

PAPER 1

PART 1: SHORT TEXT MCQ

Questions 1-8

Read the text carefully in each question. Choose the best answer **A**, **B**, or **C**.

Dear Danial,

I just read an email about a special exhibition at the Science Centre. Would you like to go with me on Saturday at 11 a.m.? Let me know.

Vinod

1. Vinod wrote the message to
 - Ask Daniel to join him to the Science Centre
 - Send Daniel the invitation to the special exhibition
 - Remind Daniel about the exhibition at the Science Centre

Bernie's Art Centre

Shop online at www.bernie_artcentre.com for a variety of art supplies from now till 30 April and enjoy a 20% discount.

Additional 5% for members.

Free delivery if you spend RM100 and above.

2. Bernie's Art Centre is offering
 - 20% off for all online customers
 - Free delivery for members only
 - 5% discount until 30 April

SPECIAL DEAL

Buy a mini torchlight for RM19.90 and get 4 AA batteries for free.

*offer available from 5 to 7 September

3. If you buy
 - Four batteries, you'll pay RM19.90 for a mini torchlight
 - A mini torchlight, you'll get four AA batteries for free
 - A torchlight by 7 September, you'll only pay RM19.90

To: samuel@ezymail.com
From: sophia@ezymail.com

Subject: Mock Science Quiz

Hello Samuel,

Our Science teacher called about tomorrow's mock science quiz—it's not canceled. It'll be from 3 p.m. to 5 p.m. instead of 2.30 p.m. to 4.30 p.m.
See you there!

Sophia

4. Tomorrow, the mock Science Quiz
 - A. Will be moved to another venue
 - B. Will be postponed
 - C. Will finish later

Jimmy

Hi Samad,

Where are you? The judges are one booth away! They're going to come to our booth in a few minutes. Hurry!

5. Jimmy is texting Samad
 - A. So he could meet the judges
 - B. Because he is worried about him
 - C. To urge him to come back to their booth quickly

To: puan_fida@ezymail.com
From: science_digest@ezymail.com
Subject: Your Magazine Subscription

Dear Puan Fida,

REMINDER

Your magazine subscription ends in August. Please renew it online by 30 July to get an exclusive free gift.

6. The email reminds Puan Fida
 - A. To pick up her free gift by 30 July
 - B. To enter a contest to win an exclusive gift
 - C. To renew her magazine subscription before it ends

COMPUTER WORLD

Sign up for our school holiday workshop. Suitable for beginners - learn about coding.
Hurry!

Workshop days:

21 November (full)
22 November (4 places left)

28 November (5 places left)

7. Computer World is urging the public to hurry because
 - A. There are only three workshops
 - B. The registration is about to close
 - C. The workshop is nearly fully booked

NATURAL SCIENCE MUSEUM

Introducing guided tours (11 a.m. & 3 p.m.) on weekdays too.

No need to register, just join a group.

Ticket price:

RM12 (adult), RM4 (children)

8. The Natural Science Museum
 - A. Is offering guided tours from Mondays to Fridays
 - B. Is urging groups to sign up for guided tours
 - C. Is changing its weekend ticket prices

PART 2: ERROR CORRECTION

Questions 1-8

Read the text below and correct the underlined errors. For each questions, write the correct answers in the space provided below.

Getting Creative Using Science

Hello! My name is Ayla and I (0) enjoys participating in Science workshops. Petrosains, The Discovery Centre (1) conducting a variety of workshops to help participants (2) discovers Science, Technology, Engineering and Mathematics. I have participated in a few workshops designed (3) by teenagers. One workshop called 'Robo Tracer' teaches participants (4) who to code a robot so it will function. Another one is called '3D Printing'. Here, participants make their own 3D-printed model (5) uses a design software. 'The most recent workshop I attended (6) were "Toy Dissection". Here, I took apart a remote-controlled car to look at all its components. Then, I used (7) it to create a new toy. It was so much fun. I can't wait to (8) attends more in the future.

