

POLITEKNIK
Jabatan Pengajian Politeknik

UNIT PEPERIKSAAN DAN PENILAIAN
JABATAN PENGAJIAN POLITEKNIK
(KEMENTERIAN PENGAJIAN TINGGI)

JABATAN KEJURUTERAAN MEKANIKAL

PEPERIKSAAN AKHIR
SESI DISEMBER 2011

J4283: BASIC PRINTING

TARIKH : 25 APRIL 2012
MASA : 2 JAM (8:30 AM – 10:30 AM)

Arahan:

1. Kertas soalan ini mengandungi **ENAM (6)** soalan sahaja
2. Calon-calon dikehendaki menjawab **EMPAT (4)** soalan sahaja
3. Setiap soalan membawa 25 markah

Kertas soalan ini mengandungi (5) muka surat bercetak tidak termasuk muka hadapan

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

- iii. Green light and Blue light (2 marks)
- iv. Red light and Blue light and Green light (2 marks)

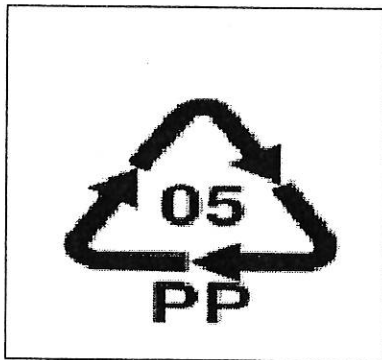
QUESTION 3

Figure 1

- a) Based on Figure 1,
- i. Explain the meaning of the symbol above? (4 marks)
- ii. Name the plastic polymer involved in the symbol. (2 marks)
- b) Based on the answer in 3b)(ii), lists 3(THREE) properties and 3(THREE) common packaging applications for this plastic polymer. (6 marks)
- c) Elaborate on thermoplastic. Please give examples in your answer. (8 marks)
- d) Lists 5(FIVE) basic processes to form polymer products or parts. (5 marks)

QUESTION 5

- a) Elaborate on printing defects . (3 marks)
- b) Explain the elements in printing defects below.
- i. Size
 - ii. Shape
 - iii. Colour
 - iv. Lines (12 marks)
- c) Explained briefly 5 types of printing defects. (10 marks)

QUESTION 6

- a) Define prepress in printing. (5 marks)
- b) Postpress operations consist of four major processes. Lists this 4(FOUR) major processes involved. (4 marks)
- c) Define Ink (4 marks)
- d) In printing there are 2 category of inks, standard ink and specialty ink. Lists 6(SIX) types of printing inks that you know. (12 marks)