

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**.

Hello Peter,

Would you like to go to the conservatory at Bukit Kiara next week? They're having an open day next week. We can learn about the stars and get a closer look at them using a telescope. Let me know.

Saiful

1. Saiful wrote the message
 - A. To decline Peter's invitation to Bukit Kiara
 - B. To go star gazing with his friends at Bukit Kiara
 - C. To invite Peter to attend an open day at the conservatory

Ally's Cafe

New outlet at 10, Museum Road

- Just a 2 minute walk from the National Museum
- Get a 20% discount on coffee/tea when you present your museum entrance ticket to the cashier.

Open daily from 9.30 a.m. to 8.30 p.m.

2. Ally's Cafe is
 - A. Located inside the museum
 - B. Open to the museum visitors only
 - C. Is offering a discount for museum visitors

SPECIAL PROMOTION

By

HIGH TECH TOYS

Get a Science Kit (10 different kits) for only RM39.90 each (usual price: RM59.90)

- 3 day promotion from 11-13 October
- Members earn an extra 10 points

3. The Science Kit
 - A. Is cheaper between 11 and 13 October

- B. Is giving extra discounts for its members
- C. Is an offer for members of High Tech Toys

To: lorraine@ezymail.com
From: atikah@ezymail.com
Subject: Creative Innovators Competition

Dear Lorraine,

I just received a call from Mrs Ng about our submission to the Creative Innovators Competition. We've won the first round. She wants to have a special meeting tomorrow at 3 p.m. to prepare for the next round. I'll see you then.

Atikah

- 4. Tomorrow, Lorraine and Atikah are
 - A. Going to meet Puan Ng after school.
 - B. Attending a briefing about the competition
 - C. Finalists in the Creative Innovators Competition

- Swee Meng

Hello Tee Chuan,

Could you bring some bicarbonate soda for the science experiment tomorrow? I just realised that I don't have any. I'll bring a few balloons and a zip-lock bag.

- 5. Swee Meng is texting Tee Chuan
 - A. So he will attend the Science experiment
 - B. To bring one item for the Science experiment
 - C. Because he doesn't know what items are needed for the experiment

To: miss_rose@ezymail.com
From: librarian@ezymail.com
Subject: Library Book

Dear Miss Rose,

Update

The Astronomy and Space Exploration Digest that you booked has been reserved. You must pick it up by 5 p.m., tomorrow. After that, the book will be back on the shelves.

6. The purpose of the email is

- A. To remind Miss Rose to return a library book
- B. To invite Miss Rose to a book launch at 5 p.m.
- C. To tell Miss Rose that the book she wants is in the library

SCIENCE SURPRISE CO.

Want to be an inventor, a scientist, a designer or an artist?

Subscribe to Science Surprise Co's education boxes. Get a different box each month and start creating.

6-month subscription: RM240

12-month subscription: RM400

Boxes for all ages available!

7. The Science Surprise Co.

- A. Is giving a discount for a 6-month subscription
- B. Has educational boxes for a variety of subjects
- C. Is offering two types of subscriptions

WONDER SCIENCE WORLD

There's a new attraction in town. Participate in interactive science & tech-based exhibits, watch demonstrations and try Science experiments.

Open daily from 10 a.m. to 9 p.m.

Ticket price: RM25 (for an all-day access)

8. Wonder Science World is

- A. Promoting discounts for its exhibits
- B. Inviting the public to its opening
- C. Announcing its activities

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.

How to Build a Time Capsule

A time capsule is a trove of goods or information left **(0)on** a container for people in the future to discover and **(1)learnt** about the past. It should contain items that would surprise the people. First, choose how long you want **(2)its** left undiscovered. Then, decide **(3)when** you want to store it. Next, select a container. After that, start collecting the items you want to store. Pick items which **(4)representing** the mood of the present time. Think about who will **(5)opens** it and what you would like them to know. You can put a newspaper, popular toys, **(6)yours** favourite food label or a present-day gadget. You could also write **(7)the** message about current trends or cost of everyday items. Before you store the time capsule, **(8)writes** down the location and when you want it to be opened.

