

# 20<sup>th</sup> ANMC GUIDEBOOK

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**The organizers reserve the right to change or add to the rules and regulations if such addition or changes are required.**

# NATIONAL MATHEMATICS COMPETITION

We are pleased to inform you about the upcoming traditional feast of mathematics for pupils, teachers, and parents. It is the 20<sup>th</sup> edition of the Annual National Mathematics Competition for Primary 5&6 pupils and JSS3 students organized by two of the leading institutions of Nigeria in the area of education: Nigerian Tulip International Colleges (NTIC) and the National Mathematical Center (NMC).

NTIC and NMC are putting a great effort to seed the love of mathematics in pupils' hearts. However, they are not the only ones who have branded this excellent product; we owe thousands of pupils, teachers, and parents all around Nigeria who are contributing to this festival with their efforts and enthusiasm. We kindly applaud every individual who adopts and supports this competition. Thank you, Nigeria!

In this booklet, you will find some detailed information about the competition. There will be two sections in this booklet. Section one contains rules and regulations for the primary version and section two the for jss3 version. We kindly request you read through this booklet and find answers to your questions about the event.

This 20<sup>th</sup> ANMC guidebook was revised on 25<sup>th</sup> October 2022 henceforth, the old edition of the 20<sup>th</sup> ANMC guidebook ceased to be valid. The general public is hereby advised to use this updated guidebook from now on.

## SECTION I

### 20<sup>th</sup> Annual National Mathematics Competition for Primary 5&6

Organized by

**Nigerian Tulip International Colleges & National Mathematical Center**

#### **Format of the competition for Primary 5&6:**

It is worth reminding you that this level of competition is only for primary 5&6 pupils from public or private primary schools all around Nigeria.

Pupils can register via [www.ntic.edu.ng](http://www.ntic.edu.ng) or buy examination cards through contact numbers placed on handbills and other outlets close to them.

**The age limit is between 10 and 12 years old (including 10 and 12 years).**

**All students are to sit for the exam in zones where their schools are registered.**

**Type and number of questions:** Both stages of this competition are objective-type examinations involving 75 questions distributed as follows: 35 algebra, 15 geometry, and 25 aptitudes. The questions are prepared according to the Nigerian primary school syllabus but at a more complex level.

**Duration of the examination:** A total of 120 minutes is allotted to answer all the questions.

#### **Dates and venues for the stages and award-giving ceremony:**

**20<sup>th</sup> ANMC 1<sup>st</sup> Round: 3<sup>rd</sup> December 2022,                      in various states of Nigeria**

**20<sup>th</sup> ANMC 2<sup>nd</sup> Round: 4-5-6<sup>th</sup> April 2023                      NTIC Abuja and Kano**

**20<sup>th</sup> ANMC Award Giving Ceremony: 6<sup>th</sup> April 2023                      NTIC Abuja and Kano**

#### **Stages of the competition for Primary 5&6 Pupils:**

##### **1<sup>st</sup> Stage :**

The first stage of the annual competition holds simultaneously in various states of the federation, including FCT. All primary 5&6 pupils from public or private primary schools may participate in this competition. Each participant must come with an online registration slip or a copy of the Examination Card filled out completely to the exam hall (a

detached copy from the registration form is sold by NTIC and NMC officers or other responsible people from schools or ministries at N2500.

First-round exam centers are indicated table below properly for each zone. A student cannot change his/her zone at the first and final stages.

<b>Zones</b>	<b>States</b>	<b>1st Round Exam Centers</b>
South ZONE	Abuja, Anambra, Akwa-Ibom, Cross River, Abia, Rivers, Imo, Enugu, Bayelsa, Ebonyi, Lagos, Ogun, Osun, Ondo, Oyo, Ekiti, Delta, Edo, Kwara	Abuja, Anambra, Cross River, Rivers, Enugu, Ebonyi, Lagos, Ogun, Osun, Ondo, Edo, Kwara, Imo, Abia, Oyo
North ZONE	Kaduna, Niger, Plateau, Bauchi, Nasarawa, Kogi, Benue, Adamawa, Taraba, Kano, Zamfara, Sokoto, Kebbi, Katsina, Yobe, Borno, Gombe, Jigawa	Kaduna, Plateau, Kogi, Kano, Sokoto, Yobe, Gombe, Benue, Bauchi, Katsina

