LEMBAGA PEPERIKSAAN
KEMENTERIAN PENDIDIKAN MALAYSIA

SIJIL PELAJARAN MALAYSIA 2014 1511/1

SCIENCE
Kertas 1
Nov./Dis.

$1\frac{1}{4}$ jam **Satu jam lima belas minit**

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

1. *Kertas soalan ini adalah dalam dwibahasa.*
2. *Soalan dalam bahasa Inggeris mendahului soalan yang sepadan dalam bahasa Melayu.*
3. *Calon dikehendaki membaca maklumat di halaman belakang kertas soalan ini.*

Kertas soalan ini mengandungi 36 halaman bercetak.

[*Lihat halaman sebelah*

1 Diagram 1 shows the impulse pathway.
Rajah 1 *menunjukkan laluan impuls.*

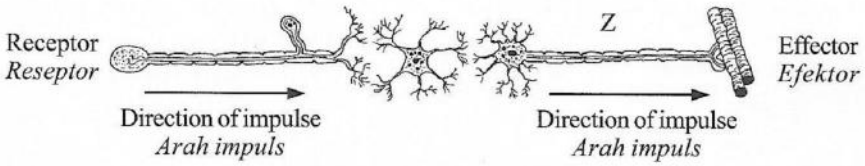

Diagram 1
Rajah 1

What will happen if neurone Z is malfunctioning?
Apakah yang akan berlaku jika neuron Z tidak berfungsi?

A Impulse cannot be interpreted
Impuls tidak dapat ditafsir

B Impulse is sent back to receptor
Impuls dihantar balik ke reseptor

C Effector is unable to carry out response
Efektor tidak dapat melaksanakan gerak balas

D Receptor and effector function as normal
Reseptor dan efektor berfungsi secara normal

2 Diagram 2 shows the human nervous system which control body coordination.
Rajah 2 menunjukkan sistem saraf manusia yang mengawal koordinasi badan.

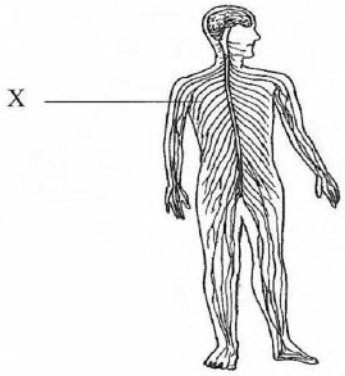

Diagram 2
Rajah 2

What is X?
Apakah X?

A Brain
Otak

B Spinal cord
Saraf tunjang

C Spinal nerves
Saraf spina

D Cranial nerves
Saraf kranium

3 Which statement is correct about hormones?
Penyataan manakah yang betul tentang hormon?

A Cause short term effects
Menyebabkan kesan jangka pendek

B Target organ is specific
Organ sasaran adalah khusus

C Secreted by ductless glands
Dirembeskan oleh kelenjar tanpa duktus

D Information is transmitted in the form of electrical signal
Maklumat dihantar dalam bentuk isyarat elektrik

4 What is the effect of depressant drugs on body coordination?
Apakah kesan dadah penenang ke atas koordinasi badan?

A Damages the brain
Merosakkan otak

B Increases metabolic rate
Meningkatkan kadar metabolisme

C Activates nervous system
Mengaktifkan sistem saraf

D Slows down responses toward stimuli
Melambatkan gerak balas terhadap rangsangan

5 Diagram 3 shows the production of gamete
Rajah 3 menunjukkan penghasilan gamet.

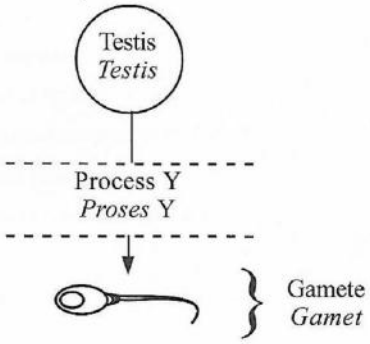

Diagram 3
Rajah 3

What is Y?
Apakah Y?

A Mitosis
Mitosis

B Meiosis
Meiosis

C Mutation
Mutasi

D Fertilisation
Persenyawaan

6 Diagram 4 shows the sex determination in human.

Rajah 4 menunjukkan penentuan seks pada manusia.

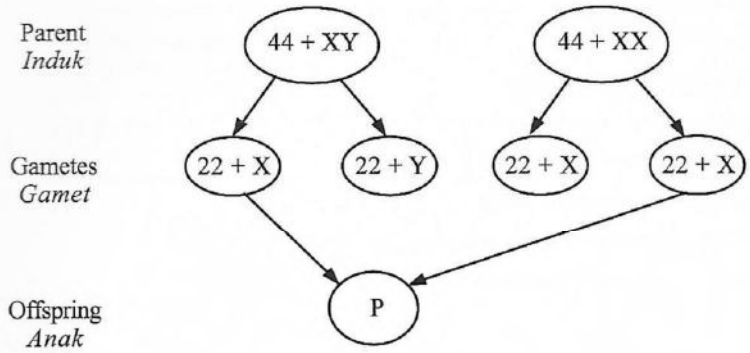

Diagram 4
Rajah 4

What is the genotype and phenotype for P?

Apakah genotip dan fenotip bagi P?

