMBER/GAS FITTER - JOURNEY PLUMBER/GAS FITTER
MASTER NATURAL GAS FITTER - JOURNEY NATURAL GAS FITTER
QUALIFICATION INFORMATION BULLETIN

****Prior PSI Approval Required for Examination****

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Please refer to our website to check for the most updated information at
https://test-takers.psiexams.com/mdplu

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EXAMINATIONS BY PSI SERVICES LLC

The Maryland State Board of Plumbing ("Board"), by authority of the Business Occupations and Professions Article, § 12-207, Annotated Code of Maryland, is responsible for promulgating and enforcing regulations which define qualifications for examination, certifying and licensing Master and Journey Plumbers, investigating alleged infractions, and disciplining violators.
Before being granted a license by the Board, an individual is required to pass a written examination. The examination which you will take was developed to meet the evaluation requirement set out in Title 09, Subtitle 20, Chapter 26 of the Maryland State Plumbing Code. After passing the examination, you may apply to the Board of Plumbing for a license.

For the State Board of Plumbing: reciprocity, reinstatement, and conviction and disciplinary action history require review/approval by the State Board of Plumbing. Questions about these and all questions concerning applications for licensure or certification after you have passed the examination should be directed to:

Maryland State Board of Plumbing
100 S. Charles Street, Tower I
Baltimore, MD 21201
Website: Maryland Board of Plumbing - Division of Occupational and Professional Licensing
e-mail: DLOPLplumbing-LABOR@maryland.gov
(410) 230-6231

EXAMINATION REQUIREMENTS AND QUALIFICATIONS

REQUIREMENTS FOR THE MASTER PLUMBER/GAS FITTER EXAMINATION

REQUIREMENTS FOR MARYLAND RESIDENTS OR FOR NONRESIDENTS WHOSE WORK EXPERIENCE HAS BEEN IN MARYLAND

1. Must have certification of approved work experience under the direction of a licensed Maryland Master Plumber for at least a two-year period, including 3,750 working hours of practical experience as a licensed Maryland Journey Plumber.
2. Certification of experience must be furnished by the applicant with the application for examination (See form on the back of bulletin).
3. All applicants for examination are required to submit a non-expired, approved 32-hour course in Backflow Prevention Device Testing.

NOTE: Applicants licensed as a Journey Plumber with Baltimore County or the Washington Suburban Sanitary Commission must obtain a current original letter of verification showing the date of the examination, date of issuance of the Journey license, and confirmation that the license is in good standing. This original letter of verification must be submitted with the application for examination. **Copies of licenses or certificates will not be accepted in place of a letter of verification.**

REQUIREMENTS FOR MARYLAND RESIDENTS OR FOR NONRESIDENTS WHOSE WORK EXPERIENCE HAS NOT BEEN IN MARYLAND

1. Must submit certification of approved work experience for at least a two-year period, including at least 3,750 hours of work in the plumbing trade, after being licensed as a Journey Plumber.
2. Must submit an original certification of approved work experience of at least 4 years, including at least 7,500 hours under the direction and control of a licensed Master Plumber before being licensed as a Journey Plumber.
3. Must submit an original current letter verifying receipt of Journey Plumber license by having passed a written competency examination, the date the examination was passed, and the date the first license was issued.
4. Must submit an original letter of verification that all of the required work experience, totaling 11,250 hours, was worked under the direction and control of a licensed Master Plumber whose license was obtained by passing a written competency examination. The original letter of current board verification must include information that the Master Plumber was first licensed as a result of having passed a written examination, the date of examination, and the date of issuance of the first license. **Copies of licenses will not be accepted in place of a letter of verification.**
5. All applicants for examination are required to submit a non-expired, approved 32-hour course in Backflow Prevention Device Testing.