**RULES for 20<sup>th</sup> ANMC for Primary 5&6 Pupils:**

- 1-There will be various exam centers for two different zones.
- 2-The registration shall be on a first-come, first-served basis.
- 3-There will be two zones (North Zone: Kano State and South Zone: Abuja State) for the 2<sup>nd</sup> Round.
- 4-First 20 pupils who qualified from the 1st Round of 20th ANMC will be invited for the 2nd Round according to each zone. The breakdown of states in each zone is on page 5.
- 5-Qualified pupils of the 1<sup>st</sup> Round of 20<sup>th</sup> ANMC will be awarded according to the 2<sup>nd</sup> Round results. There will not be separate awards or prizes for the 1<sup>st</sup> Round.
- 6-Exam Cards may be purchased from state coordinators or NTIC Schools (at N2500) or visit [www.ntic.edu.ng](http://www.ntic.edu.ng) for online registration

**Pupils are expected to come for the exam in their school uniforms.**

You may get details of the venues for the exam from any of NTIC branches, or you may contact an officer from NMC and Ministries of Education across the states.

Pupils will be asked to shade the necessary information and their answers into answer sheets provided for them at the exam center, using pencils only. Since the answer sheets are in optic format, the pupils may not be used to shading the answers and the necessary information properly. **That is why we request the assistance of the teachers and the parents in teaching them how to shade into the optic forms properly.** Please, check page 13 of this booklet for sample shading. The reason for using the uncommon optic forms is to be able to mark the sheets and deliver the results within the shortest time, despite the fact that over 40,000 pupils are participating in this competition.

We expect to finalize the marking of the scripts within **two months** after the first stage. Please, note that the results will ONLY be announced on **the official website of the school** ([www.ntic.edu.ng](http://www.ntic.edu.ng))

The results of 1<sup>st</sup> Round will be announced on the website 60 days after the state level.

## **2<sup>nd</sup> Stage (Final Level) for Primary 5&6 Pupils:**

Although the winners will be given calls (on the number provided in the examination form) to be informed about the final stage, it is the winners' responsibility to check and learn about the results on time from our website. In the case where a winner does not come for the final stage for whatsoever reason, he/she cannot claim to proceed to the final stage.

**All qualified pupils for the second stage are to bring their birth certificate, letter of identification and 2022-2023 academic session 1. Term report card from their schools.**

**In a situation whereby a candidate did not come with any of the certificates mentioned above, such candidate will automatically be disqualified from participating in the second round.**

The final stage of ANMC will be conducted in 2 different locations: Abuja and Kano. The states and the centers have been arranged as follows:

<b>Zones</b>	<b>States</b>	<b>Centers for Final Stage</b>
South ZONE	Abuja, Anambra, Akwa-Ibom, Cross River, Abia, Rivers, Imo, Enugu, Bayelsa, Ebonyi, Lagos, Ogun, Osun, Ondo, Oyo, Ekiti, Delta, Edo, Kwara	NTIC, Abuja
North ZONE	Kaduna, Niger, Plateau, Bauchi, Nasarawa, Kogi, Benue, Adamawa, Taraba, Kano, Zamfara, Sokoto, Kebbi, Katsina, Yobe, Borno, Gombe, Jigawa	NTIC, Kano

Each pupil is expected to be accompanied by one teacher. If two or more pupils come from the same school, only one teacher must accompany them. If parents or more teachers want to come to the event, they have to provide their accommodation and transportation fare.

Pupils, their trainers, and schools will be awarded according to pages 6 & 7. The accommodation and public transport (by road) fee (to and from) for each winner and only one teacher from the winning school will be paid.

1<sup>st</sup> Round winners must arrive at the zones mentioned above on 4<sup>th</sup> April 2023.

Only the winners of the zone level will sit for the final stage of the examination the following morning (5<sup>th</sup> April 2023). They will have 120 minutes for 75 objective questions.