	Genotype ***Genotip***	**Phenotype** ***Fenotip***
A	44 + XX	Female *Perempuan*
B	44 + XY	Male *Lelaki*
C	44 + XX	Male *Lelaki*
D	44 + XY	Female *Perempuan*

7 What are the characteristics of a child with Down's syndrome?
Apakah ciri-ciri seorang kanak-kanak sindrom Down?

A Tall and thin
Tinggi dan kurus

B White hair and round face
Rambut putih dan muka bulat

C Colour blind and white skin
Buta warna dan kulit putih

D Slanting eyes and mentally retarded
Mata sepet dan terencat akal

8 Diagram 5 shows changes in the state of matter.
Rajah 5 menunjukkan perubahan keadaan jirim.

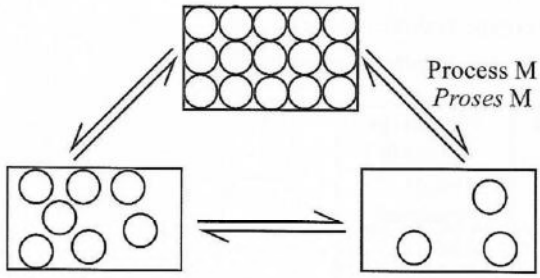

Diagram 5
Rajah 5

What is process M?
Apakah proses M?

A Boiling
Pendidihan

B Melting
Peleburan

C Sublimation
Pemejalwapan

D Condensation
Kondensasi

9 Table 1 shows properties of a subatomic particles.
Jadual 1 *menunjukkan ciri-ciri bagi zarah-zarah subatom.*

Subatomic particles ***Zarah-zarah subatom***	X	Y	Z
Charge ***Cas***	+1	0	–1

Table 1
Jadual 1

What is X, Y and Z?
Apakah X, Y *dan* Z?

	X	Y	Z
A	Proton *Proton*	Electron *Elektron*	Neutron *Neutron*
B	Proton *Proton*	Neutron *Neutron*	Electron *Elektron*
C	Neutron *Neutron*	Proton *Proton*	Electron *Elektron*
D	Electron *Elektron*	Neutron *Neutron*	Proton *Proton*

10 The number of neutron of an atom is 10 and the nucleon number is 19.
What is the number of proton of the atom?
Bilangan neutron suatu atom ialah 10 *dan nombor nukleonnya ialah* 19.
Berapakah bilangan proton bagi atom itu?

A 9
B 10
C 19
D 29

11 The following information shows the uses of metal S.
Maklumat berikut menunjukkan kegunaan logam S.

- Storage container for radioactive substances
  Bekas penyimpanan bahan radioaktif
- Used in car batteries
  Digunakan dalam bateri kereta

What is metal S?
Apakah logam S?

A Tin
Timah

B Lead
Plumbum

C Zinc
Zink

D Copper
Kuprum

12 Which statement is correct about endothermic reaction?
Penyataan manakah yang betul tentang tindak balas endotermik?

A Heat is absorbed
Haba diserap

B Occurs in the production of ammonia
Berlaku dalam penghasilan ammonia

C Dissolving sodium hydroxide in water
Melarutkan natrium hidroksida dalam air

D Temperature of surroundings increases
Suhu persekitaran meningkat

13 Diagram 6 shows the result of an experiment to study the reactivity of metal P, Q and R towards oxygen.

Rajah 6 menunjukkan keputusan suatu eksperimen untuk mengkaji kereaktifan logam P, Q *dan* R *terhadap oksigen.*