REQUIREMENTS FOR APPLICANTS FROM AREAS THAT DO NOT REQUIRE JOURNEY PLUMBERS TO BE LICENSED WHEN THE APPLICANT HAS A MASTER LICENSE FOR THE AREA

1. Must submit certification of approved work experience of 7,500 hours under the direction and control of a licensed Master Plumber whose license was obtained by passing a written competency examination. Both the work experience certification and the letter about the Master Plumber's qualification must be furnished by the applicant with the application for examination.
2. Must provide a signed original letter of verification from the state that issued the Master plumber's license. It must reflect that Master Plumber received the license by passing a written examination, and that the Master Plumber has held the license in good standing for at least two years.
3. Must submit certification of having worked as a licensed Master Plumber for 3,750 hours over a two-year period since receipt of Master's license.
4. All applicants for examination are required to submit a non-expired, approved 32-hour course in Backflow Prevention Device Testing.

REQUIREMENTS FOR THE MASTER NATURAL GAS FITTER EXAMINATION

APPLICATIONS MUST PROVIDE EVIDENCE OF

1. A current Maryland HVACR master or master restricted heating license in good standing; and
2. 2 years of work experience as a licensed journeyman natural gas fitter under the direction of a:
    a. Licensed master plumber;
    b. License master gas fitter; or
    c. Holder of a master or master restricted heating license in good standing issued by the State Board of HVACR Contractors, who demonstrates qualification as a natural gas fitter that is deemed acceptable by the Board; and
3. Applicant will be required to pass the written examination.

REQUIREMENTS FOR THE JOURNEY PLUMBER/GAS FITTER EXAMINATION

If you are presently working as a non-licensed Apprentice plumber, you must register with the State Board of Plumbers as an Apprentice before submitting the application for examination as a Journey Plumber. Only work experience as a licensed Apprentice will count towards meeting the work experience requirement listed below.

REQUIREMENTS FOR MARYLAND RESIDENTS OR FOR NONRESIDNETS WHOSE WORK EXPERIENCE HAS BEEN IN MARYLAND

1. Must submit certification of approved work experience of period of four years as a licensed Apprentice Plumber, totaling at least 7,500 hours of training in plumbing services, under the direction and control of a licensed Maryland Master Plumber.
2. Up to 1,500 hours certified approved school study can be applied towards the 7,500-hour requirement.
3. All hours worked as an Apprentice Plumber must be listed. If you are presently working as a non-licensed Apprentice Plumber, you must register with the State Board of Plumbers as an Apprentice Plumber before submitting the application for examination as a Journey Plumber.
4. Hours certified by secretaries, bookkeepers, or other office personnel will not be accepted.
5. Hours accrued may not be credited to an individual serving under an apprentice agreement registered with the Maryland Apprenticeship and Training Council unless the individual is also licensed with the Board as an Apprentice Plumber.
6. If the Maryland Master Plumber cannot be located or is deceased, proof of employment from Social Security Administration records or copies of W-2 tax forms ***may*** be accepted.
7. If the Master Plumber who certifies your hours is not a Maryland Master Plumber, **AN ORIGINAL LETTER OF VERIFICATION FROM THE STATE OR COUNTY LICENSING AUTHORITY WHERE THE MASTER PLUMBER WAS FIRST LICENSED AS A MASTER PLUMBER** must be obtained stating that a written test was passed, the date of the test, and date first licensed. If you worked for more than one Master Plumber, the same information must be submitted for each Master Plumber. THE LETTER(S) OF VERIFICATION MUST BE SUBMITTED WITH YOUR APPLICATION FOR EXAMINATION.
8. All applicants for examination are required to submit a non-expired, approved 32-hour course in Backflow Prevention Device Testing.