Example:

0	enjoy
1	
2	
3	
4	
5	
6	
7	
8	

PART 3: INFORMATION TRANSFER

Read the text below and answer questions 1 to 8.

NATIONAL SCIENCE AND TECHNOLOGY FAIR

The Science Research Centre organises a National Science and Technology Fair every year. This year the theme of the fair is 'Youth Innovation for Sustainable Development'. the fair will be held at the Civic Centre in Petaling Jaya on Saturday, 4 April from 9.30 a.m. to 5 p.m.

Applications are now open for the National Science and Technology Fair. The organisers of the fair expect about 100 project submissions. Submissions have been steadily increasing since the first fair in 2015. Submissions are welcomed from groups of 3 to 5 students.

The deadline for submission is 28 February. A panel of judges will select the top 15 submissions. The 15 finalists will be invited to showcase their projects to the public and another round of judging on the day of the fair.

The finalists are allowed to enter the venue as early as 7.30 a.m. to set up their projects. Doors will be opened to the public at 9.30 a.m. The final round of judging begins at noon. The top three winners will be announced at 2 p.m. Winners will receive trophies, certificates and cash prizes.

Details about the National Science and Technology Fair such as the rules and regulations for the preliminary round and finals, specifications and guidelines of the projects are included in the official website, www.nstfair.com.my.

Admissions to the fair is free. Besides the fair, visitors can also visit the many food and souvenirs stalls set up at the car park.

Questions 1-8

Complete the following table. Choose **no more than three words and/or a number** from the text for each answer.

NATIONAL SCIENCE AND TECHNOLOGY FAIR

Date of fair	1.
Time of fair	2.
Venue of fair	3.
No. Of finalists	4.
Winners will be declared	5.
Prizes for winners	● Trophies

	6. 7.
More details about the fair available at	8.

Questions 8 and 9

Complete the table below with a **word** from the text.

Meaning	Word
9. Time limit	
10. Handover	

PART 5: MATCHING (GAPPED TEXT)

Questions 1-6

You are going to read an article about black holes. Six sentences have been removed from the articles. Choose from the sentences (A-H) to fit each gap (1-6). There are two extra sentences which you do not need to use.

LEARNING ABOUT BLACK HOLES

A black hole is a place in space where gravity is so strong that even light is pulled inside. Any matter that gets too close to a black hole will get sucked into its middle.

Why is its gravity so strong? (1)_____ This occurs when giant stars explode at the end of their life cycle.

Like other objects in the universe, scientists also want to learn about black holes. (2)_____ They are invisible. But scientists know that black holes exist by observing light and objects near them.

(3)_____ The space telescope called XMM-Newton is an X-ray space observatory. It was launched into Earth's orbit in 1999 by Nasa and the European Space Agency. It observes the universe in high-energy X-rays. (4)_____

When matters such as dust particles and gas that are near black holes are swallowed up by them, they give out these high-energy X-rays. (5)_____

In the 18th century, two different scientists - John Michell and Pierre-Simon Laplace - were the first to propose the idea of black holes. (6)_____ Later, the physicist John Archibald Wheeler coined the term 'black hole'.

- A. Scientists find it interesting to study about black holes.
- B. Satellites and telescopes in space are used to learn more about black holes.
- C. But David Finkelstein first published that nothing could escape from black holes in 1958.
- D. The reason for this is that matter has been squeezed into a tiny space.
- E. Scientists look at these X-rays to understand black holes.
- F. The telescope is able to see these types of light.
- G. Physicists have been studying black holes since the 18th century.
- H. We can't see them because no light can get out.

PAPER 2

PART 1: SHORT COMMUNICATIVE MESSAGE

Read the message from your friend, Deena.

Hello Shina,

I'm going to be a presenter during a Science exhibition. I'm not sure if I should do a video presentation, give handouts or show diagrams on the projector - or maybe do something else? Do you have any other suggestion to make my presentation interesting?

Please let me know.

Deena

In about **80 words**, write a message to Deena giving some ideas.

Hello _____,

From,