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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2018/2019**

**COURSE NAME : FURNITURE FINISHING AND
PACKAGING**

COURSE CODE : BPP 31003

PROGRAMME CODE : BPP

EXAMINATION DATE : JUNE / JULY 2019

DURATION : 3 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

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TERBUKA

- Q1**
- (a) List **THREE (3)** types of spray gun used in wood finishing. (3 marks)
 - (b) Explain **THREE (3)** spray guns as in **Q1(a)**. (6 marks)
 - (c) Differentiate **TWO (2)** advantages of using dry and water spray booths. (6 marks)
 - (d) Demonstrate **THREE (3)** drying and curing methods in wood finishing. (12 marks)
- Q2**
- (a) State **FIVE (5)** common defects on timber surfaces. (5 marks)
 - (b) Discuss **THREE (3)** defects in timber surfaces with removal method as in **Q2(a)**. (6 marks)
 - (c) Explain the basic of sanding in wood surface preparation. (6 marks)
 - (d) Differentiate **FOUR (4)** the surface characteristics between belt and orbital pad sanding machines. (10 marks)
- Q3**
- (a) Two-component products must be mixed well before use. Identify the mixing ratio of two-component solvent-borne paint by parts. (3 marks)
 - (b) Discuss **TWO (2)** problems and solutions in applying wood finishes. (4 marks)
 - (c) Differentiate **FOUR (4)** characteristics of uncured coatings. (8 marks)
 - (d) Illustrate **THREE (3)** tests to determine the cured coating of wood finishes. (9 marks)

- Q4** (a) Determine **TWO (2)** mechanical strength characteristics of paperboard. (4 marks)
- (b) A common layout for warehouse or chamber fumigation with methyl bromide is as provided in **Figure Q4**. Explain methods for dosing in as in **Figure Q4**. (4 marks)

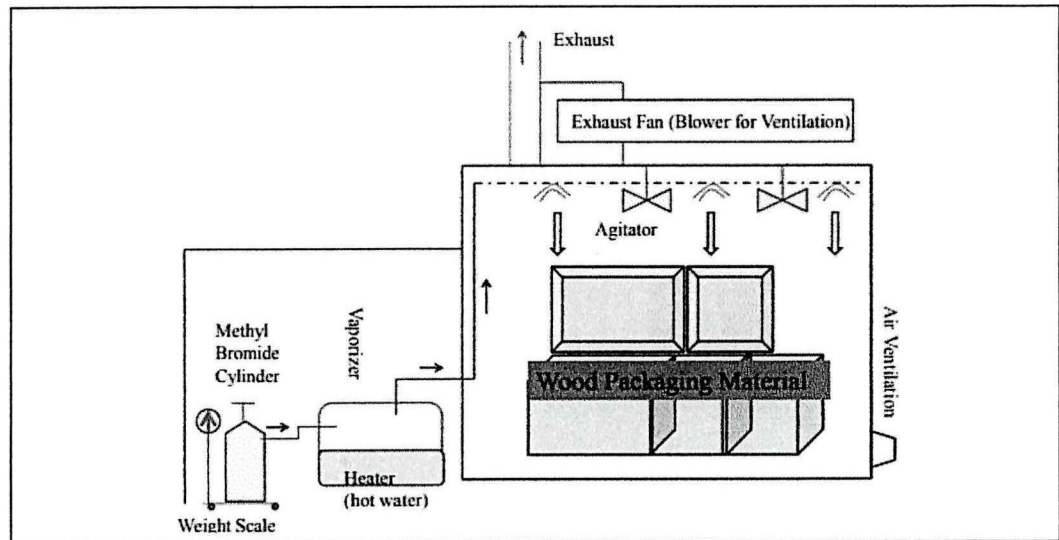


Figure Q4: Common layout of warehouse fumigation

- (c) Demonstrate **FOUR (4)** materials properties used for packaging. (8 marks)
- (d) Discuss **THREE (3)** factors that affecting the packaging design selection. (6 marks)

- END OF QUESTIONS -