REQUIREMENTS FOR MARYLAND RESIDENTS OR NONRESIDENTS WHOSE WORK EXPEREINCE HAS NOT BEEN IN MARYLAND

1. Must submit certification of approved work experience of four years as a licensed Apprentice Plumber or license of equal stature, totaling at least 7,500 hours of training in plumbing, under the direction and control of a licensed Master Plumber.
2. Up to 1,500 hours of accredited approved school study can be applied toward the 7,500-hour requirement.
3. All certifications of experience must be furnished by the applicant in original form with the application for examination.
4. Hours certified by secretaries, bookkeepers, or other office personnel will not be accepted.
5. **MUST SUBMIT A CURRENT LETTER OF VERIFICATION FROM THE STATE OR COUNTY LICENSING AUTHORITY WHERE THE MASTER PLUMBER WAS FIRST LICENSED AS A MASTER PLUMBER, STATING THAT A WRITTEN TEST WAS PASSED, DATE OF THE TEST, AND THE DATE FIRST LICENSED**.
   If you worked for more than one Master Plumber, you must submit the same information for each Master Plumber. THE LETTER(S) OF VERIFICATION MUST BE SUBMITTED WITH YOUR APPLICATION FOR EXAMINATION.
6. If the Maryland Master Plumber cannot be located or is deceased, you must **SUBMIT PROOF OF EMPLOYMENT IN THE FORM OF W-2 TAX STATEMENTS AND THEN FOLLOW THE GUIDELINES SET ABOVE IN NUMBER 5.**
7. All applicants for examination are required to submit a non-expired, approved 32-hour course in Backflow Prevention Device Testing.

REQUIREMENTS FOR THE JOURNEY NATURAL GAS FITTER EXAMINATION

1. Applicant has acquired 3,750 Natural Gas Fitter working hours as an apprentice over a period of at least 2 years. CANDIDATE MUST ALSO HAVE COMPLETED AN APPROVED COURSE OF STUDY AND PASSED THE WRITTEN EXAMINATION.

EXAMINATION ELIGIBILITY TO TEST

To be eligible for the examination, the applicant shall have satisfactorily completed the required work experience. You will be applying with PSI at Click Here and select VIEW AVAILABLE TESTS, then select which Test you will be applying for. Select SIGN IN/REGISTER and select Create Account. You will be required to upload the required documentation.

Once PSI receives the proper documentation, allow up to one week for processing. Upon approval, you will receive an email confirmation with instructions on how to pay and schedule for the examination. If the application is denied, you will be provided with the missing documents.

SCHEDULING

Examination	Fee
Master Plumber/ Gas Fitter	$65
Journey Plumber/Gas Fitter	$65
Master Natural Gas Fitter	$65
Journey Natural Gas Fitter	$25

Payment of the registration fee is valid for one examination only.
Examination registration fees are not refundable and are not transferable. **Examination registration fees are valid for one year**.

ON-LINE

For the fastest and most convenient examination scheduling process, PSI recommends that you register for your examinations using the Internet. You register online by accessing PSI's registration website at https://test-takers.psiexams.com/mdplu. Internet registration is available 24 hours a day.

Log onto PSI's website and select "SIGN IN / CREATE ACCOUNT". You are now ready to schedule the examination. Enter your zip code and a list of the testing sites closest to you will appear. Once you select the desired test site, available dates will appear. You are now ready to schedule the examination.

TELEPHONE

For telephone registration, you will need a valid credit card (VISA, MasterCard, American Express or Discover). PSI registrars are available Monday through Friday between 8:00 am and 10:00 pm, and Saturday-Sunday between 8:30 am and 6:00 pm, Eastern Time. You may call PSI at (855) 746-8173.

RESCHEDULING/CANCELING AN EXAMINATION APPOINTMENT

You may cancel and reschedule an examination appointment without forfeiting your fee if your cancellation notice is received 48 hours before the scheduled examination date. For example, for a Monday appointment at 9:00 am, the cancellation notice would need to be received on the previous Saturday before 9:00 am. You may reschedule online at https://test-takers.psiexams.com/mdplu or call PSI by phone at (855) 746-8173.

Note: A voicemail or email message is not an acceptable form of cancellation. You must use the PSI Website or call PSI and speak directly to a Customer Service Representative to cancel or reschedule your examination or you forfeit the fee.

MISSED APPOINTMENT OR LATE CANCELLATION

If you miss your appointment, you will not be able to take the examination as scheduled: further, you will forfeit your examination fee, if you:

- Do not cancel your appointment 48 hours before the scheduled examination date and time.
- Do not appear for your examination appointment.
- Arrive after your examination start time
- Do not present required identification when you arrive for the examination.

EXAMINATION ACCOMMODATION (ADA)

All PSI examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and exam accommodations will be made in meeting a candidate's needs. A candidate with a disability or a candidate who would otherwise have difficulty taking the examination should request for alternative arrangements by **Clicking Here**.

