

SULIT



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

JABATAN KEJURUTERAAN AWAM

PEPERIKSAAN AKHIR

SESI II : 2021/2022

DCW50222: TIMBER TRADE

TARIKH : 27 JUN 2022

MASA : 11.30 PAGI – 1.30 PETANG (2 JAM)

Kertas ini mengandungi **ENAM (6)** halaman bercetak.

Bahagian A: Struktur (3 soalan)

Bahagian B: Esei (1 soalan)

Dokumen sokongan yang disertakan : Ada

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIARAHKAN

(CLO yang tertera hanya sebagai rujukan)

SULIT

SECTION A : 75 MARKS
BAHAGIAN A : 75 MARKAH

INSTRUCTION:

This section consists of **THREE (3)** structured questions. Answer **ALL** the questions.

ARAHAN:

Bahagian ini mengandungi TIGA (3) soalan berstruktur. Jawab SEMUA soalan.

QUESTION 1

SOALAN 1

- CLO1
C2 (a) Explain international trading.
Huraikan perdagangan antarabangsa [5 marks]
[5 markah]
- CLO1
C2 (b) Identify the purposes of business assistance agencies below:
Kenalpasti fungsi agensi – agensi yang membantu dalam perniagaan seperti berikut:
- i. Bank
Bank
 - ii. Insurance agency
Agensi insuran
 - iii. Warehouse company
Syarikat pergudangan
 - iv. Transportation company
Syarikat pengangkutan
 - v. Local authority
Pihak berkuasa tempatan [10 marks]
[10 markah]
- CLO1
C2 (c) There are agencies which are directly involved in wood-based industries in Malaysia. Explain the functions of these agencies;
Terdapat agensi-agensi yang terlibat secara langsung dalam industri perkayuan di Malaysia. Huraikan fungsi – fungsi agensi berikut;
- i. Malaysian Timber Industry Board
Lembaga Perindustrian Kayu Malaysia
 - ii. Forest Research Institute Malaysia
Institut Penyelidikan Perhutanan Malaysia

- iii. Malaysian Timber Council
Majlis Kayu Kayan Malaysia
- iv. Forestry Department of Peninsular Malaysia
Jabatan Perhutanan Semenanjung Malaysia
- v. Malaysian Timber Certification Council
Majlis Pensijilan Kayu Malaysia

[10 marks]
[10 markah]

QUESTION 2**SOALAN 2**

CLO1
C2

- (a) Identify **FIVE (5)** types of information listed in bill of lading.
*Kenalpasti **LIMA (5)** jenis maklumat yang terdapat dalam bil muatan.*

[5 marks]
[5 markah]

CLO1
C3

- (b) Interpret the following items as stated in INCOTERMS:
Huraikan secara terperinci item-item berikut yang terdapat dalam INCOTERMS:

- i. Free Carrier (F.C.A)
- ii. Cost, Insurance & Freight (C.I.F)
- iii. Delivered Duty Paid (D.D.P)
- iv. Cost & Freight (C.F.R)
- v. EXW – Ex Works

[10 marks]
[10 Markah]

CLO1
C3

- (c) Standard of timber products are developed according to the requirement imposed by the importing countries.

Piawaian bagi kayu dan produk kayu dibangunkan sejajar dengan keperluan yang dikenakan oleh negara pengimport.

- i. Interpret the grading authority in Malaysian Grading Rules (MGR).
Terangkan mengenai pihak berkuasa pemeringkatan dalam Pemeringkatan Kayu Malaysia (MGR).

[5 marks]
[5 markah]

- ii. Interpret the timber grader in Malaysian Grading Rules (MGR).
Terangkan mengenai pengred kayu dalam Pemeringkatan Kayu Malaysia (MGR).

[5 marks]
[5 markah]

QUESTION 3**SOALAN 3**CLO1
C2

- (a) Identify **FIVE (5)** transportation that are commonly used in domestic trading.