They will be able to return to their destinations after the Award Giving Ceremony on 6<sup>th</sup> April or 7<sup>th</sup> April 2023.

## *Awards and Prizes for Primary 5&6 Pupils:*

### **FINAL LEVEL PRIZES FOR PUPILS**

1. 7 gold, 5 silver and 8 bronze medals will be given in each zone.
2. The best seven pupils (gold medalists) from each zone will get a 100% scholarship (including tuition, feeding and hostel except other fees like books and uniforms).
3. The pupils from 8<sup>th</sup> to 12<sup>th</sup> position (silver medalists) from each zone will get a 100% tuition scholarship.
4. The pupils from 13<sup>th</sup> to 20<sup>th</sup> position (bronze medalists) from each zone will get a 50% tuition scholarship.
5. The pupils qualifying for the 2nd round from each zone will receive a cash prize as indicated on the next page.
6. The teachers of the pupils from each zone will receive a cash prize according to the 2nd Round results as indicated on the next page.
7. The best three schools from each zone will be given special prizes. (One school can get only the highest deserved price)
8. Twenty pupils from each zone will be given certificates of merit.
9. The schools and teachers of the twenty pupils from each zone will be awarded certificates of merit.
10. The schools of twenty pupils from each zone will be awarded plaques.

Scholarships are available only at Nigerian Tulip International Colleges

### **Final Level Awards**

<b>POSITION</b>	<b>PUPIL'S CASH PRIZE</b>	<b>TEACHER'S CASH PRIZE</b>	<b>PUPIL'S MEDAL</b>
1 <sup>st</sup>	₦ 100,000	₦ 75,000	GOLD
2 <sup>nd</sup>	₦ 75,000	₦ 50,000	GOLD
3 <sup>rd</sup>	₦ 50,000	₦ 37,500	GOLD
4 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
5 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
6 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
7 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
8 <sup>th</sup> -12 <sup>th</sup>			SILVER
13 <sup>th</sup> -20 <sup>th</sup>			BRONZE

### **AWARDS FOR THE BEST THREE SCHOOLS:**

Awards for the best three schools (for each zone) are Desktop Computer, Tablet and Printer, respectively, based on the 2nd Round results.

**The organizers reserve the right to change or add to the rules and regulations if such addition or changes are required.**

## SECTION II

### National Mathematics Competition for JSS-3

Organized by

**Nigerian Tulip International Colleges & National Mathematical Center**

#### **The Aims and Objectives of the Scholarship Scheme**

The scholarship scheme is for Senior Secondary students, and it has been put together to:

- Contribute to the educational development of our society and country,
- Help strengthen the accomplishment of gifted students' dreams,
- Represent the school and country in national and international competitions,
- Produce champions in various external exams like WAEC, JAMB, SAT, etc.

#### **Format of the competition for JSS-3 students:**

It is worth reminding you that this competition is only for JSS-3 pupils from public or private schools all around Nigeria.

Pupils can register via [www.ntic.edu.ng](http://www.ntic.edu.ng) or buy examination cards through contact numbers placed on handbills and other outlets close to them.

#### **The age limit is between 13 – 15 years old (including 13 and 15 years).**

Only JSS-3 students are allowed to sit for this exam.

#### **All students are to sit for the exam in zones where their schools are registered.**

**Type and number of questions:** The first round of this competition is an objective-type examination involving 75 questions distributed as follows: 35 algebra, 15 geometry, and 25 aptitudes. The questions are prepared according to the Nigerian junior secondary school syllabus but at a harder level.

**Duration of the examination:** A total of 120 minutes is allotted to answer all the questions.

#### **Dates and venues for the stages and award-giving ceremony:**

**20<sup>th</sup> ANMC 1<sup>st</sup> Round: 3rd December 2022, in various state of Nigeria**

**20<sup>th</sup> ANMC 2<sup>nd</sup> Round: 2-3-4-5-6<sup>th</sup> April 2023 NTIC Abuja**

**20<sup>th</sup> ANMC Award Giving Ceremony: 6<sup>th</sup> April 2023 NTIC Abuja**

## **Stages of the competition for JSS-3:**

### **1<sup>st</sup> Stage :**

The first stage of the annual competition holds simultaneously in various states of the federation, including FCT. All JSS-3 students from public or private schools may participate in this competition. Each participant must come with an online registration slip or a copy of the Examination Card filled out completely to the exam hall (a detached copy from the registration form is sold by NTIC and NMC officers or other responsible people from schools or ministries at N2500).

