

SULIT



**KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI**

**BAHAGIAN PEPERIKSAAN DAN PENILAIAN
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI
KEMENTERIAN PENDIDIKAN TINGGI**

JABATAN KEJURUTERAAN AWAM

PEPERIKSAAN AKHIR

SESI II : 2022/2023

DCW50222: TIMBER TRADE

TARIKH : 6 JUN 2023

MASA : 2.30 PTG – 4.30 PTG (2 JAM)

Kertas ini mengandungi **TUJUH (7)** halaman bercetak.

Bahagian A: Struktur (2 soalan)

Bahagian B: Struktur (4 soalan)

Dokumen sokongan yang disertakan : Lampiran

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIARAHKAN

(CLO yang tertera hanya sebagai rujukan)

SULIT

SECTION A: 50 MARKS
BAHAGIAN A: 50 MARKAH

INSTRUCTION:

This section consists of **TWO (2)** structured questions. Answer **ALL** questions.

ARAHAN:

*Bahagian ini mengandungi **DUA (2)** soalan berstruktur. Jawab **SEMUA** soalan.*

QUESTION 1

SOALAN 1

- CLO1 (a) Identify the role of the Malaysian Timber Council (MTC).
Kenalpasti peranan Majlis Perakayuan Malaysia (MTC).
- [5 marks]
[5 markah]
- CLO1 (b) Countries that are open to trade and investment are more prosperous than countries that restrict individuals' freedom to decide how to spend and invest their money. Describe the importance of trade to the nation.
Negara yang terbuka kepada perdagangan dan pelaburan adalah lebih makmur daripada negara yang menyekat kebebasan individu untuk memutuskan cara membelanjakan dan melabur wang mereka. Huraikan kepentingan perdagangan kepada negara.
- [10 marks]
[10 markah]
- CLO1 (c) There is a variety of regulations and standards that an organization needs to know when planning to do business in Malaysia. Write in the correct sequence the export procedure that are being used.
Terdapat pelbagai peraturan dan piawaian yang perlu diketahui oleh sesebuah organisasi semasa merancang untuk menjalankan perniagaan di Malaysia. Tuliskan dalam turutan yang betul prosedur eksport yang sedang digunapakai.
- [10 marks]
[10 markah]

QUESTION 2**SOALAN 2**

- CLO1 (a) Describe the use of the bill of lading in trade.
Huraikan penggunaan bil muatan dalam perdagangan.
- [5 marks]
[5 markah]
- CLO1 (b) Identify **FIVE (5)** equipment that timber graders used in the timber grading process.
*Kenalpasti **LIMA (5)** peralatan yang digunakan oleh pengred kayu dalam proses pengredan kayu.*
- [10 marks]
[10 markah]
- CLO1 (c) According to the Malaysian Timber Council, the demand for Malaysian timber-based products especially furniture grew, in early 2020 as many people who began working from home started looking for suitable furniture leading to a rise in home construction, repairs, and remodelling. Based on this statement, interpret current issues of wood trade in Malaysia.
Menurut Majlis Perkayuan Malaysia, permintaan terhadap produk berasaskan kayu Malaysia, terutamanya perabot meningkat pada awal tahun 2020 kerana ramai orang mula bekerja dari rumah, mula mencari perabot yang sesuai yang membawa kepada peningkatan dalam pembinaan rumah, pembaikan, dan pengubahsuaian. Berdasarkan kenyataan ini, tafsirkan isu semasa perdagangan kayu di Malaysia.
- [10 marks]
[10 markah]

SECTION B: 50 MARKS
BAHAGIAN B: 50 MARKAH

INSTRUCTION:

This section consists of **FOUR (4)** structured questions. Answer **TWO (2)** questions only.

ARAHAN:

Bahagian ini mengandungi EMPAT (4) soalan berstruktur. Jawab DUA (2) soalan sahaja.

QUESTION 1
SOALAN 1

- CLO1 (a) Differentiate the exporter and importer roles in trade.
Bezakan peranan pengeksport dan pengimport dalam perdagangan.
- [5 marks]
[5 markah]
- CLO1 (b) Trade refers to the exchange of goods and services for money, which can be undertaken within the geographical limits of the countries or beyond the boundaries. Based on this statement, determine two broad categories of trade and its sub-categories.
Perdagangan merujuk kepada pertukaran barangan dan perkhidmatan untuk dapatkan wang, yang boleh dilakukan dalam had geografi negara atau di luar sempadan. Berdasarkan pernyataan ini, tentukan dua kategori utama perdagangan dan sub-kategorinya.
- [10 marks]
[10 markah]
- CLO1 (c) MATRADE (Malaysia External Trade Development Corporation) is one of the agencies under the Ministry of International Trade and Industry (MITI), where MITI is responsible for all policies covering the nation's various industries and foreign trade and energy. Explain the function of MATRADE that relate to the timber trade.
MATRADE (Perbadanan Pembangunan Perdagangan Luar Malaysia) ialah salah satu agensi di bawah Kementerian Perdagangan Antarabangsa dan Industri (MITI), di mana MITI bertanggungjawab ke atas semua dasar yang meliputi pelbagai

industri dan perdagangan asing dan tenaga negara. Terangkan fungsi MATRADE yang berkaitan dengan perdagangan kayu.