Example:

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PART 3: INFORMATION TRANSFER

Read the text below and answer questions 1 to 10.

THE SMITHSONIAN'S AIR AND SPACE MUSEUM

The Smithsonian's Air and Space Museum is a well-known science museum located on the National Mall in Washington D.C. The National Mall is a national park which also houses monuments, other museums and memorials

The Smithsonian's Air and Space Museum is the most visited museum in the world. It has the world's largest collection of historic air and spacecraft. There are 22 exhibition galleries, hundreds of artifacts such as the Apollo II command module, the original Wright 1903 flyer, real flying machines and many interactive exhibits. There is also an IMAX Theatre and planetarium which offer presentations so visitors can discover the history of planes and flight exploration.

In the main hall, which has a two-storey high ceiling, visitors can see the 'Milestones of Flight' exhibition. The world's most important air crafts and space crafts are displayed here. Visitors can learn about them through stories and digital displays. Besides the Apollo II command module, visitors can also see model of the 'Starship Enterprise' here.

Other activities you can enjoy in the museum include going on a 4-minute flight simulator ride, watching a film at the IMAX Theatre and taking a 20-minutes tour of the universe at the planetarium. The museum also has a three-storey gift shop and a food court.

The museum is very busy so the best time to visit is early or late in the afternoons. Visitors should buy their IMAX and planetarium tickets in advance to avoid queues. There is a lot to see and do so you will need about three hours to explore the museum. The museum is open every day from 10 a.m. to 5.30 p.m. except for 25 December.

Questions 1-8

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

THE SMITHSONIAN'S AIR AND SPACE MUSEUM

Location	1.
Thing to see	2. ● Artifacts 3. ● Interactive exhibits
Facilities	4. ● Planetarium 5. 6.
Closed on	7.
Opening hours	8.

Questions 9 and 10

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

Meaning	Word
9. A public display of works of art	
10. A domed building where images of stars, planets, and constellation are projected for public	

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.

A ROBOTICS PROJECT

There are many projects you can do involving robotics. You could build a robot that can avoid obstacles or a robot that can race along a track. (1)_____

A breadboard is a rectangular plastic board. It has many tiny holes in it. (2)_____ Examples of electronic components include a battery and a switch, a resistor and an LED. You can easily insert and remove the components if you make a mistake.

How do you programme your robot to avoid obstacles? (3)_____ Then, your robot can find its way across a crowded room without getting stuck.

There are three important things to do for a project like this. You need to build circuits, power the motors and explore how the robot can detect an obstacle in its way.

(4)_____ It contains the materials you need to build a functioning robot. You will find a robot body that has wheels, motors and battery holder, a breadboard, batteries, wires, sensors, a switch and resistors in the kit. (5)_____ You can get these items at home.

You need between two and four days to complete this project. (6)_____ A kit can cost up to RM300. Since you are working with electronic circuits, be careful. Short circuits can happen. You can suffer a burn when you touch very hot components.

- A. Start the project by getting a robotic kit
- B. Breadboards are easy to use
- C. The cost is high because you have to buy the kit
- D. You can insert electronic components into the holes.
- E. By getting it to detect its surroundings
- F. Programme your robot to avoid obstacles
- G. You will need a screwdriver, a torch light, scissors and tape
- H. Both types of projects require knowledge of a breadboard

PAPER 2

PART 1: SHORT COMMUNICATIVE MESSAGE

Read the message from your classmate, Farhan.

Hello Nanda!

I'm thinking of getting my brother a fantastic gift. I've been putting away some money so I've more money to spend on gifts. He loves everything about space, astronomy and technology. I could pay for a one-year membership to the Hill Observatory Astronomy Club, get him a two-year subscription to a Science magazine or buy him a book on space exploration.

What are your thoughts? Let me know if you have another.

Farhan

In about **80 words**, write a message to Farhan offering some advice.

Greetings _____,

From,