*Kenalpasti **LIMA (5)** jenis pengangkutan yang biasa digunakan dalam perdagangan tempatan.*

[5 marks]
[5 markah]

CLO1
C3

- (b) Explain the function for each equipment for timber grading listed below:

Terangkan fungsi bagi setiap peralatan yang digunakan oleh pengred kayu seperti disenaraikan di bawah:

- i. Sharp knife
Pisau tajam
- ii. Feeler gauge (0.005 inch)
Tolok feeler (0.005 inci)
- iii. Tally book
Buku perhitungan
- iv. Piece of fine wire
Seutas dawai halus

- v. Copy of the MGR
Senaskah buku MGR

[10 marks]

[10 Markah]

CLO1
C3

- (c) Interpret the timber product certifications listed below:

Huraikan secara terperinci pensijilan produk kayu seperti di bawah:

- i. Malaysian Standard (MS)
- ii. British Standard (BS)
- iii. Japanese Industrial Standard (JIS)
- iv. Japanese Agriculture Standard (JAS)
- v. Malaysian Timber Certification Scheme (MTCS)

[10 marks]

[10 markah]

SECTION B : 25 MARKS

BAHAGIAN B : 25 MARKAH

INSTRUCTION:

This section consists of **ONE (1)** essay question. Answer **ALL** question.

ARAHAN:

*Bahagian ini mengandungi **SATU (1)** soalan esei. Jawab **SEMUA** soalan.*

QUESTION 1

SOALAN 1

CLO1
C3

- (a) International commercial terms (INCOTERMS), developed in 1936 by the International Chamber of Commerce (ICC) in Paris. INCOTERMS are standard contract terms used in importing/exporting sales contracts between importer and exporter. Interpret the responsibility of importer and exporter in the international trading.

Istilah-istilah komersial antarabangsa (INCOTERMS), dibangunkan pada tahun 1936 oleh Dewan Perdagangan Antarabangsa (ICC) di Paris. INCOTERMS adalah istilah-istilah kontrak yang standard digunakan dalam kontrak jualan

pengimpotan/pengekspotan di antara pengimport dan pengeksport. Terangkan secara terperinci tanggungjawab pengimport dan pengeksport dalam perdagangan antarabangsa.

[10 marks]

[10 markah]

CLO1
C3

- (b) Calculate the clear face cutting and grade a piece of wood with 9" width and 16' length which contains the following defects:

Kirakan jumlah potongan muka bersih dan peringkatkan sekeping papan yang berukuran 9" lebar dan 16' panjang yang mengandungi cacat-cacat berikut:

9" x 7' 6"	i)	4" x 6'6"
	ii)	5" x 8'

i) Knot

ii) Borer holes

i) *Buku*ii) *Lubang penggerek*

[15 marks]

[15 markah]

SOALAN TAMAT

GRADE	(I) PRIME	(II) SELECT	(III) STANDARD	(IV) SERVICEABLE
h) Cutting Requirements	*Surface area 3 to <5 100% (12/12) 5 to <8 91 2/3% (11/12) 8 to <11 83 1/3% (10/12) or 91 2/3% (11/12) 11 to <14 83 1/3% (10/12) or 91 2/3% (11/12) 14 & up 83 1/3% (10/12) or 91 2/3% (11/12)	*Surface area 2.5 to <3 3 to <5 5 to <8 8 to <11 11 to <14 14 & up	*Surface area 2.5 to <5 5 to <8 8 to <11 11 to <14 14 & up (CFC includes bright sapwood)	*Surface area 2.5 to <5 5 to <8 8 to <11 11 to <14 14 & up (SFC admits brittle heart)
i) Grading Requirements	minimum size of cuttings: 4" x 5' or 5" x 4'	minimum size of cuttings: 4" x 3' or 3" x 4'	minimum size of cuttings: 3" x 3' or 4" x 2'	minimum size of cuttings: 3" x 3' or 4" x 2'
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.			
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. * Surface area of piece in square feet			

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

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

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

Admits pieces that yield 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

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