

# Instructions

Welcome to SWI tuition support test

**Read the following Instructions carefully.**

This is a **timed** exam, you have **45mins**

There are **50 questions** comprising  
mathematic, english and general  
knowledge in no particular order

Select only one answer. **Please use the email address you used to apply for the scholarship to complete the test !!!**

**All the best!!!!**

## Questions

The questions below are in no particular order

What is the capital city of Japan?

\* 1 point

- A) Tokyo
- B) Seoul
- C) Beijing
- D) Bangkok

Choose the word that best completes the sentence:

\* 1 point

The professor's \_\_\_\_\_ lecture left the students in awe of his knowledge.

- A) perspicacious
- B) mellifluous
- C) pellucid
- D) ineffable

Solve the inequality  
 $|5x+5|-8 \leq 17$ .

\* 1 point

- a.  $-1 \leq x \leq 27/5$
- b.  $1 \leq x \leq -27/5$
- c.  $-1 \leq x < 27/5$
- d.  $1 \leq x \leq 27/5$

Find the area of a circle with radius 5 cm. \* 1 point

- a. 78.53 cm
- b. 79.53 cm<sup>2</sup>
- c. 78.53 cm<sup>2</sup>
- d. 74.53 cm<sup>2</sup>

---

A card is drawn from a standard deck of 52 cards. \* 1 point  
What is the probability of getting a heart?

- a.  $\frac{2}{3}$
- b.  $\frac{1}{6}$
- c.  $\frac{3}{4}$
- d.  $\frac{1}{4}$



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How many ways can you arrange 3 people in a row?

\* 1 point

a. 9

b. 10

c. 6

d. 5

---

Who is the author of the "Harry Potter" book series? \* 1 point

A) J.K. Rowling

B) George R.R. Martin

C) Stephen King

D) Suzanne Collins

What is the smallest prime number?

\* 1 point

A) 2

B) 1

C) 3

D) 5

---

Which of the following words is most closely related in meaning to the word "intelligent"?

\* 1 point

A. Smart

B. Dumb

C. Average

D. None of the above

Identify the sentence with  
correct subject-verb  
agreement:

\* 1 point

- A) The team of scientists are conducting experiments.
- B) Neither the book nor the movie were interesting.
- C) Each of the students has completed their assignment.
- D) The flock of birds is flying south for the winter.

---

Which planet is known as the  
"Red Planet"?

\* 1 point

- A) Mars
- B) Venus
- C) Jupiter
- D) Saturn



Which COVID-19 vaccine was developed by the partnership of Pfizer and BioNTech? \* 1 point

- A) Moderna
- B) Sinopharm
- C) Covaxin
- D) Pfizer-BioNTech

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What is the fastest land animal? \* 1 point

- A) Cheetah
- B) Lion
- C) Elephant
- D) Gazelle

Which gas do plants primarily absorb during photosynthesis? \* 1 point

A) Carbon Dioxide

B) Oxygen

C) Nitrogen

D) Hydrogen

---

What is the longest word in the English language? \* 1 point

A.

Pneumonoultramicroscopicsilicovolcanoconiosis

B. Antidisestablishmentarianism

C. Floccinaucinihilipilification

D. Supercalifragilisticexpialidocious



In which country is the Taj Mahal located?

\* 1 point

- A) India
- B) China
- C) Egypt
- D) Turkey

10. Solve for  $x$  in the equation  $2x^2 + 5x - 3 = 0$ .

\* 1 point

- a.  $x = -3/2$  or  $x = 3/2$
- b.  $x = -1$  or  $x = 3/2$
- c.  $x = -1$  or  $x = 1/2$
- d.  $x = -1$  or  $x = 1$

What is the chemical formula \* 1 point  
for water?

A) H<sub>2</sub>O

B) CO<sub>2</sub>

C) CH<sub>4</sub>

D) O<sub>2</sub>

---

Who wrote the novel "Things  
Fall Apart" \* 1 point

A) Chinua Achebe

B) Wole Soyinka

C) Chimamanda Ngozi Adichie

D) Buchi Emecheta



What date did Queen Elizabeth \* 1 point  
die?

- 8th September 2023
- 6th August 2022
- 8 September 2022
- 9th September 2022

---

What does the idiom "to spill \* 1 point  
the beans" mean?

- A. To tell a secret
- B. To keep a secret
- C. To break a promise
- D. None of the above

How many ways can you  
arrange the letters in the word  
"dog"?

\* 1 point

a. 40

b. 36

c. 54

d. 63

---

Who is the founder of Andela,  
a company that identifies and  
develops software developers  
in Africa?