First-round exam centers are indicated table below properly for each zone. A student can not change his/her zone in the first stage and the final stage.

<b>Zones</b>	<b>States</b>	<b>1st Round Exam Centers</b>
South ZONE	Abuja, Anambra, Akwa-Ibom, Cross River, Abia, Rivers, Imo, Enugu, Bayelsa, Ebonyi, Lagos, Ogun, Osun, Ondo, Oyo, Ekiti, Delta, Edo, Kwara	Abuja, Anambra, Cross River, Rivers, Enugu, Ebonyi, Lagos, Ogun, Osun, Ondo, Edo, Kwara, Imo, Abia, Oyo
North ZONE	Kaduna, Niger, Plateau, Bauchi, Nasarawa, Kogi, Benue, Adamawa, Taraba, Kano, Zamfara, Sokoto, Kebbi, Katsina, Yobe, Borno, Gombe, Jigawa	Kaduna, Plateau, Kogi, Kano, Sokoto, Yobe, Gombe, Benue, Bauchi, Katsina

### **Rules of Junior ANMC for JSS-3:**

- 1- There will be various exam centers for two different zones.
- 2-The registration shall be on a first-come, first-served basis.
- 3-There will be one zone for the 2<sup>nd</sup> round, and this zone will be in Abuja NTIC.
- 4-The minimum required correct answer is 65 (out of 75 questions) to be a qualified student in the 1st round, however, the committee is authorized to decide on the number of qualified students based on the results.
- 5-The qualified students of the 1<sup>st</sup> Round of Junior ANMC students will be called for the 2<sup>nd</sup> Round. In the 2<sup>nd</sup> Round, the qualified students will be tested for their Mathematics, English, and Physics knowledge. The students' learning skills level on the new content and their overall aptitude will be assessed in this round.
- 6-Exam Cards may be purchased from state coordinators or NTIC Schools. (at N2500) or visit [www.ntic.edu.ng](http://www.ntic.edu.ng) for online registration

**Students are expected to come for the exam in their school uniforms.**

You can get details of the venues for the exam from any of our school branches, or you may contact an officer from NMC and Ministries of Education across the states.

Students will be asked to shade the necessary information and their answers into answer sheets provided for them at the exam center, using pencils only. Since the answer sheets are in optic format, the pupils may not be used to shading the answers and the necessary information properly. **That is why we request the assistance of the teachers and the parents in teaching them how to shade into the optic forms properly.** Please, check page 13 of this booklet for sample shading. The reason for using the uncommon optic forms is to be able to mark the sheets and deliver the results within the shortest time, despite the fact that over 40,000 pupils/students are participating in this competition.

We expect to finalize the marking of the scripts within two months after the first stage. Please, note that the results will ONLY be announced on **the official website of the school (www.ntic.edu.ng)**

The results of 1<sup>st</sup> Round will be announced on the website 60 days after the state level.

**2<sup>nd</sup> Stage (Final Level):**

Although the winners will be given calls (on the number provided in the examination form) to be informed about the final stage, it is the winners' responsibility to check and learn about the results on time from our website. In the case where a winner does not come for the final stage for whatsoever reason, he/she cannot claim to proceed to the final stage.

**All qualified students for the second stage are to bring their birth certificates, letters of identification, and 2022-2023 academic session 1. Term report cards from their schools.**

**In a situation whereby a candidate did not come with any of the certificates mentioned above, such a candidate will automatically be disqualified from participating in the second round.**

The final stage of Junior ANMC will be conducted only in Abuja.

Each student is expected to be accompanied by one teacher. If two or more students come from the same school, only one teacher must accompany them.

Students and their trainers will be awarded according to page 11. The accommodation and public transport (by road) fee (to and from) for each winner and only one teacher from the winning school will be paid.