[10 marks]

[10 markah]

QUESTION 2

SOALAN 2

CLO1 (a) Identify the International Commercial Terms (Incoterms).

Kenalpasti Istilah Komersial Antarabangsa (Incoterms).

[5 marks]

[5 markah]

CLO1 (b) Nowadays, Incoterms constitute a set of 11 rules. Explain the main classification in Incoterms.

Pada masa kini, Incoterms terdiri dari satu set 11 peraturan. Terangkan klasifikasi utama dalam Incoterms.

[10 marks]

[10 markah]

CLO1 (c) International trade allows countries to expand their markets and access goods and services that otherwise may not have been available domestically. Explain components involved in international trade.

Perdagangan antarabangsa membolehkan negara mengembangkan pasaran mereka dan mengakses barangan dan perkhidmatan yang mungkin tidak tersedia di dalam negara. Terangkan komponen yang terlibat dalam perdagangan antarabangsa.

[10 marks]

[10 markah]

QUESTION 3**SOALAN 3**

- CLO1 (a) General Market Specifications (GMS) rules are for grading boards and planks that are usually re-sawn before use for a wide variety of purposes. Classify grades and grade marks of wood in GMS.

Peraturan Spesifikasi Pasaran Umum (GMS) adalah untuk menilai papan dan kayu yang biasanya digergaji semula sebelum digunakan untuk pelbagai tujuan. Kelaskan gred dan simbol gred kayu bagi GMS.

[5 marks]
[5 markah]

- CLO1 (b) There are two systems used for wood grading: the defect system and the cutting system. Explain the cutting system used in the wood grading process.

Terdapat dua sistem yang digunakan untuk proses pengredan kayu iaitu sistem kecacatan dan sistem potongan. Terangkan sistem potongan yang digunakan dalam proses pengredan kayu.

[10 marks]
[10 markah]

- CLO1 (c) Calculate the grade for wood measuring 8-inch width and 12 feet long with wood defects as shown in Figure Q3(c). Refer to Appendix A.

Kirakan gred untuk kayu berukuran 8 inci lebar dan 12 kaki panjang dengan kecacatan kayu seperti yang ditunjukkan dalam Rajah Q3(c). Rujuk Lampiran A.

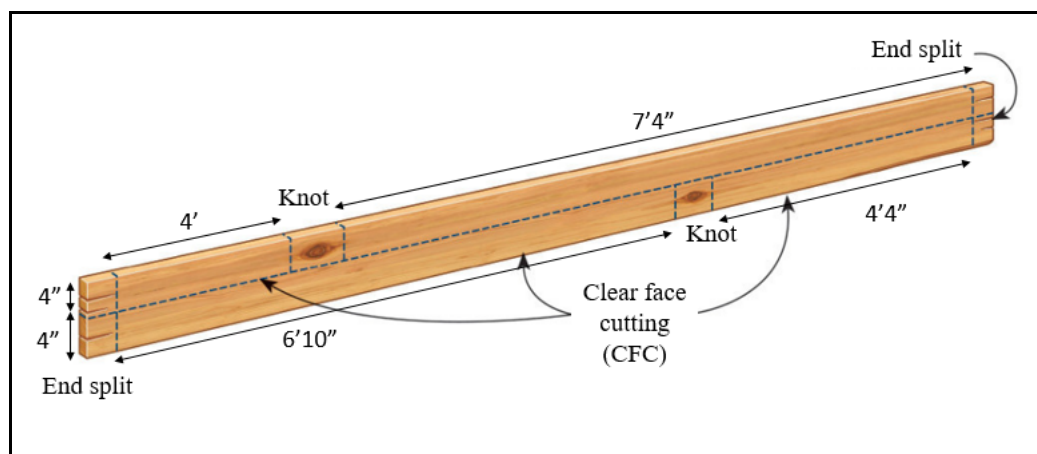


Figure Q3(c) / Rajah Q3(c)

