

INSTRUCTIONS:

This section consists of **FOUR (4)** essay questions. Answer all questions.

ARAHAN:

Bahagian ini mengandungi EMPAT (4) soalan esei. Jawab semua soalan.

QUESTION 1**SOALAN 1**

- CLO1
C1 (a) Define singeing in preparation process.
Takrifkan singeing dalam proses persediaan.
- [2 marks]
[2 markah]
- CLO1
C1 (b) i. Compare the open width and rope form in textile wet processing.
Bandingkan open width dan rope form dalam textile wet processing.
- [4 marks]
[4 markah]
- CLO1
C2 ii. Desizing is an important process to be applied in preparation process. Describe **FIVE (5)** types of desizing that are normally used.
Desizing adalah proses terpenting yang digunakan dalam proses persediaan, terangkan LIMA (5) jenis desizing yang sering digunakan.
- [10 marks]
[10markah]
- CLO1
C3 (c) You are about to build your own garment printing company. Illustrate your company structure using vertical organization structure concept and explain the reason why this structure is the most suitable to be apply on your company used.
Anda dalam proses membangunkan sebuah syarikat percetakan pakaian. Lakarkan struktur syarikat anda menggunakan konsep vertical organization structure, dan jelaskan mengapa struktur tersebut paling sesuai digunakan.
- [9 marks]
[9 markah]

QUESTION 2
SOALAN 2

- CLO1
C1 (a) Draw the chemical structure of reactive dye and describe the properties.
Lukiskan struktur kimia bagi pencelup reaktif dan terangkan sifatnya.
- [5 marks]
[5 markah]
- CLO1
C2 (b) Compare transfer printing and digital printing in terms of design, fabric material, time consumption, process and cost.
Bandingkan cetakan pindah dan cetakan digital dari segi rekacorak, material fabrik, masa proses penghasilan dan kos.
- [10 marks]
[10 markah]
- CLO1
C3 (c) Illustrate the dyeing curve process for polyester fibre and disperse dye and explain the process.
Lakarkan lengkungan proses pencelupan bagi serat polyester dan pencelup disperse dan terangkan proses tersebut.
- [10 marks]
[10 markah]

QUESTION 3
SOALAN 3

- CLO1
C1 (a) List **THREE (3)** types of standard light in colour matching process.
Senaraikan TIGA (3) jenis standard cahaya proses padanan warna.
- [3 marks]
[3 markah]
- CLO1
C2 (b) Describe the visible light using your own words.
Terangkan visible light menggunakan ayat anda sendiri.
- [5 marks]
[5 markah]
- CLO1
C3 (c) Illustrate a diagram of raising process and explain the problem that normally occurs on the fabric after going through the process.
Lakarkan gambarajah proses raising dan jelaskan masalah yang sering berlaku ke atas fabric setelah melalui proses tersebut.
- [8 marks]
[8 markah]
- CLO1
C4 (d) Identify a finishing treatment that can prevent dirt from sticking to the fabric and to make it easier to remove the dirt from the fabric. Explain the finishing treatment concept with an appropriate diagram.
Kenalpasti satu rawatan kemasan yang boleh mengelakkan kotoran dari melekat ke dalam fabric dan memudahkan kotoran dibuang dari fabrik. Jelaskan konsep kemasan tersebut dengan gambarajah yang bersesuaian.
- [9 marks]
[9 markah]

QUESTION 4
SOALAN 4

- CLO1
C1 (a) List **FOUR (4)** categories of chemical waste.
Senaraikan EMPAT (4) kategori kimia buangan.
- [4 marks]
[4 markah]
- CLO1
C2 (b) i. Describe the characteristics of surface water in water sources.
Terangkan ciri – ciri surface water dalam sumber air.
- [4 marks]
[4 markah]
- CLO1
C2 ii. Describe the effects of using hard water or unsuitable water in textile processing.
Terangkan kesan penggunaan hard water atau air yang tidak bersesuaian dalam textile processing.
- [8 marks]
[8 markah]
- CLO1
C3 (c) Illustrate the flow process of a water treatment in textile industry and explain the process.
Lakarkan proses alir bagi rawatan air dalam industri tekstil dan terangkan proses tersebut.
- [9 marks]
[9 markah]

SOALAN TAMAT