Candidates granted accommodation in accordance with the ADA, MUST schedule their examination by telephone and speak directly with a PSI registrar.

EXAMINATION SITE CLOSING FOR AN EMERGENCY

If severe weather or another emergency forces the closure of an examination site on a scheduled examination date, your examination will be rescheduled. PSI personnel will attempt to contact you in this situation via telephone and email. You may check the status of your examination schedule by calling (855) 746-8173. Every effort will be made to reschedule your examination at a convenient time as soon as possible. You will be rescheduled at no additional charge.

REPORTING TO THE EXAMINATION SITE

TESTING SITE LOCATIONS

Baltimore
2622 Lord Baltimore Dr, Suite C-D
Baltimore, MD 21244

College Park Center:
The Sterling Building
4920 Niagara Road, Suite 400
College Park, MD 20740

Crofton Center:
Morauer III Building
2137 Espey Court, Suite 3
Crofton, MD 21114

Hagerstown Center:
140 West Franklin St, Suite A
Hagerstown, MD 21740

Mid-Atlantic Testing Company
13992 Baltimore Ave, Suite 205
Laurel, MD 20707

Rockville - Tower Oaks Testing LLC
3206 Tower Oaks Blvd, Suite 400
Rockville, MD 20852

Salisbury Brainseed Testing Services
1322 Belmont Ave, Bldg 2, Suite 203
Salisbury, MD 21801

Waldorf - DW Industries LLC
3825 Leonardtown Road, Suite 7
Waldorf, MD 20601

On the day of the examination, you should arrive 30 minutes before your appointment. This extra time is for sign-in, identification, and familiarizing you with the examination process. *If you arrive late, you may not be admitted to the examination site, and you will forfeit your examination registration fee.*

Click here for a video of the Test Center Experience

REQUIRED IDENTIFICATION

Candidates need to provide one (1) form of identification.

Candidates must register for the examination with their LEGAL first and last name as it appears on their government issued identification. The required identification below must match the first and last name under which the candidate is registered with DPR. Candidates are required to bring one (1) form of a valid (non-expired) signature bearing identification to the test site.

REQUIRED IDENTIFICATION (with photo) – Choose One

- State issued driver's license
- State issued identification card
- US Government Issued Passport
- US Government Issued Military Identification Card
- US Government Issued Alien Registration Card
- Canadian Government Issued ID

SECURITY PROCEDURES

The following examination protocols apply during any examination. PSI may pause or terminate an examination at any time. Failure to follow the examination protocol, may result in the disqualification of examination results, prohibition from taking future examinations, and may lead to legal action.

You will be given a piece of scratch paper and a pencil. You will return the scratch paper and pencil during check-out.

Prohibited Items:

- Reference materials of any kind.
- Electronic devices of any type, including but not limited to; cellular phones, cameras, computers of any type (e.g., laptops, tablets, iPads), earbuds, electronic games, electronic watches, handheld calculators, headsets, mobile devices, music players (e.g., iPods), pagers, radios, recording devices (audio or video), smart watches, televisions, etc.).
- Hats or headgear not worn for religious reasons or as religious apparel, including hats, baseball caps, or visors.
- Bulky or loose clothing or coats including but not limited to; open sweaters, cardigans, shawls, scarves, vests, jackets and coats.
- In the event you are asked to remove bulky or loose outerwear, appropriate attire, such as a shirt or blouse should be worn underneath.
- Other personal items, including but not limited to; backpacks, briefcases, chewing gum, drinks, food, good luck items, notebooks, paper or other materials on which to write, pens, pencils or other writing devices, purses, reading material, smoking or chewing products, wallets, etc.

During the check in process, all candidates will be asked if they possess any prohibited items. Candidates may also be asked to empty their pockets and turn them out for the proctor to ensure they are empty. The proctor may also ask candidates to lift up the ends of their sleeves and the bottoms of their pant legs to ensure that notes or recording devices are not being hidden there.