[10 marks]
[10 markah]

QUESTION 4**SOALAN 4**

- CLO1 (a) Give examples of timber products imported by Malaysia.
Berikan contoh produk kayu yang diimport oleh Malaysia.
- [5 marks]
[5 markah]
- CLO1 (b) Explain the timber product certification procedure between Malaysian Standard (MS544) (code of practice for structural use of timber) and British Standard (BS) (structural use of timber).
Terangkan prosedur pensijilan produk kayu di antara Standard Malaysia (MS544) (kod amalan penggunaan struktur kayu) dan Standard British (BS) (penggunaan struktur kayu).
- [10 marks]
[10 markah]
- CLO1 (c) Timber industry is facing numerous issues and challenges to sustain competitiveness in the current economy that is extensively driven by innovation and technological capabilities. Illustrate the current structure of the timber industry in Malaysia.
Industri kayu menghadapi pelbagai isu dan cabaran untuk mengekalkan daya saing dalam ekonomi semasa yang didorong oleh keupayaan inovasi dan teknologi. Ilustrasikan struktur semasa industri kayu di Malaysia.
- [10 marks]
[10 markah]

SOALAN TAMAT

GRADE	(I) PRIME	(II) SELECT	(III) STANDARD	(V) SERVICEABLE
h) Cutting Requirements	<p>*Surface area</p> <p>Percentage clear</p> <p>No. of CFC</p> <p>3 to <5 100% (12/12) 1</p> <p>5 to <8 91 2/3% (11/12) 1</p> <p>8 to <11 83 1/3% (10/12) 1</p> <p>or 91 2/3% (11/12) 2</p> <p>11 to <14 83 1/3% (10/12) 2</p> <p>or 91 2/3% (11/12) 3</p> <p>14 & up 83 1/3% (10/12) 3</p> <p>or 91 2/3% (11/12) 4</p> <p>minimum size of cuttings: 4" x 5" or 5" x 4"</p>	<p>*Surface area</p> <p>Percentage clear</p> <p>No. of CFC</p> <p>2.5 to <3 100% (12/12) 1</p> <p>3 to <5 75% (9/12) 1</p> <p>5 to <8 75% (9/12) 2</p> <p>8 to <11 75% (9/12) 3</p> <p>11 to <14 75% (9/12) 4</p> <p>14 & up 75% (9/12) 5</p> <p>minimum size of cuttings: 4" x 3" or 3" x 4"</p>	<p>*Surface area</p> <p>Percentage clear</p> <p>No. of CFC</p> <p>2.5 to <5 66 2/3% (8/12) 1</p> <p>5 to <8 66 2/3% (8/12) 2</p> <p>8 to <11 66 2/3% (8/12) 3</p> <p>11 to <14 66 2/3% (8/12) 4</p> <p>14 & up 66 2/3% (8/12) 5</p> <p>(CFC includes bright sapwood)</p> <p>minimum size of cuttings: 3" x 3" or 4" x 2"</p>	<p>*Surface area</p> <p>Percentage clear</p> <p>No. of SFC</p> <p>2.5 to <5 66 2/3% (8/12) 1</p> <p>5 to <8 66 2/3% (8/12) 2</p> <p>8 to <11 66 2/3% (8/12) 3</p> <p>11 to <14 66 2/3% (8/12) 4</p> <p>14 & up 66 2/3% (8/12) 5</p> <p>(SFC admits brittle heart)</p> <p>minimum size of cuttings: 3" x 3" or 4" x 2"</p>
i) Grading Requirements	<p>Admits pieces that yield the required percent of CFCs, the portion outside will admit splits as in item 4.6 page 16, and SFC defects</p>	<p>Admits pieces that yield the required percent of CFCs, the portion outside will admit splits as in item 4.6 page 16, and SFC defects</p>	<p>Admits pieces that yield the required percent of CFCs, the portion outside will admit splits as in item 4.6 page 16, SFC defects and SDs not materially affecting the strength of the piece</p>	<p>Admits piece that yields the required percent of SFCs, the portion outside will admit splits as in item 4.6 page 16, wane, brittle heart as in Table above and any SDs not materially affecting the strength of the piece</p>
<p>IV. SOUND (or BHND – Borer Holes No Defect) - As for Prime, Select, and Standard grades except that pin and unstained shot holes are admitted in the cuttings, as defined in Rule 24, item 24.3.</p>				
<p>VI. UTILITY - As for Serviceable grade except that wane is not to exceed one quarter the width of the piece; cuttings will admit any sound defects not materially affecting the strength of the piece.</p>				
<p>* Surface area of piece in square feet</p>				