



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Asphalter (Road Construction) Trade Test Mock Written Test Paper

此文件關於瀝青工(道路建造)工藝測試考題。如有需要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 any means without the written permission of the 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.

Enquiries

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

95, Yue Kwong Road
Aberdeen
Hong Kong

Tel: (852) 2100 9000
Fax: (852) 2100 9090
Email: enquiry@cic.hk
Website: www.cic.hk

1. In general what test is first conducted after asphalt concrete is mixed at the manufacturing plant and before paving on site?
 - (a) Slump test
 - (b) Compressive test (抗壓力測試)
 - (c) Temperature measuring test
 - (d) Aggregate size test

2. According to the Hong Kong civil works construction specifications, the upper and lower limit of levelling error after completion of paving an asphalt road is:
 - (a) 6 mm
 - (b) 16 mm
 - (c) 26 mm
 - (d) 36 mm

3. When conducting asphalt road resurfacing maintenance works, the joint of the newly paved asphalt road and original surface should be:
 - (a) Lumpy
 - (b) Level, straight and uniform (齊口)
 - (c) In a straight line will do
 - (d) Jointed at the convenience of the worker

4. The function of workers spraying different numbers on a gravel (TYPE I) road formation before paving an asphalt road is:
 - (a) Date of paving
 - (b) Levelling height of the ground
 - (c) To indicate the thickness of asphalt materials during paving
 - (d) To indicate the size of the asphalt aggregate

5. During paving of asphalt concrete, how should the worker handle corners or edges which cannot be compacted by heavy machineries?
- (a) No need to bother
 - (b) Tread down with the feet
 - (c) Use tamping rammer (跳鎚) or vibrating plate (震板)
 - (d) Compact with hand tools
6. What should be done before re-paving a layer of asphalt concrete of about 50 mm thick on an old road surface?
- (a) Compact the old subgrade
 - (b) Cover the roadside gully with steel plate
 - (c) Remove the old bulging manhole cover to facilitate work
 - (d) None of the above
7. During planing/paving of asphalt concrete of about 45 mm thick, it is found that the asphalt materials often stick to the bottom plate of the machine during compacting, the worker should:
- (a) Continue to work
 - (b) Immediately stop the work
 - (c) Switch to a smaller roller
 - (d) Sprinkle and continue compacting
8. The purpose of completely compacting each layer of asphalt materials during paving asphalt concrete on a road is:
- (a) A routine to increase confidence of the proprietor
 - (b) To avoid the materials being flushed away by rain
 - (c) To expel all the air in the asphalt materials
 - (d) All of the above

9. Which of the following modes is generally adopted in paving of an asphalt road on a ramp?
- (a) From top down
 - (b) From bottom up
 - (c) Start from the middle
 - (d) Let the worker decide

10. What should be done when the asphalt concrete arrived at the site and the temperature of the material is lower than 80°C?
- (a) Pave immediately to avoid trouble
 - (b) Inform the person-in-charge of the work
 - (c) Instruct the driver to dump as waste material
 - (d) Let the worker decide

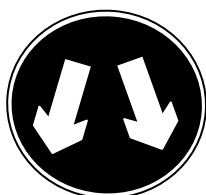
11. The purpose of one or two workers walking and working on both sides of the paving machine (鋪面機) apart from the driver is:
- (a) To monitor the work of the workers
 - (b) To instruct workers not to get close to the machine
 - (c) To control height of material delivery (落料高低) and road width
 - (d) None of the above

12. Please pick the meaning of the road sign below:



- (a) Beware of pedestrians
- (b) Pedestrians crossing
- (c) Road excavation work
- (d) Pedestrians crossing with hand truck

13. Please pick the meaning of the road sign below:



- (a) Two way traffic
- (b) Road closed ahead
- (c) Pass through in a straight line
- (d) Drive pass on both sides of the temporary obstacle

14. Please pick the meaning of the road sign below:



- (a) Hillock ahead
- (b) Object blocking ahead
- (c) Railway passing ahead
- (d) Lumpy road surface ahead

15. Asphalt cement is composed of coarse aggregate, fine aggregate and:

- (a) Cement
- (b) Synthetic resin
- (c) Road tar
- (d) Strong plastic paste (強力膠料油)

16. What material should be sprayed between each layer of asphalt concrete during paving?

- (a) Diesel fuel
- (b) Accelerating admixture (快乾藥水)
- (c) Cement mortar
- (d) Road tar (cold tar)

17. Roads built with asphalt concrete are commonly called as:

- (a) Rigid pavement
- (b) Soft pavement
- (c) Acoustic pavement (防音路面)
- (d) Flexible pavement

18. The definition of work at height means the distance between the work location and the ground is:

- (a) 1 m or above
- (b) 2 m or above
- (c) 3 m or above
- (d) 4 m or above

19. The emergency response when a foreign body enters the eyes is:
- (a) Rub and press the eyes with back of the hand
 - (b) Immediately wear goggles
 - (c) Flush the eyes with water
 - (d) Close the eyes and shout for help
20. What hand tool should be used for general paving of asphalt concrete to avoid injury to the waist?
- (a) Short-handle shovel
 - (b) Long-handle shovel
 - (c) Buggy
 - (d) 5-tine rake (五齒耙)