SAMPEL PERCUMA

Kertas Trial STPM Semester 1 Kimia Terengganu 2024

Set penuh: Kertas Percubaan STPM

Sem 1 · Kimia

Sampel ini: 4 muka surat. Set penuh ada:

- 2 fail PDF
- Semester 1: kertas percubaan (trial) negeri, subjek yang dipilih + skema
- Blueprint 30 hari Semester 1 (setiap subjek)
- Semester 3: percubaan 2024, 10 subjek, banyak negeri, soalan + skema dalam satu fail

RM12.90

BELI SET PENUH RM12.90 >

nightmew.com/p/stpm · FPX semua bank · download sejurus lepas bayar

Sampel bermula di muka surat sebelah

KEMENTERIAN PENDIDIKAN
JABATAN PENDIDIKAN NEGERI TERENGGANU

STPM 2024

PEPERIKSAAN PERCUBAAN SEMESTER 1

CHEMISTRY

962/1

Nama :.....

Kelas :.....

DIBIAYAI OLEH KERAJAAN NEGERI TERENGGANU

Tidak dibenarkan menyunting atau mencetak mana-mana bahagian dalam modul ini tanpa kebenaran Pengarah Pendidikan Negeri Terengganu

ANJAKAN MUAFAKAT NEKAD

Name : …… **NRIC : ……**

962/1 **STPM 2024**

MODUL PERKEMBANGAN PEMBELAJARAN 1

CHEMISTRY

PAPER 1

1 Hour 30 Minutes

Instructions to candidates:

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE ALLOWED TO DO SO.

*Answer **all** questions in* Section A.

*Answer **all** questions in* Section B.

Answer **two** *questions only in* Section C.

All working should be shown. For numerical answers, units should be quoted wherever appropriate.

Answers may be written in either English or Malay.

Fill in your personal details.

Arahan kepada calon:

JANGAN BUKA KERTAS SOALAN INI SEHINGGA ANDA DIBENARKAN BERBUAT DEMIKIAN.

*Jawab **semua** soalan dalam Bahagian* A.

*Jawab **semua** soalan dalam Bahagian* B.

Jawab **dua** *soalan sahaja dalam Bahagian* C.

Semua kerja hendaklah ditunjukkan. Bagi jawapan berangka, unit hendaklah dinyatakan di mana-mana yang sesuai.

Jawapan boleh ditulis dalam bahasa Inggeris atau bahasa Melayu.

Isi maklumat diri anda.

This question paper consists of **10** printed pages

Section A [15 marks]

*Answer **all** questions.*

Indicate the correct answer on the Multiple-choice Answer Sheet provided.

1 The relative molecular mass of methane is 16. What is the mass, in grams, of one molecule of methane?

A $16 \times 6.0 \times 10^{23}$ **C** $\frac{1}{16 \times 6.0 \times 10^{23}}$

B $\frac{6.0 \times 10^{23}}{16}$ **D** $\frac{16}{6.0 \times 10^{23}}$

2 A sample of oxygen gas that contains oxygen-16 and oxygen-18 isotopes was analyzed in a mass spectrometer. How many peaks will be found in the mass spectrum?

A 2 **B** 4 **C** 5 **D** 6

3 The proton numbers of four atoms are given as follows:

Element	S	P	Ar	F
Proton number	16	15	18	9

Which of these atoms **does not** contain unpaired electrons in the ground state?

A Sulphur
B Phosphorus
C Argon
D Fluorine

4 What is the maximum number of electrons that can be filled in the atomic orbitals at the energy level n = 3?

A 2 **B** 6 **C** 10 **D** 18

5 Which of the following statements is true about the Lyman and Balmer series?

A The intensity decreases as the frequency increases.
B The converging frequency for both series is the same.
C The line spectra for both series are formed in the visible light range.
D The spacing between the lines increases as the frequency increases.

6 A solid X has the following properties:

(i) Melting point : 100 ^{o}C
(ii) Solubility : Readily soluble in benzene
(iii) Conductivity : Non-conductor of electricity in the molten state

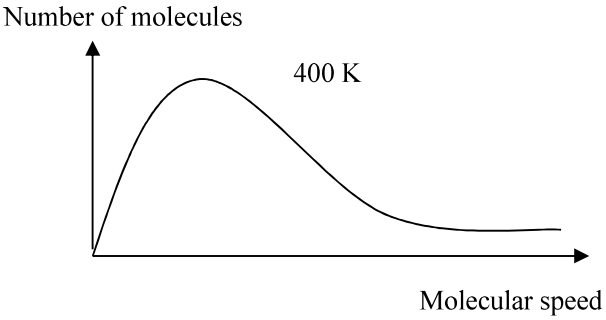
It can be inferred that solid X is

A An ionic compound.
B A simple covalent compound.
C A giant covalent compound.
D A semiconductor.

7 Magnesium is a conductor of electricity but diamond is an insulator. This is because

A the conduction band of magnesium overlaps with its valence band.
B the valence band of magnesium is filled with electrons.
C the conduction band of diamond is empty.
D the energy gap between the valence band and the conduction band of diamond is very small.

8 The following graph shows the distribution of molecular speeds for a sample of carbon dioxide gas at 400 K.



Which of the following will happen when the sample is heated?

A The distribution shifts to the left.
B The height of the peak decreases.
C The area under the curve increases.
D The average kinetic energy of the molecules remains the same.

9 Which statements below regarding vapor pressure **is not** correct?

A The substance with the stronger intermolecular forces has the lower vapour pressure.
B Vapour pressure increases with increasing temperature.
C Seawater has a higher vapour pressure at a given temperature than pure water.
D Boiling occurs at the temperature when the vapour pressure equals to the external pressure.

TAMAT SAMPEL

Suka sampel ini?

Set penuh: Kertas Percubaan STPM

Sem 1 · Kimia

Sampel ini: 4 muka surat. Set penuh ada:

- 2 fail PDF
- Semester 1: kertas percubaan (trial) negeri, subjek yang dipilih + skema
- Blueprint 30 hari Semester 1 (setiap subjek)
- Semester 3: percubaan 2024, 10 subjek, banyak negeri, soalan + skema dalam satu fail

RM12.90

BELI SET PENUH RM12.90 >

nightmew.com/p/stpm · FPX semua bank · download sejurus lepas bayar