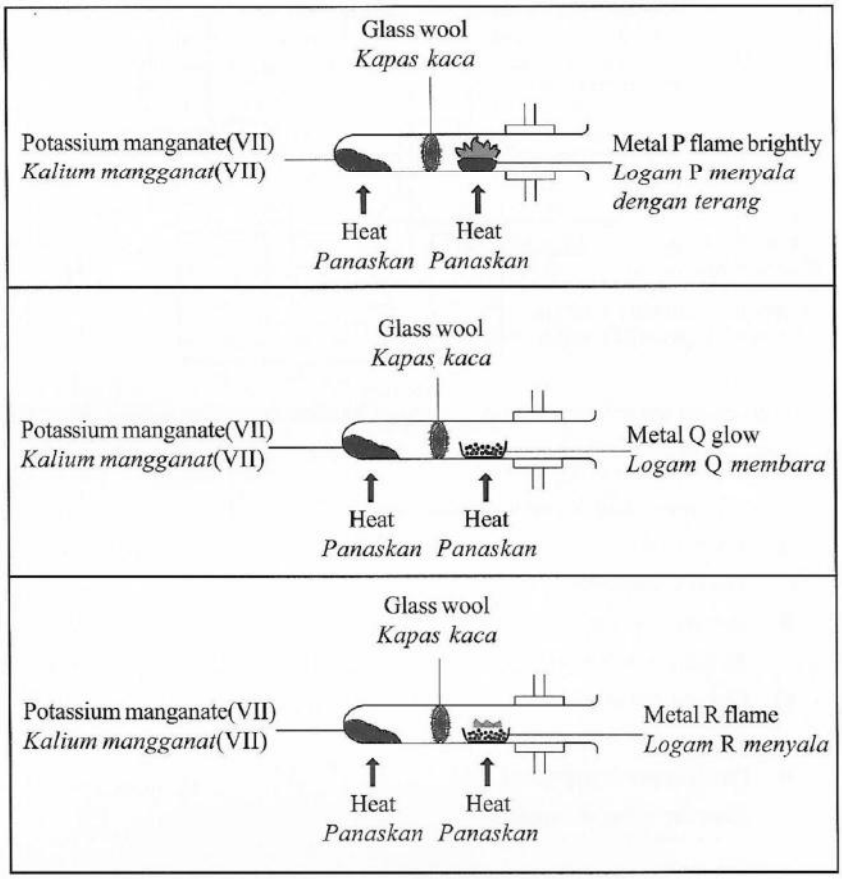

Diagram 6
Rajah 6

Which is the correct descending order of reactivity of metals towards oxygen?

Urutan manakah yang betul tentang kereaktifan logam terhadap oksigen mengikut tertib menurun?

A P, Q, R

B P, R, Q

C R, Q, P

D R, P, Q

[*Lihat halaman sebelah*

14 Diagram 7 shows the purification process of metal.
Rajah 7 menunjukkan proses penulenan logam.

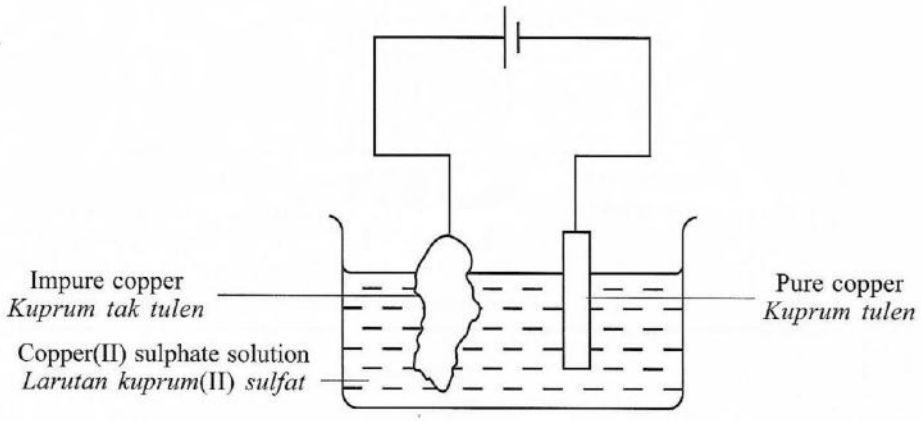

Diagram 7
Rajah 7

What will happen to the anode?
Apakah yang akan berlaku kepada anod?

A No change
Tiada perubahan

B Becomes thinner
Menjadi lebih nipis

C Oxygen gas is released
Gas oksigen dibebaskan

D Pure copper is deposited
Kuprum tulen dienapkan

15 Table 2 shows the result of an experiment to study the production of electrical energy by a simple cell.

Jadual 2 menunjukkan keputusan eksperimen bagi mengkaji penghasilan tenaga elektrik oleh sel ringkas.

Pair of electrode ***Pasangan elektrod***	**Condition of bulb** ***Keadaan mentol***
Magnesium and copper *Magnesium dan kuprum*	Very bright *Sangat terang*
Zinc and copper *Zink dan kuprum*	Bright *Terang*
Copper and copper *Kuprum dan kuprum*	Does not light up *Tidak menyala*

Table 2
Jadual 2

What will happen to the condition of the bulb if both electrodes are magnesium?

Apakah yang akan berlaku kepada keadaan mentol jika kedua-dua elektrod adalah magnesium?

A Dim

Malap

B Bright

Terang

C Very bright

Sangat terang

D Does not light up

Tidak menyala

16 Diagram 8 shows radioactive radiation passing through an electric field.
Rajah 8 menunjukkan sinaran radioaktif melalui satu medan elektrik.

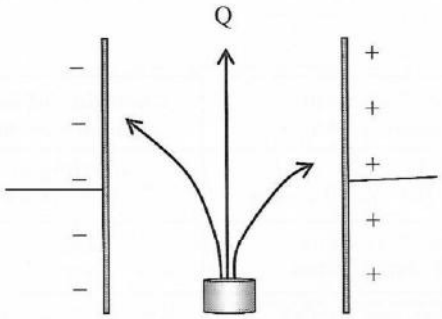

Diagram 8
Rajah 8

What is the characteristic of Q?
Apakah ciri Q?

A Low speed
Kelajuan rendah

B Negatively charged
Bercas negatif

C High penetrating power
Kuasa penembusan tinggi

D Can be stopped by aluminium sheet
Boleh dihentikan oleh kepingan aluminium

17 What is the process that occurs in the nuclear reactor for generating electrical energy?

Apakah proses yang berlaku di dalam reaktor nuklear untuk penjanaan tenaga elektrik?

A Nuclear fusion

Pelakuran nuklear

B Nuclear fission

Pembelahan nuklear

C Radioactive decay

Pereputan radioaktif

D Radioactive radiation

Sinaran radioaktif

18 What is the purpose of using a film badge while handling radioactive substance?

Apakah tujuan menggunakan lencana filem semasa mengendalikan bahan radioaktif?