Proctors will also carefully inspect eyeglass frames, tie tacks, or any other apparel that could be used to harbor a recording device. Proctors will ask to inspect any such items in candidates' pockets.

No prohibited items are allowed within the candidate's reach or line of sight. If prohibited items are found during check-in, candidates shall put them in the provided secure storage or return these items to their vehicle for test center exams. PSI will not be responsible for the security of any personal belongings or prohibited items.

- Any candidate seen giving or receiving assistance on an examination, found with prohibited items, or displaying prohibited behavior or violating any security regulations will have his or her examination terminated, and be asked to surrender all examination materials. All such instances will be reported to the examination sponsor.
- Person(s) accompanying an examination candidate may not wait in the examination center, inside the building or on the building's property. This applies to guests of any nature, including drivers, children, friends, family, colleagues, or instructors.
- Once candidates have been seated and the examination begins, they may leave the examination room only to use the restroom, and only after obtaining permission from the proctor. Candidates will not receive extra time to complete the examination.

TAKING THE EXAMINATION BY COMPUTER

The examination will be administered via computer. You will be using a mouse and computer keyboard.

Click here for the Tutorial

TUTORIAL

Before you start your examination, an introductory tutorial to the computer and keyboard is provided on the computer screen. The time you spend on this tutorial, up to 15 minutes, DOES NOT count as part of your examination time. Sample questions are included following the tutorial so that you may practice using the keys, answering questions, and reviewing your answers.

EXAMINATION REVIEW

In the event you fail the examination you will be given 30 minutes at the end of the examination to review the items you missed at no charge. The items will not be in any particular order.

PSI, in cooperation with the Board, will be consistently evaluating the examinations being administered to ensure that the examinations accurately measure competency in the required knowledge areas. While taking the examination, examinees will have the opportunity to provide comments on any questions, by using the comments key on the keyboard. These comments will be analyzed by PSI examination development staff. PSI does not respond to individuals regarding these comments, and all substantive comments are reviewed. This is the only review of examination materials available to candidates.

SCORE REPORTING

Your score will be given to you immediately following completion of the examination. The following summary describes the score reporting process:

- If you **pass**, you will receive a successful score report.
- If you **do not pass**, you will receive a failure score report with instructions on how to apply for another examination.

You can print your score report from your PSI online account at https://test-takers.psiexams.com/mdplu.

EXPERIMENTAL ITEMS

In addition to the number of questions per examination, a small number of one to ten experimental items, generally, approximately 10% of the number of questions, may be administered to candidates during the examination. These questions will not be scored. However, these questions will count against examination time. The administration of such unscored, experimental questions is an essential step in developing future licensing examinations.

DESCRIPTION OF EXAMINATIONS AND CONTENT OUTLINES

If a question answer could differ because of conflicting information in test reference sources, a legal requirement such as a code, law or regulation overrides any other reference. If two legal requirements appear to conflict, the state-specific code, law or regulation overrides the national one. Information from sources on the test reference list override information from other sources or persons.

The following examination content outline provides the topic areas and number of items for the Master and Journey Plumber/Gas Fitter and Natural Gas Fitter examinations as well as the specific Code reference.

Master Plumber/Gas Fitter Content Outline

# of Questions	Minimum Passing Score	Time Allowed
100	70%	240 minutes

CONTENT OUTLINE

Topic Information	# of Items
PLUMBING FUNDAMENTALS AND SAFETY	5
MATERIALS, USES, AND SPECIFICATIONS	6
TRAPS, INTERCEPTORS, AND BACKWATER VALVES	4
PLUMBING FIXTURES, FIXTURE FITTINGS, AND PLUMBING APPLIANCES	4
WATER SUPPLY SYSTEMS	8
BACKFLOW PREVENTION	10
DRAIN, WASTE, AND VENT SYSTEMS	13
SPECIAL TOPICS	3
GAS APPLIANCES AND PIPING	40
PLUMBING MATHEMATICS	7

REFERENCE MATERIALS

This examination is OPEN BOOK. Candidates may bring in reference books. However, no study guides are allowed. Reference books may be indexed, and may contain highlighted or underlined text. All materials must be unmarked (not written in) and may not contain additional papers (loose or attached).

