7907501031 8

City & Guilds

7907-501 MARCH 2018
Level 3 Advanced Technical Diploma in Painting and Decorating (450)
Level 3 Painting and Decorating – Theory exam

If provided, stick your candidate barcode label here.

Wednesday 21 March 2018
09:30 – 11:45

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

- If any additional answer sheets are used, enter the additional number of pages in this box. ➡ 0 0
- Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue pen. Do not** use a pencil or gel pen.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. **Do not** write on the source documents.

***I declare that I had no prior knowledge of the questions in this assessment and that I will not divulge to any person any information about the questions.**

You should have the following for this examination
- a pen with blue or black ink

General instructions
This question paper is the property of City & Guilds Limited and should be returned after the examination.
- This examination contains **25** questions. Answer **all** questions.
- Section A – consists of 10 multiple choice questions, each carrying 1 mark.
  - Indicate your response (a, b, c or d) in the space provided.
- Section B – consists of **15** structured/short answer questions.
  - Answer the questions in the space provided.
  - The marks for each question are shown in brackets.

© City & Guilds Limited
ST00052503 A3 PO4500133494 10360884

Section A

1 What essential information **must** be included in a quote for decorating work? (1 mark)

a) Timescale of work.
b) Risk assessment.
c) All labour and material costs.
d) Protection of fixtures and fittings.

Response: _____

2 What does BIM provide in the design, build and construction process? (1 mark)

a) Timescales of contracts.
b) Risk assessment and method statement model.
c) Procurement of all labour and materials.
d) A collaborative integrated approach.

Response: _____

3 What type of tender is used when a number of selected contractors are invited to bid for a contract? (1 mark)

a) Open.
b) Fixed.
c) Closed.
d) Negotiated.

Response: _____

4 What regulation controls the disposal of white spirit? (1 mark)

a) LOLER.
b) RIDDOR.
c) PUWER.
d) COSHH.

Response: _____

5 What would be the **most** important to consider when deciding to use a ladder? (1 mark)

a) Cost of the ladder.
b) Risk of activity.
c) Type of ladder.
d) Short duration tasks.

Response: _____

6 What should be applied to prevent gold leaf adhering to surrounding areas? (1 mark)

a) Gelatine.
b) Egg glair.
c) Varnish.
d) Gold size.

Response: _____

7 What effect would a flogger produce when graining? (1 mark)

a) Imitate pores.
b) Imitate knots.
c) Imitate light variation in finish.
d) Imitate heavy growth areas.

Response: _____

8 What British Standard 4800 ground colour is **best** suited for Mahogany graining? (1 mark)

a) 00E55.
b) 04D44.
c) 08C35.
d) 12B15.

Response: _____

9 What is the **most** likely cause of an excessive build-up of paint at the beginning and end of each spray pass? (1 mark)

a) Worn tip.
b) Clogged filters.
c) Poor triggering.
d) Incorrect pressure.

Response: _____

10 What is the possible cause of a heavy centred spray pattern, when using an airless spray set up? (1 mark)

a) Arcing of the spray gun.
b) Air pressure too high.
c) Worn fluid spray tip.
d) Paint material too thin.

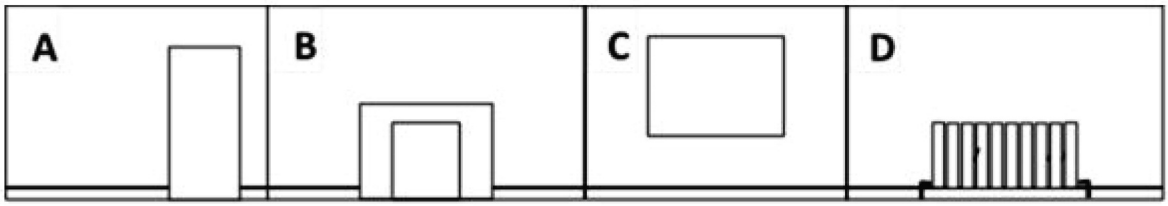
Response: _____

See next page

Section B

11 Describe **two** factors of sustainability. (2 marks)

12 The walls of a domestic living room is to be painted with vinyl silk emulsion. Two coats will be required (behind radiator will also require painting).
Paint coverage = 12 m^2 per litre.
Cost = £35.00 per 5 litre tin and £20.00 per 2.5 litre tin.



Height of room	2.4 m
Wall A	3.9 m
Door area	H 2.0 m X W 0.88 m
Wall B	6.5 m
Fire surround	H 1.1 m X W 1.5 m (external measurements)
Wall C	3.9 m
Window	H 1.2 m X W 1.6 m
Wall D	6.5 m
Radiator	H 0.5 m X L 1.6 m

Figure 1

Using the details, calculate the cost of emulsion for the room. (6 marks)

See next page

13 Describe **two** documents that **must** be provided when applying for planning permission. (4 marks)

14 Explain why a contractor would prefer to provide an estimate to a quote. (2 marks)

15 a) Name **two** types of access equipment that are **best** suited for painting a 10 m linear length of cornice at a height of 3 m. (2 marks)

b) Explain why these are suitable for this situation. (2 marks)

16 Explain the differences between a sole board and a base plate. (2 marks)

17 Identify **two** types of stencil plate materials. (2 marks)

18 Identify **two** processes used when replicating marble. (2 marks)

19 Explain why the recommended feather type is favourable for use in production of marbles. (2 marks)

See next page

20 Summarise how loose gold leaf is applied to an ornate surface? (4 marks)

21 Summarise how to set-out a linear stencil design to produce a horizontal border. (4 marks)

22 Describe the function of **two** parts of an airless spray set-up. (4 marks)

23 Explain how applying airless spray too close to the surface can affect the finished coating. (6 marks)

24 Explain the effect of possible causes of a blocked fluid tip. (4 marks)

See next page

25 The foyer of a bank needs to be decorated. The entrance has a seating area on a 6 m long wall, with a window. All walls have a painted embossed paper. The wall facing the seating wall will need to have a hessian feature. The remaining walls are to be finished with a wide width vinyl. Underneath one end of the window sill a mould growth has appeared due to condensation and the paper is lifting.

The work needs to be carried out at nights and weekends as the area will be used by clients throughout the day.

Measurements: the room is 2.5 m x 6 m and the height is 3 m.

Discuss the stages of work in detail to be followed when decorating the foyer. (12 marks)

Question 25 continued

End of examination