A To maintain good health

Mengekalkan kesihatan yang baik

B To protect human skin from radioactive radiation

Melindungi kulit manusia daripada sinaran radioaktif

C To avoid direct contact with the radioactive substance

Mengelakkan sentuhan secara langsung dengan bahan radioaktif

D To detect the level of exposure to radioactive radiation

Mengesan tahap pendedahan kepada sinaran radioaktif

19 Which characteristic of the image is formed by a plane mirror?
Ciri imej manakah yang dihasilkan oleh cermin satah?

A Real
Nyata

B Inverted
Songsang

C Laterally inverted
Songsang sisi

D Smaller than object
Lebih kecil daripada objek

20 Diagram 9 shows the structure of a camera.
Rajah 9 menunjukkan struktur bagi sebuah kamera.

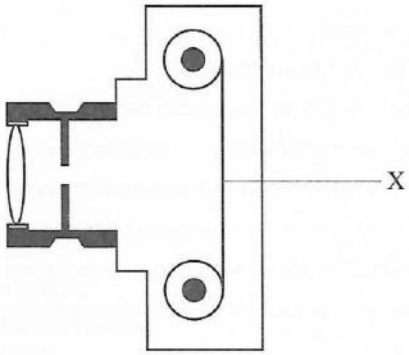

Diagram 9
Rajah 9

Which part of human eye has the similar function with X?
Bahagian manakah pada mata manusia mempunyai fungsi yang sama dengan X?

A Iris
Iris

B Pupil
Anak mata

C Retina
Retina

D Cornea
Kornea

21 Which phenomenon shows the effect of the dispersion of light?
Fenomena manakah yang menunjukkan kesan penyebaran cahaya?

A Rainbow
Pelangi

B Blue sky
Kebiruan langit

C Red sunset
Kemerahan matahari terbenam

D Stage lighting
Pencahayaan pentas

22 Diagram 10 shows an alloy.
Rajah 10 *menunjukkan satu aloi.*

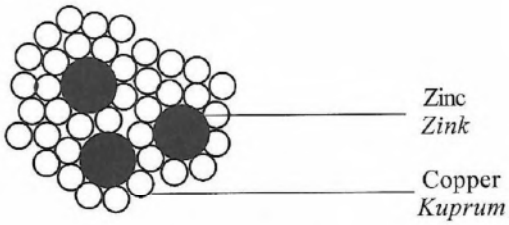

Diagram 10
Rajah 10

What is the alloy?
Apakah aloi itu?

A Brass
Loyang

B Steel
Keluli

C Bronze
Gangsa

D Pewter
Piuter

23 What is the effect of industrial waste disposal into the river?

Apakah kesan pembuangan bahan sisa industri ke dalam sungai?

A Greenhouse effect

Kesan rumah hijau

B Change of water pH

Perubahan dalam pH *air*

C Thinning of ozone layer

Penipisan lapisan ozon

D Increase the oxygen content in water

Peningkatan kandungan oksigen dalam air

24 Which microorganism can only be seen by using electron microscope?

Mikroorganisma manakah yang hanya boleh diperhatikan dengan menggunakan mikroskop elektron?

A Algae

Alga

B Fungi

Kulat

C Virus

Virus

D Protozoa

Protozoa

25 Which statement is correct about the uses of microorganisms?
Penyataan manakah yang betul tentang penggunaan mikroorganisma?

A Virus help in decaying process
Virus menolong dalam proses pereputan

B Yeast are able to fix nitrogen to nitrate
Yis boleh mengikat nitrogen kepada nitrat

C Protozoa produced antibiotic penicillin
Protozoa menghasilkan antibiotik penisilin

D Bacteria help herbivores to digest cellulose
Bakteria membantu herbivor untuk menghadam selulosa

26 Which of the following is the most suitable to sterilize wound?
Antara yang berikut, yang manakah paling sesuai untuk mensteril luka?

A Antiseptic
Antiseptik

B Disinfectant
Disinfektan

C Ultraviolet ray
Sinaran ultraungu

D Gamma ray
Sinaran gama

27 Table 3 shows calorific value for three types of food.
Jadual 3 menunjukkan nilai kalori bagi tiga jenis makanan.

Type of food *Jenis makanan*	**Calorific value (kJ/g)** *Nilai kalori* (kJ/g)
Egg *Telur*	6·12
Bread *Roti*	10·12
Milk *Susu*	2·72

Table 3
Jadual 3

Ali takes 150 g egg, 150 g bread and 200 g milk.
What is the total calorific value that he takes?
Ali mengambil 150 g *telur*, 150 g *roti dan* 200 g *susu.*
Apakah jumlah nilai kalori yang diambilnya?

A 18·9 kJ
B 500 kJ
C 518 kJ
D 2980 kJ

28 The following information shows the diseases of a man caused by unhealthy eating habit.

Maklumat berikut menunjukkan penyakit-penyakit seorang lelaki disebabkan oleh tabiat pemakanan yang tidak sihat.

- Hypertension
  Tekanan darah tinggi
- Arteriosclerosis
  Arteriosklerosis
- Stroke
  Strok

Which food is suitable for this man?

Makanan manakah yang sesuai diambil oleh lelaki ini?

A Lamb soup
Sup kambing

B Steamed fish
Ikan stim

C Beef meat burger
Burger daging

D Fried rice with chicken
Nasi goreng dan ayam

29 Which element is a macronurient?

Unsur manakah adalah makronutrien?

