

SULIT



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

JABATAN KEJURUTERAAN AWAM

**PEPERIKSAAN AKHIR
SESI DISEMBER 2015**

DCW2082: TIMBER TRADE

**TARIKH : 05 APRIL 2016
MASA : 11.15 AM – 1.15 PM (2 JAM)**

Kertas ini mengandungi **TUJUH (7)** halaman bercetak.
Bahagian A: Subjektif (2 soalan)
Bahagian B: Subjektif (4 soalan)

Dokumen sokongan yang disertakan : Lampiran A

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
C1

(a) Describe the term 'trades'.

Terangkan maksud 'perdagangan'.

[5 marks]

[5 markah]

CLO1
C3

(b) The following agencies are directly involved in wood based industries. List the functions of these agencies.

Agensi-agensi yang terlibat berikut terlibat secara langsung dalam industri perkayuan. Senaraikan fungsi-fungsi agensi tersebut.

- i. Sabah Forestry Development Authority
Lembaga Kemajuan Perhutanan Negeri Sabah
- ii. Malaysia Timber Industry Board
Lembaga Perindustrian Kayu Malaysia
- iii. Forest Research Institute Malaysia
Institut Penyelidikan Perhutanan Malaysia

[10 marks]

[10 markah]

CLO1
C3 (c) List the **TEN (10)** export procedures.

Senaraikan SEPULUH (10) prosedur eksport.

[10 marks]

[10 markah]

QUESTION 2
SOALAN 2

CLO1
C1 (a) List **FIVE (5)** industrial resource-based manufacturing sectors in the Third Industrial Master Plan (IMP3) by the Malaysian Government.

Nyatakan LIMA (5) sektor pembuatan industri berasaskan sumber dalam Pelan Induk Perindustrian Ketiga (PIP3) oleh Kerajaan Malaysia.

[5 marks]

[5 markah]

CLO1
C2 (b) Identify the **FOUR (4)** business documentations and **SIX (6)** transportation documentations in the import export trading.

Kenalpasti EMPAT (4) dokumentasi perniagaan dan ENAM (6) dokumentasi pengangkutan yang terdapat dalam perdagangan import eksport.

[10 marks]

[10 markah]

CLO1
C3 (c) List **FIVE (5)** equipment used in timber grading and its function.

Senaraikan LIMA (5) bagi setiap peralatan yang digunakan oleh pengred kayu dan fungsinya.

[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
C2 (a) The National Timber Industry Policy (NATIP) contains seven pillars that are instrumental for generating growth in the industry.

Dasar Perindustrian Kayu Negara (NATIP) mengandungi tujuh tonggak yang memainkan peranan untuk menjana perkembangan dalam industri.

i. Explain NATIP.

Terangkan NATIP.

ii. Restate the outline **SEVEN (7)** thrusts of NATIP.

Senaraikan TUJUH (7) teras NATIP.

[10 marks]

[10 markah]

CLO1
C3 (b) List **TEN (10)** strategic thrusts and **FIVE (5)** industrial resource-based manufacturing sectors in the Industrial Master Plan 3 (IMP3) by the Malaysian Government.

Senaraikan SEPULUH (10) teras strategik dan LIMA (5) sektor pembuatan industri berasaskan sumber dalam Pelan Induk Perindustrian Ketiga (PIP3) oleh Kerajaan Malaysia.

[15 marks]

[15 markah]

QUESTION 2
SOALAN 2

CLO1
C2

(a) Identify **TEN (10)** types of transportation that are commonly used in domestic trading.

*Kenalpasti **SEPULUH (10)** pengangkutan yang biasa digunakan dalam perdagangan tempatan.*

[10 marks]

[10 markah]

CLO1
C3

(b) Interpret the following items as stated in INCOTERMS® :

Tafsirkan item-item berikut seperti yang terdapat dalam INCOTERMS®:

- i. EXW – Ex Works
- ii. F.C.A
- iii. C.I.F
- iv. D.D.P
- v. C.F.R

[15 marks]

[15 markah]

QUESTION 3
SOALAN 3

CLO1
C2

(a) Describe **SIX (6)** grades and grade marks of wood in the General Market Specifications.

*Huraikan **ENAM (6)** gred dan simbol gred kayu bagi Spesifikasi Pasaran Umum.*

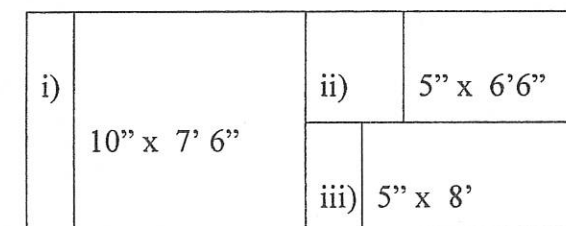
[12 marks]

[12 markah]

CLO1
C3

(b) Calculate the Clear Face Cutting (CFC) for a piece of wood measuring 10" in width and 16' in length with the following defects (Refer to **LAMPIRAN A**):

*Kirakan Muka Potongan Bersih (CFC) sekeping kayu berukuran 10" lebar dan 16" panjang yang mempunyai kecacatan seperti berikut (Rujuk **LAMPIRAN A**):*



- i. end split ii) borer hole iii) knot
- pecah hujung lubang penggerek buku kayu*

[13 marks]

[13 markah]

QUESTION 4
SOALAN 4

CLO1
C2

(a) Identify the **FIVE (5)** major exported timber products and **FIVE (5)** major imported timber products in Malaysia.

*Kenalpasti **LIMA (5)** produk kayu utama yang dieksport dan **LIMA (5)** produk kayu utama yang diimport di Malaysia.*

[10 marks]

[10 markah]

CLO1
C3

(b) List **FIVE (5)** timber product standards with relevant explanation.

*Senaraikan **LIMA (5)** piawai produk kayu dengan penerangan yang relevan*

[15 marks]

[15 markah]

SOALAN TAMAT

LAMPIRAN A

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 minimum size of cuttings: 4" x 5' or 5' x 4'	*Surface area 2.5 to < 3 3 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up minimum size of cuttings: 4" x 3' or 3" x 4'	*Surface area 2.5 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up (CFC includes bright sapwood) minimum size of cuttings: 3" x 3' or 4" x 2'	*Surface area 2.5 to < 5 5 to < 8 8 to < 11 11 to < 14 14 & up (SFC admits brittle heart) minimum size of cuttings: 3" x 3' or 4" x 2'
i) Grading Requirements	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)	Percentage clear 100% (12/12) 75% (9/12) 75% (9/12) 75% (9/12) 75% (9/12) 75% (9/12)	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)	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)
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 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			