

ASNT NDT LEVEL III - ELECTROMAGNETIC TESTING (ET) EXAM PREPARATION

EXAMINATION HINTS

Our ASNT Level III ET Exam preparatory course is designed to prepare you for exam success and update your professional values. Our online program covers in details and main components of the ASNT Level III ET syllabus (CP 105 2016). This preparatory course is schedule to reveal *the Electromagnetic principle, equipment's, various techniques, applications, interpretation and evaluation, characterization of discontinuities, relevant definitions, formulas, solved problems, sample procedures, applicable codes and standards and also safety* related in ET Level III exam.

Electromagnetic Testing (ET) method primarily covers Eddy Current Testing (ECT) and also includes Remote field testing (RFT) and Alternative Current Field Measurement (ACFM) Techniques.

Our online ASNT Level III ET Exam preparatory course saves *your valuable time and money on travel, food and lodging expenses allows you to study at your own place*, focus on the areas you know you need most, and our multiple practice questions and final mock-up exams will make sure you know what you need to succeed in ET method.

Our ASNT Level III ET preparatory course is *interactive and engaging*. It is an easy to follow and understand format that allows you to study from anywhere if you have an internet access.

In all the ASNT NDT Level III Exams, the questions are of multiple choice only. Select only one correct answer from out of 4 or 5 options (A, B, C, D, E) and click the correct answer during the online test. Please refer the examination coverage given in the table below and understand the importance of the topic in ET method.

Section	No. of questions asked	Min marks required
Eddy Current Testing (ECT)	50-70	70%
Remote field testing (RFT)	20-30	70%
Alternative Current Field Measurement (ACFM)	20-30	70%
Procedure	15	70%
Safety	4 to 5	70%
Total Questions in 4 Hours	135	90 % (Target)

In ET level III examination, around 15 - 20 questions are based on problem solving and related to formula logical questions.

One ET procedure is given in the question booklet which may be utilized for any application (weld or tubes - AWS D1.1, API 1104, ASME Sec V, ASME B3.1/B31.3 etc..) and 15 question are asked from the given procedure.

Here the basic ideology is to make you understand about the specific given procedure requirements in detailed. However, all 15 questions are answered based on the provided procedure and/or its specifications and some questions are direct. Find the suitable correct answer from applicable clauses and few questions are tricky which you have to use relevant formula and/or related tables or charts, practical experience with respect to the given procedure and specification. The passing grade is at least 70 percent.

ASNT ET Level I and II topics also covered in the level III examination. Hence candidate shall have adequate knowledge and experience in ET. (i.e. understanding of the principle, equipments, applications, advantages and disadvantages of each ET technique).

Reading of the ASNT Study Guide line by line and understanding the concepts are sufficient for ASNT ET Exam. No need to read any extra materials for the exam purpose. If you wish to study more in details, you can refer *ASNT NDT Handbook Volume - 5 Electromagnetic-testing* and *ASM Metals Handbook, Volume 17 ECT, RFT & ACFM Part* only.

Our ET Question Bank (QB) contains questions **around 3500 plus** which cover CP 105 2016 syllabus in ET Methods. Also we will provide separate ET formulas and its related solved problems.

Based on our teams and experts experience, important questions are highlighted. (i.e. **around 300 Questions** which covers the entire position of ECT, RFT & ACFM techniques regarding the exam purpose). So in order to pass the ET exam without any fear and difficulty, please go through our study question bank in addition to ASNT Study Guide

Examination administered for qualification should result in a passing composite grade of at least 80 percent, with no individual section having a passing grade less than 70 percent (*Refer the above table*)

Candidates should bring an electronic calculator with a self-contained power supply. A programmable calculator is permitted as long as it does not have an alphanumeric keyboard.

Candidates who speak English as a second language will be permitted to bring a translation dictionary. No electronic dictionaries will be allowed.

Step wise suggestions for Reading:

1. Read the ASNT Level III ET Study Guide book(s) and ONDTs Level III formulated materials line by line and understand the concepts.
2. Read ONDTs Question Banks (QB) and ASNT Questions & Answers Book.

3. Solve and fine the solution for problem-oriented questions given in ONDTs QB and ASNT Questions & Answers Book.
4. Refer **the three (3) set of Model examination** and **the important Questions & Answers** which are highlighted by ONDTs team/expertise and clear the exam easily and upgrade the professional career.

ASNT Level 3 - ET Studies materials list

S.No.	Description	Issued by
1.	ASNT ET Level 3 study guide	Direct
2.	ASNT supplementary ET Q & A	Direct
3.	ASNT Hand book Volume 17 ET Part	Direct
4.	ASNT ET Hand book Volume 5	Direct
5.	ET Syllabus comply with CP 105	Direct
6.	ET Definitions	Only view
7.	ET Short Notes	Only view
8.	ET Formulas	Only view
9.	ET Solved Problems (150+)	Only view
10.	Master Question Bank (3500+)	Only view
11.	Model Examination Paper (3 set)	Protected
12.	Very Important Questions	Protected
13.	Online/class room training based on request by candidate	To be arranged
14.	Reference material if required	Supporting
15.	Applicable ET codes	Supporting
16.	Sample ET procedures	Supporting
17.	ET PPTs, Videos for presentation, if required	Direct
18.	ET Additional books, if required	Direct

ASNT ELECTROMAGNETIC TESTING (ET) LEVEL III EXAMINATION - TOPICAL OUTLINE

This examination is 4 hours in length, having 135 questions of equal value and following contents are covered in the examination.

- **Theory/ Principles**
- **Equipment Materials**
 - Probes
 - Factors affecting choice of sensing elements
 - Read out selection
 - Instrument design considerations
- **Techniques/Calibrations**
 - Factors which affect coil impedance
 - Selection of test frequency
 - Coupling
 - Field strength
- **Interpretation/Evaluation**
- **Procedures**

Please feel free to contact us for any support.

Cheers & all the best for your effective planning and exam

With Regards

S. Vibin Kumar M.Tech NDT

ASNT NDT Level III in RT, ET, MT, PT, VT & ET

ISO 9712 NDT Level III in ET, PAET, TOFD, RT, ET, MT, PT, VT & ET

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