A Iron
Besi

B Zinc
Zink

C Boron
Boron

D Calcium
Kalsium

30 Diagram 11 shows the roots of a leguminous plant.
Rajah 11 *menunjukkan akar tumbuhan kekacang.*

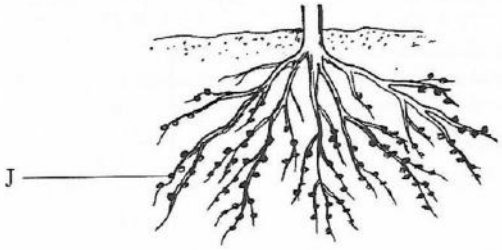

Diagram 11
Rajah 11

What is the role of microorganism in J?
Apakah peranan mikroorganisma dalam J?

A Fix nitrogen to nitrate
Mengikat nitrogen kepada nitrat

B Convert nitrite to nitrate
Menukar nitrit kepada nitrat

C Convert nitrate to nitrogen
Menukar nitrat kepada nitrogen

D Decompose ammonium compound to nitrite
Mengurai sebatian ammonium kepada nitrit

31 Diagram 12 shows part of a carbon cycle.

Rajah 12 *menunjukkan sebahagian kitar karbon.*

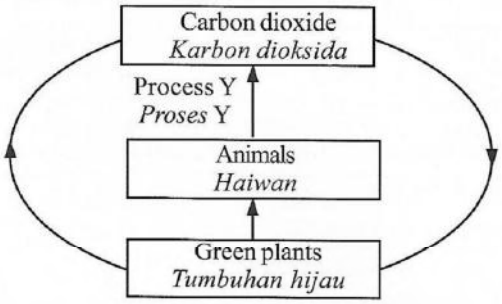

Diagram 12
Rajah 12

What is process Y?

Apakah proses Y?

A Photosynthesis
Fotosintesis

B Respiration
Respirasi

C Evaporation
Sejatan

D Transpiration
Transpirasi

32 Which phenomenon is directly related to chlorofluorocarbon (CFC)?

Fenomena manakah yang dikaitkan secara langsung dengan klorofluorokarbon (CFC)?

A Haze
Jerebu

B Ozone depletion
Penipisan ozon

C Global warming
Pemanasan global

D Greenhouse effect
Kesan rumah hijau

[*Lihat halaman sebelah*

33 Which activity contributes to the preservation and conservation of environment?

Aktiviti manakah yang menyumbang kepada pemeliharaan dan pemuliharaan alam sekitar?

A Reforestation

Penghutanan semula

B Reclaim the river bank

Menambak tebing sungai

C Build a fish pond

Bina kolam ikan

D Open new housing area

Membuka kawasan perumahan baru

34 The following word equation shows a chemical reaction.

Persamaan perkataan berikut menunjukkan suatu tindak balas kimia.

Glucose / *Glukosa*	$\xrightarrow{\text{Yeast / } Yis}$	Ethanol / *Etanol*	+	Carbon dioxide / *Karbon dioksida*

What is the reaction?

Apakah tindak balas itu?

A Polymerisation

Pempolimeran

B Dehydration

Pendehidratan

C Fermentation

Penapaian

D Esterification

Pengesteran

35 Choose the correct characteristic of saturated fat and unsaturated fat.
Pilih ciri yang betul tentang lemak tepu dan lemak tak tepu.

	Saturated fat ***Lemak tepu***	**Unsaturated fat** ***Lemak tak tepu***
A	Originated from plant *Berasal daripada tumbuhan*	Originated from animal *Berasal daripada haiwan*
B	Solid at room temperature *Pepejal pada suhu bilik*	Liquid at room temperature *Cecair pada suhu bilik*
C	Low melting points *Takat lebur rendah*	High cholesterol *Kolesterol tinggi*
D	Low cholesterol *Kolesterol rendah*	High melting points *Takat lebur tinggi*

36 Diagram 13 shows a cross-section of an oil palm fruit.
Which part, **A**, **B**, **C** or **D** can produce kernel oil?
Rajah 13 *menunjukkan keratan rentas buah kelapa sawit.*
Antara bahagian **A**, **B**, **C** *dan* **D**, *yang manakah boleh menghasilkan minyak isirung?*

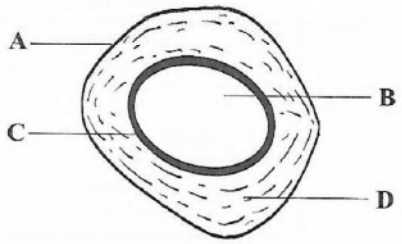

Diagram 13
Rajah 13

37 A mechanic finds that his shirt is stained with grease.

What should he used to clean the shirt?

Seorang mekanik mendapati bajunya telah dikotori oleh gris.

Apakah yang perlu dia gunakan untuk membersihkan baju itu?

A Soap

Sabun

B Acid

Asid

C Salt

Garam

D Alcohol

Alkohol

38 Choose the correct match between polymer and its monomer.

Pilih padanan yang betul antara polimer dan monomernya.