1<sup>st</sup> round winners must arrive at NTIC Abuja on 2<sup>nd</sup> April 2023.

In the 2<sup>nd</sup> Round, the qualified students will be tested for their Mathematics, English, and Physics knowledge. The students' learning skills level on the new content and their overall aptitude will be assessed on the 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> of April.

They will be able to return to their destinations after the Award Giving Ceremony on 6<sup>th</sup> April or 7<sup>th</sup> April 2023.

## *Awards and Prizes of Junior ANMC:*

### *2<sup>nd</sup> STAGE PRIZES FOR JSS-3 STUDENTS*

1. The Junior ANMC winners and their trainers will receive the following cash prizes.
2. The maximum of 20 students and their teachers will receive certificates of achievement.
3. The only reward is various scholarships at NTIC schools.
4. Maximum best 6 students of the 2<sup>nd</sup> Round will be offered a full scholarship (including tuition, feeding, and hostel except for other fees like books and uniforms) and the maximum next immediate 14 students will be offered various tuition fee scholarships. All these scholarships will be distributed at various NTIC branches. The organizing committee will do the placement of the winners.
5. The decision-making of the scholarships to participating students and their placements solely belongs to the organizing committee of Junior ANMC.
6. The organizers reserve the right to change or add to the rules and regulations if such addition or changes are required.
7. The scholarships are available only at Nigerian Tulip International Colleges.

### **Final Level Awards**

<b>POSITION</b>	<b>PUPIL'S CASH PRIZE</b>	<b>TEACHER'S CASH PRIZE</b>	<b>PUPIL'S MEDAL</b>
1 <sup>st</sup>	₦ 100,000	₦ 75,000	GOLD
2 <sup>nd</sup>	₦ 75,000	₦ 50,000	GOLD
3 <sup>rd</sup>	₦ 50,000	₦ 37,500	GOLD
4 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
5 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
6 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
7 <sup>th</sup>	₦ 35,000	₦ 25,000	GOLD
8 <sup>th</sup> -12 <sup>th</sup>			SILVER
13 <sup>th</sup> -20 <sup>th</sup>			BRONZE

## HOW TO CALCULATE THE SCORE OF A PARTICIPANT

**The score is calculated differently in every zone.**

**It is calculated according to the section average of the zone.**

The score of a participant is calculated with the following formula:

$$\text{Score} = \frac{(200 - \text{Max Rough Score} + \text{Rough Score})}{2}$$

$$\text{Rough Score} = A \times \text{Coef of Algebra} + G \times \text{Coef of Geometry} + \text{Apt} \times \text{Coef of Apt}$$

A, G, and Apt represent the number of correct answers of the participant in Algebra, Geometry and Aptitude, respectively.

That means the number of correct answers in Algebra, Geometry and Aptitude is multiplied by the coefficients of the section and then added together to obtain the Rough Score.

The coefficients in each section (Algebra, Geometry and Aptitude) are calculated as follows:

$$\text{Coefficient of the section} = \frac{\text{Number of questions}}{\text{General Average}}$$

For example, in the 15<sup>th</sup> edition of the competition, the General Averages in each section were as follows:

$$\text{Algebra Average} = 17.28 \text{ over } 35$$

$$\text{Geometry Average} = 5.95 \text{ over } 15$$

$$\text{Aptitude Average} = 9.47 \text{ over } 25$$

According to this, coefficients are calculated as follows:

$$\text{Coefficient of the section} = \frac{\text{Number of questions}}{\text{General Average}}$$

$$\text{Coefficient of Geometry} = \frac{15}{5.95} = 2.521$$

$$\text{Coefficient of Aptitude} = \frac{25}{9.47} = 2.64$$

**An example:** Assuming that a participant got 26 correct answers in Algebra, 13 correct answers in Geometry and 14 correct answers in Aptitude, then his/her rough score will be calculated as:

$$26 \times 2.0255 + 13 \times 2.521 + 14 \times 2.64 = 122.396 \text{ (Approximately)}$$

$$\text{Finally, his/her Score is calculated as } \frac{(200 - 174.7075 + 122.396)}{2} \cong 73.844$$