THIS REFERENCE WILL NOT BE PROVIDED AT THE TEST CENTER. THESE ARE THE ONLY REFERENCES ALLOWED IN THE TESTING ROOM.

- ***International Plumbing Code*, 2018,** International Code Council, 800-786-4452, shop.iccsafe.org
- ***International Fuel Gas Code*, 2018,** International Code Council, 800-786-4452, shop.iccsafe.org
- ***Mathematics for Plumbers and Pipefitters***, Lee Smith, 8th Edition, 2013, www.cengage.com
- Any standard backflow text.
- ***Code of Federal Regulations - 29 CFR Part 1926*** (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or https://www.osha.gov/pls/oshaweb/owastand.display_standard_group?p_toc_level=1&p_part_number=1926
  OR
- ***Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI***, with latest available amendments, (866) 589-3088, www.psionlinestore.com

You may tab your reference materials using the following acceptable tabs: Avery Swift Tabs Self-Adhesive Permanent Plastic Tabs; Redi-Tag Self-Stick Permanent Adhesive Index Tabs.

The following tabs are unacceptable: Post-It Index Flags; Post-It Flags.

NO MATTER WHAT IS ON THE TAB PACKAGE, IF THE PSI PROCTOR IS ABLE TO REMOVE THE TABS WITHOUT RIPPING THE PAGE, YOU WILL NEED TO REMOVE THE TABS BEFORE YOU TAKE THE EXAM. DO NOT USE THE TABS THAT HAVE PAPER INSERTS. THE PAPER INSERTS WILL BE REMOVED.

Journey Plumber/Gas Fitter Content Outline

# of Questions	Minimum Passing Score	Time Allowed
100	70%	240 minutes

CONTENT OUTLINE

Topic Information	# of Items
PLUMBING FUNDAMENTALS AND SAFETY	8
MATERIALS, USES, AND SPECIFICATIONS	6
TRAPS, INTERCEPTORS, AND BACKWATER VALVES	4
PLUMBING FIXTURES, FIXTURE FITTINGS, AND PLUMBING APPLIANCES	4
WATER SUPPLY SYSTEMS	8
BACKFLOW PREVENTION	10
DRAIN, WASTE, AND VENT SYSTEMS	13
GAS APPLIANCES AND PIPING	40
PLUMBING MATHEMATICS	7

REFERENCE MATERIALS

This examination is OPEN BOOK. Candidates may bring in reference books. However, no study guides are allowed. Reference books may be indexed, and may contain highlighted or underlined text. All materials must be unmarked (not written in) and may not contain additional papers (loose or attached).

THIS REFERENCE WILL NOT BE PROVIDED AT THE TEST CENTER. THESE ARE THE ONLY REFERENCES ALLOWED IN THE TESTING ROOM.

- ***International Plumbing Code*, *2018*, *International Code Council*, *800-786-4452*, *shop.iccsafe.org***
- ***International Fuel Gas Code*,** 2018, International Code Council, 800-786-4452, shop.iccsafe.org
- ***Mathematics for Plumbers and Pipefitters***, Lee Smith, 8th Edition, 2013, www.cengage.com
- **Any standard backflow text.**
- ***Code of Federal Regulations - 29 CFR Part 1926*** (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or https://www.osha.gov/pls/oshaweb/owastand.display_standard_group?p_toc_level=1&p_part_number=1926
- **OR**
- ***Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI***, with latest available amendments, (866) 589-3088, www.psionlinestore.com

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Master Natural Gas Fitter Content Outline

# of Questions	Minimum Passing Score	Time Allowed
40	70%	90 minutes

CONTENT OUTLINE

Topic Information	# of Items
GENERAL PIPING	15
PIPE SIZING/MATH	10
CHIMNEY AND FLUES	5
COMBUSTION	5
APPLIANCES	5

REFERENCE MATERIALS

This examination is OPEN BOOK. Candidates may bring in reference books. However, no study guides are allowed. Reference books may be indexed, and may contain highlighted or underlined text. All materials must be unmarked (not written in) and may not contain additional papers (loose or attached).