	Polimer ***Polimer***	**Monomer** ***Monomer***
A	Starch *Kanji*	Isoprene *Isoprena*
B	Protein *Protein*	Amino acid *Asid amino*
C	Natural rubber *Getah asli*	Methyl methacrylate *Metil metakrilat*
D	Perspex *Perspeks*	Glucose *Glukosa*

39 Diagram 14 shows a cyclist starts cycling from R to S.

Rajah 14 *menunjukkan seorang pelumba basikal memulakan kayuhan dari* R *ke* S.

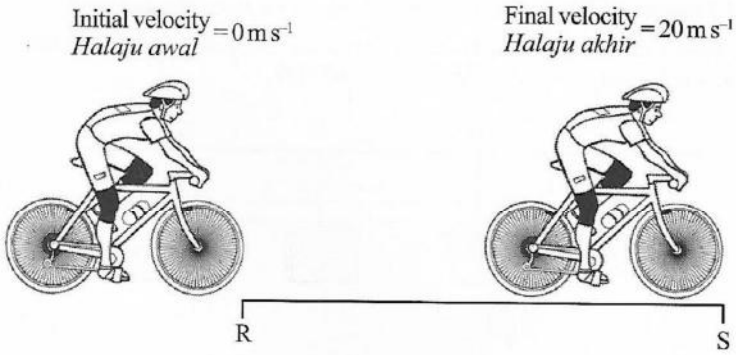

Diagram 14
Rajah 14

The time taken is 4 seconds.

What is the acceleration?

$$\left[\text{Acceleration} = \frac{\text{Final velocity - Initial velocity}}{\text{Time}}\right]$$

Masa yang diambil adalah 4 *saat.*

Berapakah pecutannya?

$$\left[\textit{Pecutan} = \frac{\textit{Halaju akhir - Halaju awal}}{\textit{Masa}}\right]$$

A $5\,m\,s^{-2}$

B $16\,m\,s^{-2}$

C $24\,m\,s^{-2}$

D $80\,m\,s^{-2}$

40 Diagram 15 shows four iron blocks with the same mass being hung.

Which block, **A**, **B**, **C** or **D** produces the lowest pressure on the sand after the string is cut?

Rajah 15 *menunjukkan empat blok besi yang sama jisim digantung.*

Antara bongkah **A**, **B**, **C** *dan* **D**, *yang manakah akan menghasilkan tekanan yang paling rendah ke atas pasir selepas tali dipotong?*

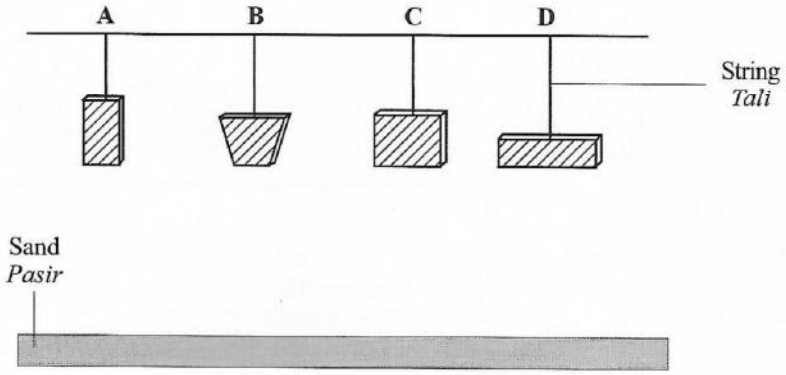

Diagram 15
Rajah 15

41 Diagram 16 shows a box placed on a table.

Rajah 16 menunjukkan sebuah kotak diletakkan di atas meja.

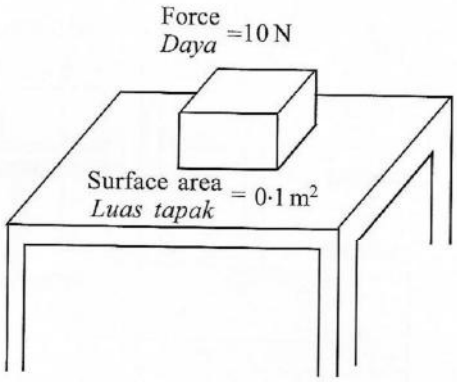

Diagram 16
Rajah 16

What is the pressure exerted by the box?

$$\left[\text{Pressure} = \frac{\text{Force}}{\text{Area}}\right]$$

Berapakah tekanan yang dikenakan oleh kotak itu?

$$\left[\textit{Tekanan} = \frac{\textit{Daya}}{\textit{Luas}}\right]$$

A $1{\cdot}0\,\text{N m}^{-2}$

B $9{\cdot}9\,\text{N m}^{-2}$

C $10{\cdot}1\,\text{N m}^{-2}$

D $100{\cdot}0\,\text{N m}^{-2}$

42 Diagram 17 shows a hydraulic jack used to lift up a vehicle.

Rajah 17 menunjukkan suatu jek hidraulik digunakan untuk mengangkat sebuah kenderaan.