**PROPER SHADING OF THE ANSWER SHEET (OPTIC FORM):**

For fast and correct results, the pupils are expected to shade properly. From experience, we have observed that most pupils are not be used to shading optic forms. Even after being instructed by their invigilators on proper shading, many of them still shade wrongly. This challenge has been responsible for delays in releasing the result. For this reason, in this edition, we will use an improved version of the optic forms that will enable us to mark and release the results as soon as possible. However, we still request the help of teachers and parents to teach pupils how to shade properly before coming for the exam. You will see a SAMPLE of proper shading on the optic form. Teachers and parents are requested to train the pupils about how to shade properly. In case of wrong shading, we do not assume any responsibility. The pupils will get the results according to how they shaded.

Below is a sample of how to shade an optic form. The sample is hypothetically illustrated by a boy named IBRAHIM ADAMU BELLO, a Primary 6 pupil of the school FRIENDSHIP PRIMARY SCHOOL, GWAGWALADA, FCT.

**NTIC** Logo

Name - Surname: IBRAHIM ADAMU BELLO  
 Present Class: PRIMARY 6 School: FRIENDSHIP PRIMARY SCHOOL  
 Exam Center: NTIC State: FCT Tel: 08055755574  
 Examination Number: \_\_\_\_\_ Local Government: GWAGWALADA

**1. SURNAME - NAME**  
 I B R A H I M A D A M U B E L L O

**2. NAME OF SCHOOL**  
 F R I E N D S H I P P R I M A R Y S C H

**3. PRESENT CLASS**  
 P1 P2 P3 P4 P5 P6 P7 P8 P9 P10

**4. GENDER**  
 FEMALE MALE

**5. TYPE OF SCHOOL**  
 PUBLIC PRIVATE

Supervisor's Signature \_\_\_\_\_

**TEST**

1. (A) (B) (C) (D) (E) 26. (A) (B) (C) (D) (E) 51. (A) (B) (C) (D) (E)  
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 25. (A) (B) (C) (D) (E) 50. (A) (B) (C) (D) (E) 75. (A) (B) (C) (D) (E)

**6. TEACHER'S PHONE NUMBER**  
 08 0 5 1 9 0 8 0 1 0

**7. FAMILY PHONE NUMBER**  
 08 0 5 5 7 5 5 7 4

**8. EXAMINATION NUMBER**  
 0 0 0 0 1

**9. STATE CODE**  
 0 0

**INSTRUCTION TO CANDIDATES**  
 • Use grade HB pencil throughout  
 • Answer each question by choosing one letter and shade

**CORRECT SHADING**  
 (A) (B) (C) (D) (E)

**WRONG SHADING**  
 (A) (B) (C) (D) (E)

• Erase completely any answer you wish to change.  
 • Leave extra spaces blank if the answer spaces provided are more than you need.  
 • Do not make any markings across the heavy black marks at the left hand edge of your answer sheet.

Now, let us see in detail.

	Name - Surname : IBRAHIM ADAMU BELLO	School : FRIENDSHIP PRIMARY SCHOOL	
	Present Class : PRIMARY 6	State : FCT	Tel: 08055755574
	Exam Center : NTIC	Local Government : GWAGWALADA	
	Examination Number :		

At the top of the optic form, there is a part where the pupil will write, in block letters, his/her full name, his/her present class, name of his/her school, state and local government where he/she lives and a number that we can contact him with.

1. SURNAME - NAME																											
I	B	R	A	H	I	M		A	D	A	M	U		B	E	L	L	O									
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

He/she will insert the letters of his/her full name in the boxes such that every box may have only a single letter. 'I' into the first box, 'B' into the second box, 'R' into the third and so on. (As the sample name is I-B-R-A-H-I-M)

Then, he/she should find the corresponding letters under every letter. He/she should find 'I' under 'I' and shade it, 'B' under 'B' and shade it and so on. While filling out, he/she should fill inside the circle completely without overflowing.

In this part, the pupil is to shade his/her school (but not the school he/she is taking the Maths Competition). In the same way, he/she shades his/her school.

Pupils from the same school should code their school in the same way. For example, the pupils from Friendship Primary School may all code it as Friendship Primary Sch.

