

# Mechanical Fitter Intermediate Trade Test Study Material for Written Test

( Version : IME-SM-EN-01 )



此文件關於機械打磨裝配工中級工藝測試技術知識測試（筆試）內容參考資料。  
如需索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

## Disclaimer

No part of this material may be reproduced or transmitted in any form or by any means without the written permission from the Construction Industry Council (CIC). Whilst reasonable efforts have been made to ensure the accuracy of the information contained in this material, the CIC nevertheless would encourage readers to seek appropriate independent advice from their professional advisers where possible and readers should not treat or rely on this material as a substitute for such professional advice for taking any relevant actions. The CIC will not assume any liability in relation to any loss or damage directly or indirectly resulted from unintended or/and unforeseeable use of this document.

This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails.

The CIC reserves the right, at its sole and absolute discretion, to change, update or delete the contents in this document at any time without prior notice.

The CIC reserves all rights of final interpretation for any content in this document.

## Enquiries

Enquiries on this material may be made to Hong Kong Construction Industry Trade Testing Centre at:

Address: 95 Yue Kwong Road, Aberdeen, Hong Kong

Tel: (852) 2100 9000

Fax: (852) 2100 9090

Email: [hkcittc@cic.hk](mailto:hkcittc@cic.hk)

Website: [www.cic.hk](http://www.cic.hk)

# Mechanical Fitter Intermediate Trade Test

## Study Material for Written Test

This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. One of the specifications of saw blade is the number of teeth within an inch in the blade.
2. To put out electrical fire or fire caused by electrical equipment, it is suitable to use carbon dioxide gas type or dry powder type extinguisher.
3. A common drill bit is made of high-speed steel.
4. When using a hand-held power drill to bore holes, the force to apply while the hole is almost through should be reduced.
5. The best tool for making a smooth hole with accurate size is reamer.
6. To cut hard materials, it is best to use abrasive cut-off machine.
7. The possible cause of breaking of saw blade when sawing steel pipes with a hacksaw is that the saw blade is too tight and thick, and the hacksaw is not in a level position.
8. To choose the speed of drilling machine, it is related to depth of cutting, hardness of work piece and diameter of drill hole.
9. The purpose of using double nuts on the screw is to tightly lock the screw in order to prevent it loose.
10. Operator should not wear cotton gloves when conducting lathe work.
11. Before using a portable power machine tool, it is necessary to check the tool is safe to use in order to ensure work safety.
12. The purpose of guarding of machinery is to avoid injuries.
13. The size of a bench vice is measure by the width of its jaws.
14. Tap and tap wrench will be used to manually make an internal threaded hole (female threads).  
A set of tap consists of 3 threading taps, i.e. single groove, double grooves and no grooves.
15. According to the statutory requirements, all persons entering the construction site should wear a safety helmet and hold valid Green Card.

16. According to Construction Sites (Safety) Regulations, no person should enter a construction site unless he/she is wearing a suitable safety helmet.
17. Poor housekeeping of workplace will mostly be prone to happen of tripping and slipping accident.
18. To ensure work safety, it is inappropriate to consume alcoholic drinks during lunch.
19. If someone is on electrical shock, one should immediately switch off the power.
20. Safety harness should be worn when working at height without a working platform.

**Precautions**

This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails. There are different versions of the test paper, content include but not limited to tools, materials, equipment, drawing, construction details or procedures and different simulated site environments. Candidates should refer to the official test documents during testing.

The CIC reserves the right, at its sole and absolute discretion, to change, update or delete the contents in this document at any time without prior notice.