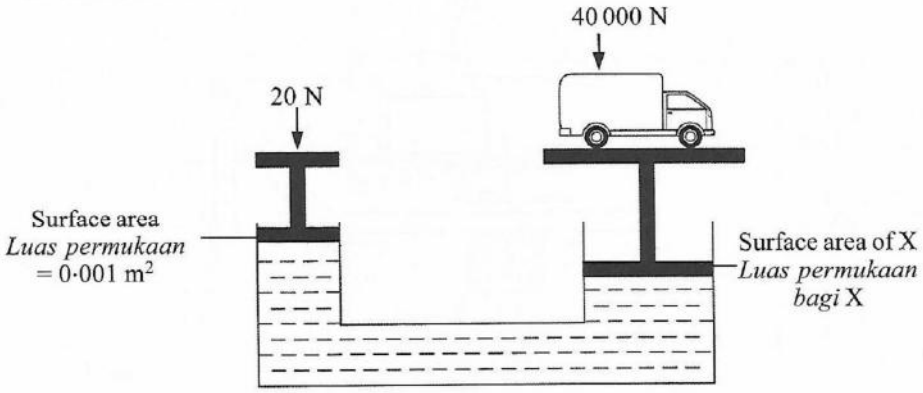

Diagram 17
Rajah 17

Calculate the surface area of X.

$$\left[\text{Pressure} = \frac{\text{Force}}{\text{Surface Area}}\right]$$

Hitung luas permukaan bagi X.

$$\left[\textit{Tekanan} = \frac{\textit{Daya}}{\textit{Luas permukaan}}\right]$$

A $2\,m^2$

B $40\,m^2$

C $2\,000\,m^2$

D $20\,000\,m^2$

43 Diagram 18 shows a type of drink.

Rajah 18 *menunjukkan sejenis minuman.*

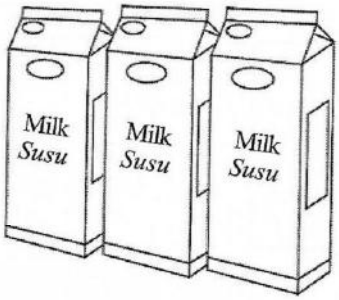

Diagram 18
Rajah 18

Which method should be used in order to preserve the flavour and nutrient of the drink?

Kaedah manakah yang patut digunakan untuk mengekalkan rasa dan nutrien bagi minuman itu?

A Canning
Pengetinan

B Freezing
Penyejukbekuan

C Irradiation
Penyinaran

D Pasteurisation
Pempasteuran

44 Diagram 19 shows selective breeding of paddy.
Rajah 19 *menunjukkan pembiakbakaan bagi padi.*

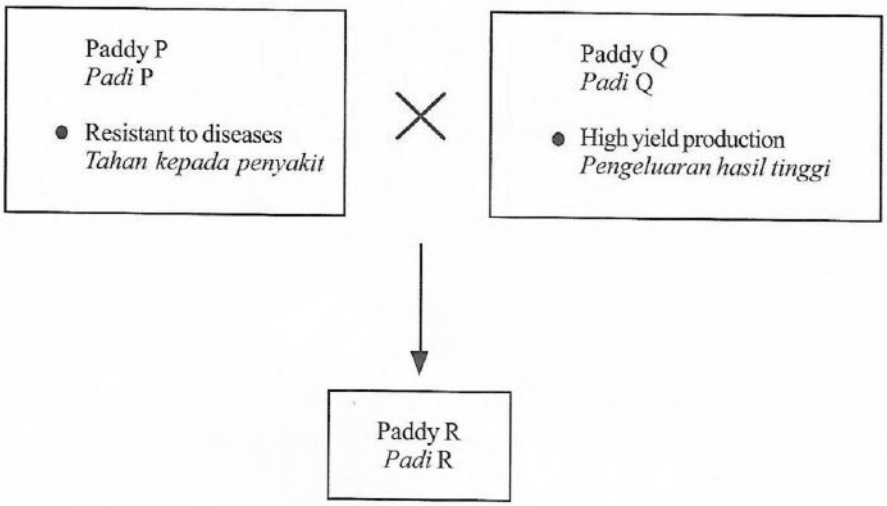

Diagram 19
Rajah 19

What are the characteristics of paddy R?
Apakah ciri-ciri yang terdapat pada padi R?

A High yield production and resistant to diseases
Pengeluaran hasil tinggi dan tahan kepada penyakit

B High yield production but not resistant to diseases
Pengeluaran hasil tinggi tetapi tidak tahan kepada penyakit

C Low yield production but resistant to diseases
Pengeluaran hasil rendah tetapi tahan kepada penyakit

D Low yield production and not resistant to diseases
Pengeluaran hasil rendah dan tidak tahan kepada penyakit

45 A house wife went to a supermarket to buy fresh milk on the 3 March 2014.
Which fresh milk should she buy?

Seorang suri rumah telah pergi ke pasar raya untuk membeli susu segar pada 3 Mac 2014.
Susu segar manakah yang patut dibelinya?

A
FRESH MILK
SUSU SEGAR
Expiry date :05.02.2014
Tarikh luput

B
FRESH MILK
SUSU SEGAR
Expiry date :10.02.2014
Tarikh luput

C
FRESH MILK
SUSU SEGAR
Expiry date :02.04.2014
Tarikh luput

D
FRESH MILK
SUSU SEGAR
Expiry date :02.03.2014
Tarikh luput

46 Diagram 20 shows a change in molecular structure of perspex.
Rajah 20 menunjukkan suatu perubahan pada struktur molekul perspeks.