It is not proper to have the name of the same school written in different versions like this: Friendship Pry Sch, Friendship Pry School, Friendship N/P School, FNPS and so on. Thus, we need the assistance of the teachers to decide on a single version of the school's name and teach the pupils to code that version before coming for the exam.

**2. NAME OF SCHOOL**

F	R	I	E	N	D	S	H	I	P	P	R	I	M	A	R	Y	S	C	H
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

<b>3. PRESENT CLASS</b>										<b>4. GENDER</b>		<b>5. TYPE OF SCHOOL</b>	
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	F	M	PUBLIC	PRIVATE

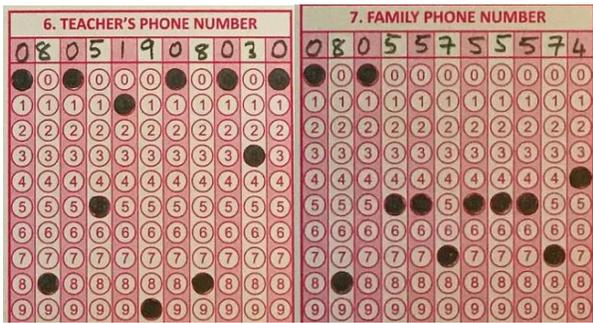
The pupil should also shade his/her present class, gender and the type of the school (i.e., Public or Private)

**8. EXAMINATION NUMBER**

0	0	0	0	0	1
1	1	1	1	1	0
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
-	-	-	-	-	-

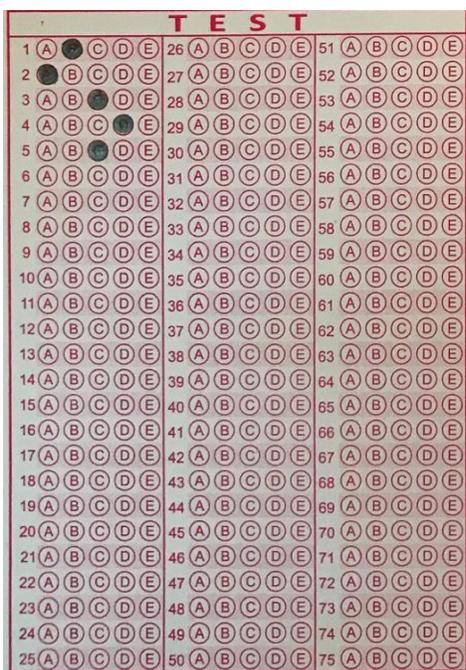
At this part, the examination number of the pupil has been shaded already. **PUPILS must not touch this part!**

The pupils should be asked to record their examination number when their optic form is given to them. It will assist them in receiving their results in a very short time.



At the PHONE NUMBER part, he/she will insert the phone numbers of his/her parents as well as the teacher's phone number. Pupils can always make reference to their examination card for their teacher's phone number in case they do not know it offhand.

Also, remember that every box may have only a single number. Then, he/she should find the corresponding number under every number. He/she should find '0' under '0' and shade



it, '8' under '8' and shade it and so on. While filling out, he/she should fill in inside the circle completely without overflowing

At the TEST part, the pupil is expected to shade the answers. There are numbers from 1 to 75, as shown above. For every question, there are letters from A to E. The students should shade their answers to the corresponding numbers. For example, if the answer to question 1 is B, the choice B is to be shaded for question 1. Since there are 75 questions in the examination, only the questions from 1 to 75 will be shaded.

Note that, if a pupil shades more than one answer in a line, his answer will be regarded as a wrong answer. In case he changes his mind about one of his answers, he should erase the previous one completely by using a soft eraser before marking the new choice.

Note that machines are evaluating the optic forms. Thus, the pupils should be aware that the machine cannot read their results if:

- they use biros instead of pencils,
- they shade more than one answer for any question,
- they do not make proper shading.

Optionally, all the students are advised to do shading practice on [www.ntic.edu.ng](http://www.ntic.edu.ng)

Video "How to Shade Answer Sheet in ANMC" is available at [www.ntic.edu.ng](http://www.ntic.edu.ng)