\* 1 point

A) Iyinoluwa Aboyeji

B) Prosper Otemuyiwa

C) Jeremy Johnson

D) Christina Sass

Which planet is known as the "Evening Star"? \* 1 point

- A) Venus
- B) Mercury
- C) Mars
- D) Jupiter

---

Choose the word that is spelled correctly: \* 1 point

- A) Recieve
- B) Conscienous
- C) Bureaucracy
- D) Embarrassment

Which country hosted the  
2022 FIFA world cup ?

\* 1 point

- A) United States
- B) Russia
- C) China
- D) Qatar

Who painted the "Mona Lisa"? \* 1 point

- A) Leonardo da Vinci
- B) Vincent van Gogh
- C) Pablo Picasso
- D) Michelangelo



Who wrote the play "Romeo and Juliet"?

\* 1 point

- A) William Shakespeare
- B) Jane Austen
- C) Charles Dickens
- D) Leo Tolstoy

Which ethnic group is the largest in Nigeria?

\* 1 point

- A) Yoruba
- B) Igbo
- C) Hausa-Fulani
- D) Ibibio

What is the derivative of  $e^{-x}$ ? \* 1 point

a.  $e^{-x/2}$

b.  $e^{-x/2}$

c.  $-e^{-x}$

d.  $e^{-x}$

What is the capital city of Australia? \* 1 point

A) Canberra

B) Sydney

C) Melbourne

D) Brisbane

Which mountain range is the tallest in the world? \* 1 point

A) Himalayas

B) Andes

C) Rockies

D) Alps

---

Choose the correct form of the verb to fill in the blank: \* 1 point

If I \_\_\_\_\_ known, I would have helped.

A) had

B) have

C) has

D) have had



What is the chemical symbol for iron? \* 1 point

- A) Fe
- B) Ir
- C) In
- D) Io

---

Solve the inequality \* 1 point

$$2x+5>3x-2.$$

- a.  $x < -3$
- b.  $x < -5$
- c.  $x < 3$
- d.  $-x < -3$

Identify the incorrect sentence: \* 1 point

- A) She is the one who sings the most beautifully.
  - B) Whom did you speak to at the party last night?
  - C) The book, along with the pen, were on the table.
  - D) He is the only person who could have done it.
- 

What is the largest organ in the human body? \* 1 point

- A) Skin
- B) Liver
- C) Heart
- D) Brain

What is the name of the highest mountain in Nigeria?

\* 1 point

- A) Mount Patti
  - B) Chappal Waddi
  - C) Mount Dimlang
  - D) Obudu Mountain
- 

Select the synonym for "ubiquitous":

\* 1 point

- A) Pervasive
- B) Esoteric
- C) Nebulous
- D) Insidious



---

Which planet is known as the "Morning Star"? \* 1 point

- A) Venus
- B) Mars
- C) Mercury
- D) Saturn

---

What does the idiom "to break the ice" mean? \* 1 point

- A. To start a conversation
- B. To end a conversation
- C. To avoid a conversation
- D. None of the above



Which year did Nigeria gain independence from British colonial rule?

\* 1 point

A) 1954

B) 1960

C) 1970

D) 1980

---

Who wrote the play "Hamlet"? \* 1 point

A) William Shakespeare

B) Jane Austen

C) George Orwell

D) F. Scott Fitzgerald





Which element has the chemical symbol "O"?

\* 1 point

- A) Oxygen
- B) Osmium
- C) Ozone
- D) Osmium

What is the measure of an exterior angle of a regular hexagon?

\* 1 point

- a.  $100^\circ$
- b.  $110^\circ$
- c.  $121.5^\circ$
- d.  $120^\circ$



Which Nigerian musician won the Grammy Award for Best Global Music Album in 2021? \* 1 point

- A) Burna Boy
- B) Wizkid
- C) Davido
- D) Tiwa Savage

---

A car is driving on a bearing of  $270^\circ$ . What is the bearing of the car from a point due south? \* 1 point

- a.  $94^\circ$ .
- b.  $80^\circ$ .
- c.  $10^\circ$ .
- d.  $90^\circ$ .

What is the largest mammal in the world? \* 1 point

- A) Blue Whale
- B) Elephant
- C) Giraffe
- D) Hippopotamus

---

Which bird is known for its ability to mimic human speech? \* 1 point

- A) African Grey Parrot
- B) Bald Eagle
- C) Penguin
- D) Raven

What is the chemical symbol for gold? \* 1 point

A) Au

B) Ag

C) Fe

D) Pt

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