THIS REFERENCE WILL NOT BE PROVIDED AT THE TEST CENTER. THESE ARE THE ONLY REFERENCES ALLOWED IN THE TESTING ROOM.

- ***Mathematics for Plumbers and Pipefitters***, Lee Smith, 8th Edition, 2013, www.cengage.com
- ***International Fuel Gas Code*,** 2018, International Code Council, 800-786-4452, shop.iccsafe.org
- ***The Pipe Fitters and Pipe Welders Handbook*** - *Revised Edition*, Thomas Frankland, 1984, www.amazon.com

  Note: either MATHP04 or Pipe Fitters can be used as general reference for math items

You may tab your reference materials using the following acceptable tabs: Avery Swift Tabs Self-Adhesive Permanent Plastic Tabs; Redi-Tag Self-Stick Permanent Adhesive Index Tabs.

The following tabs are unacceptable: Post-It Index Flags; Post-It Flags.

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Journey Natural Gas Fitter Content Outline

# of Questions	Minimum Passing Score	Time Allowed
40	70%	90 minutes

CONTENT OUTLINE

Topic Information	# of Items
GENERAL PIPING	15
PIPE SIZING/MATH	10
CHIMNEY AND FLUES	5
COMBUSTION	5
APPLIANCES	5

REFERENCE MATERIALS

This examination is OPEN BOOK. Candidates may bring in reference books. However, no study guides are allowed. Reference books may be indexed, and may contain highlighted or underlined text. All materials must be unmarked (not written in) and may not contain additional papers (loose or attached).

THIS REFERENCE WILL NOT BE PROVIDED AT THE TEST CENTER. THESE ARE THE ONLY REFERENCES ALLOWED IN THE TESTING ROOM.

- ***Mathematics for Plumbers and Pipefitters***, Lee Smith, 8th Edition, 2013, www.cengage.com
- ***International Fuel Gas Code***, 2018, International Code Council, 800-786-4452, shop.iccsafe.org
- ***The Pipe Fitters and Pipe Welders Handbook*** - *Revised Edition*, Thomas Frankland, 1984, www.amazon.com

Note: either MATHP04 or Pipe Fitters can be used as general reference for math items

You may tab your reference materials using the following acceptable tabs: Avery Swift Tabs Self-Adhesive Permanent Plastic Tabs; Redi-Tag Self-Stick Permanent Adhesive Index Tabs.

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SAMPLE QUESTIONS

The following questions are offered as examples of the **type** of questions you will be asked on the examination. The examples do not represent the full range of content or difficulty levels found in the actual examinations. They are intended to familiarize you with the types of questions you can expect to find in the examinations. (The answer key is found after the question H.)

A. Every plumbing fixture that is directly connected to the drainage system MUST have

1. a liquid seal trap.
2. a vent terminal.
3. an air gap.
4. an overflow.

B. Which of the following is an acceptable trap?

1. p-trap.
2. bell trap.
3. drum trap.
4. crown vented trap.

C. The MINIMUM size of a sink waste outflow is

1. 1 inch.
2. 1 ½ inches.
3. 2 inches.
4. 3 ½ inches.

D. Horizontal copper tube with a 1 ½ -inch diameter must be supported at intervals of AT LEAST

1. 5 feet.
2. 6 feet.
3. 8 feet.
4. 10 feet.

E. The load in fixture units for a clothes washer in a public laundromat is

1. 2
2. 3
3. 4
4. 6

F. A building with a basement MUST have

1. a sub-soil drain.
2. a sump pump.
3. a storm drain.
4. window well drains.

G. The one-cubic-foot hand revolves once in 84 seconds. Gas is passing through the meter at how many cubic feet per hour?

1. 21
2. 40
3. 43
4. 86

H. The inside of a tank is 8 feet long, 4 ½ feet wide, and 6 feet deep. How many gallons of water will it hold?

1. 269.28
2. 1,436.16
3. 1,615.68
4. 1,799.28

Answer Key	
A	**1**
B	**1**
C	**2**
D	**4**
E	**2**
F	**1**
G	**3**
H	**3**