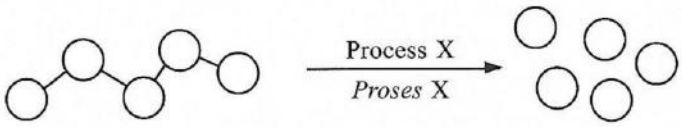

Diagram 20
Rajah 20

What is process X?
Apakah proses X?

A Fermentation
Penapaian

B Vulcanisation
Pemvulkanan

C Esterification
Pengesteran

D Depolymerisation
Penyahpolimeran

47 What is the characteristic of thermoplastic?
Apakah ciri termoplastik?

A Can be repeatedly melted and solidified
Boleh dileburkan dan dikeraskan berulang kali

B Remain solid at high temperature
Kekal pepejal pada suhu tinggi

C Withstand towards organic solvents
Tahan terhadap pelarut organik

D Can be moulded once
Boleh diacu sekali sahaja

48 Diagram 21 shows the method of disposing the synthetic polymers.
Rajah 21 *menunjukkan kaedah melupus polimer sintetik.*

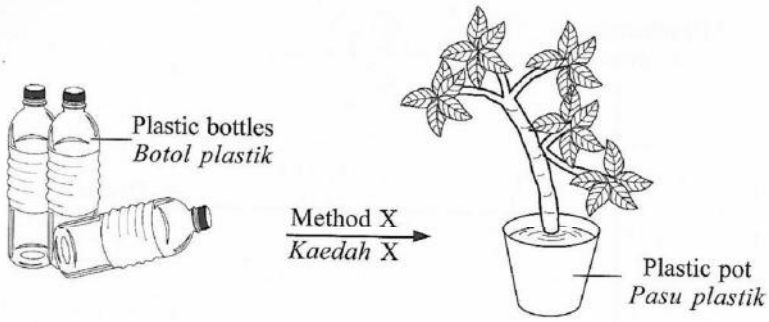

Diagram 21
Rajah 21

What is X?
Apakah X?

A Reuse
Guna semula

B Reduce
Pengurangan

C Recycle
Kitar semula

D Replacement
Penggantian

49 Diagram 22 shows a wave with a frequency 50 Hz.

Rajah 22 menunjukkan satu gelombang yang mempunyai frekuensi 50 Hz.

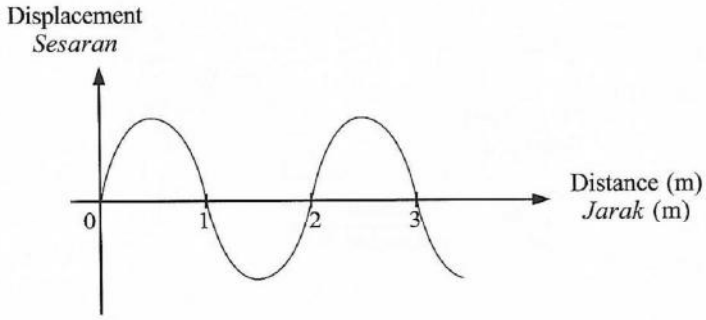

Diagram 22
Rajah 22

What is the velocity of the wave?

[v = $f\lambda$, v = velocity f = frequency λ = wavelength]

Berapakah halaju gelombang itu?

[v = $f\lambda$, v = *halaju* f = *frekuensi* λ = *panjang gelombang*]

A $25\,m\,s^{-1}$

B $48\,m\,s^{-1}$

C $52\,m\,s^{-1}$

D $100\,m\,s^{-1}$

50 Diagram 23 shows the symbol of an electronic component.
Rajah 23 menunjukkan simbol bagi satu komponen elektronik.

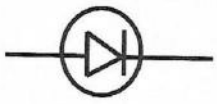

Diagram 23
Rajah 23

What is its function?
Apakah fungsinya?

A Restore charges
Menyimpan cas

B Receive radio waves
Menerima gelombang radio

C Changes the voltage of an alternating current
Mengubah voltan arus ulang alik

D Allow current to flow in one direction only
Membenarkan arus mengalir dalam satu arah sahaja

END OF QUESTION PAPER
KERTAS SOALAN TAMAT

INFORMATION FOR CANDIDATES
MAKLUMAT UNTUK CALON

1. This question paper consists of **50** questions.

   Kertas soalan ini mengandungi **50** *soalan.*

2. Answer **all** questions.

   Jawab **semua** *soalan.*

3. Each question is followed by four alternative answers, **A**, **B**, **C** or **D**. For each question, choose **one** answer only. Blacken your answer on the objective answer sheet provided.

   Tiap-tiap soalan diikuti oleh empat pilihan jawapan, iaitu **A**, **B**, **C** *dan* **D**. *Bagi setiap soalan, pilih* **satu** *jawapan sahaja. Hitamkan jawapan anda pada kertas jawapan objektif yang disediakan.*

4. If you wish to change your answer, erase the blackened mark that you have made. Then blacken the new answer.

   Jika anda hendak menukar jawapan, padamkan tanda yang telah dibuat. Kemudian hitamkan jawapan yang baharu.

5. The diagrams in the questions provided are not drawn to scale unless stated.

   Rajah yang mengiringi soalan tidak dilukis mengikut skala kecuali dinyatakan.

6. You may use a scientific calculator.

   Anda dibenarkan menggunakan kalkulator saintifik.

