

SULIT



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

JABATAN KEJURUTERAAN AWAM

PEPERIKSAAN AKHIR

SESI JUN 2018

DCW2082: TIMBER TRADE

TARIKH : 31 OKTOBER 2018

MASA : 2.30 PETANG - 4.30 PETANG (2 JAM)

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

Bahagian A: Struktur (2 soalan)

Bahagian B: Struktur (4 soalan)

Dokumen sokongan yang disertakan : Table Grading Requirements for GMS

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** the questions.

ARAHAN:

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

QUESTION 1
SOALAN 1

CLO1
C1

- (a) Name **FIVE (5)** items in trading concept.

Namakan LIMA (5) item dalam konsep perdagangan.

[5 marks]
[5 markah]

CLO1
C3

- (b) Illustrate the current structure of timber industry in Malaysia according to NATIP.

Gambarkan struktur semasa bagi industri perkayuan di Malaysia menurut NATIP.

[10 marks]
[10 markah]

CLO1
C3

- (c) Interpret **FIVE (5)** information which is required in an indent.

Huraikan LIMA (5) maklumat yang diperlukan dalam inden.

[10 marks]
[10 markah]

QUESTION 2
SOALAN 2CLO1
C1

(a) Identify the main target in the Third Industrial Master Plan (IMP3).

Kenalpasti sasaran utama dalam Pelan Induk Perindustrian Ketiga (IMP3).

[5 marks]

[5 markah]

CLO1
C2

(b) Briefly explain the following business documentation;

Terangkan secara ringkas dokumen perniagaan berikut;

- i. indent
inden
- ii. invoice export
eksport invois
- iii. consular invoice
invois konsular
- iv. receipt
resit

[10 marks]

[10 markah]

CLO1
C3

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

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

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

[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.

ARAHAN:

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

QUESTION 1**SOALAN 1**

CLO1
C2

- (a) Describe **FIVE (5)** out of the **SEVEN** thrust in the National Timber Industry Policy (NATIP) 2009 – 2020.

Huraikan LIMA (5) daripada TUJUH teras yang terdapat dalam Dasar Perindustrian Kayu Negara (NATIP) 2009 – 2020.

[10 marks]
[10 markah]

CLO1
C3

- (b) There are agencies which directly involved in wood based industries in Malaysia. Interpret the functions of these agencies;

Terdapat agensi-agensi yang terlibat secara langsung dalam industri perkayuan di Malaysia. Huraikan fungsi – fungsi agensi berikut;

- i. Sabah Forestry Development Authority.
Lembaga Kemajuan Perhutanan Negeri Sabah.
- ii. Malaysian Timber Industry Board.
Lembaga Perindustrian Kayu Malaysia.
- iii. Forest Research Institute Malaysia.
Institut Penyelidikan Perhutanan Malaysia.
- iv. Malaysian Timber Council.
Majlis Kayu Kayan Malaysia.
- v. Malaysian Timber Certification Council.
Majlis Pensijilan Kayu Malaysia.

[15 marks]
[15 markah]

QUESTION 2
SOALAN 2CLO1
C2

(a) Briefly explain the components of international trade as below;

Terangkan secara ringkas komponen dalam perdagangan antarabangsa yang berikut;

- i. exporter
pengekspor
- ii. importer
pengimport
- iii. consumer
pengguna
- iv. dealer
pengedar

[10 marks]
[10 markah]

CLO1
C3

(b) The procedures of import and export differ from country to country, depending on the import policy, statutory requirement and customs of different countries and it is controlled by the government. List down the import and export procedures.

Prosedur import dan eksport berbeza di antara negara-negara, bergantung kepada dasar import, keperluan akta dan kastam dari negara-negara yang berlainan dan ia dikawal oleh kerajaan. Senaraikan prosedur import dan eksport.

[15 marks]
[15 markah]

QUESTION 3

SOALAN 3

CLO1
C2

- (a) Describe the wood grading procedure in a cutting system.

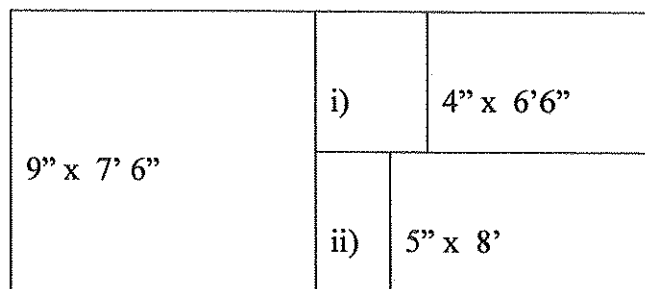
Huraikan tatacara pemeringkatan kayu di bawah sistem potongan.

[10 marks]

[10 markah]

CLO1
C3

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

Kirakan jumlah potongan muka bersih dan peringkatkan sekeping papan yang berukuran 19" lebar dan 16' panjang yang mengandungi cacat-cacat berikut:i) knot.
*buku.*ii) borer holes.
lubang penggerek.

[15 marks]

[15 markah]

QUESTION 4
SOALAN 4CLO1
C2

(a) Identify the following timber product export in Malaysia;

Kenalpasti eksport produk kayu di Malaysia yang berikut;

- i. **FIVE (5)** major timber products export.
LIMA (5) eksport utama produk kayu.
- ii. **FIVE (5)** major destinations of timber products export.
LIMA (5) destinasi utama eksport bagi produk kayu.

[10 marks]
[10 markah]CLO2
C3

(b) Explain the current issues of the wood based trade in Malaysia as given below;

Terangkan isu semasa dalam industri kayu di Malaysia yang berikut;

- i. the sustainability of the wood materials supply.
bekalan sumber kayu yang mapan.
- ii. foreign labor.
pekerja asing.
- iii. legality, environment and chemical certification.
pensijilan perundangan, persekitaran dan bahan kimia.

[15 marks]
[15 markah]**SOALAN TAMAT**

GRADE	(I) PRIME	(II) SELECT	(III) STANDARD	(V) SERVICEABLE
h) Cutting Requirements	*Surface area 3 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up Percentage clear 100% (12/12) 91 2/3% (11/12) 83 1/3% (10/12) or 91 2/3% (11/12) 83 1/3% (10/12) or 91 2/3% (11/12) 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 Percentage clear 100% (12/12) 75% (9/12) 75% (9/12) 75% (9/12) 75% (9/12) 75% (9/12)	*Surface area 2.5 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up Percentage clear 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) (CFC includes bright sapwood)	*Surface area 2.5 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up Percentage clear 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) 66 2/3% (8/12) (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"
	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, 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 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
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				