

NATIONAL EXAMINATIONS COUNCIL (NECO), MINNA

2013 National Common Entrance Examination (NCEE)

PAPER I. TIME ALLOWED: 1 hour 45 mins.

Part A: MATHEMATICS AND GENERAL SCIENCE
Part B: QUANTITATIVE AND VOCATIONAL APTITUDE

Do not open this booklet until you are told to do so. While you are waiting, read the following instructions carefully.

1. Use **HB** pencil throughout.
2. Check that the details printed on your answer sheet are correct.
- (d) In the space marked Name, check that your name is printed correctly.
- (e) In the box marked Examination Number, check that the digits of your examination number are correctly printed in the spaces on the left-hand side. There are numbered spaces in line with each of these digits. For each digit, the space with same number as the digit has been shaded. Using a pencil, reshade each of these shaded spaces.
- (f) In the box marked Sex, check that the space marked, M, has been shaded if you are a male, or F, if you are a female. Reshade the appropriate space.

An example is given below for a male candidate whose examination number is 413257AE.

EXAMINATION NUMBER							
4	1	3	2	5	7	A	E
[0]	[0]	[0]	[0]	[0]	[0]	[A]	[A]
[1]	[1]	[1]	[1]	[1]	[1]	[B]	[B]
[2]	[2]	[2]	[2]	[2]	[2]	[C]	[C]
[3]	[3]	[3]	[3]	[3]	[3]	[D]	[D]
[4]	[4]	[4]	[4]	[4]	[4]	[E]	[E]
[5]	[5]	[5]	[5]	[5]	[5]	[F]	[F]
[6]	[6]	[6]	[6]	[6]	[6]	[G]	[G]
[7]	[7]	[7]	[7]	[7]	[7]	[H]	[H]
[8]	[8]	[8]	[8]	[8]	[8]	[I]	[I]
[9]	[9]	[9]	[9]	[9]	[9]	[J]	[J]

FOR SUPERVISOR USE ONLY

If candidate is absent, shade this space. ☐

Indicate your sex by shading M (Male)

☒ M

F (Female)

☐ F

INSTRUCTIONS TO CANDIDATES

1. Use HB pencil throughout.
2. Answer each question by choosing one letter and shading it like this [A] [B] [C] [D] [E]
3. Erase completely any answer you wish to change.
4. Leave extra space blank if the answer space provided are more than you need.
5. Do not make any markings across the heavy black marks at the right edge of your answer sheet.
3. When you have chosen the answer to a question, shade the space which has the same letter as the letter of the answer you have chosen.
4. Think carefully before you shade the answer spaces, erase completely any answer you wish to change.
5. If you shade more than one answer space for a question, you will score zero for that question.
6. When you are told to begin, answer the questions, as quickly and carefully as you can. If you cannot answer a question, do not spend too much time on it, but try the next one.
7. There are fifty questions in Mathematics and General Science paper for which you are allowed 65 minutes. There are fifty questions in the Quantitative and Vocational Aptitude paper, for which you are allowed 40 minutes.
8. Do not ask any questions once the examination has started. The Supervisor is not allowed to explain any questions to you during the examination.

PART A
MATHEMATICS

1. Write in figure, forty-two thousand and eighteen.
A. 420,118
B. 420,018
C. 42,118
D. 42,108
E. 42,018
2. Find the sum of 0.02, 7.4 and 2.58.
A. 8
B. 9
C. 10
D. 11
E. 12
3. What is the L.C.M. of 16 and 24?
A. 8
B. 16
C. 24
D. 40
E. 48
4. Express 'x' cm in metres.
A. (0.01x) metres
B. (0.1x) metres
C. (x) metres
D. (10x) metres
E. 100x metres
5. When 5 is added to six times a number, the result is 35. What is the number?
A. 4
B. 5
C. 6
D. 7
E. 8
6. If $x + 4 = 6$, what is the value of x^3 ?
A. 2
B. 4
C. 8
D. 16
E. 36
7. If $3y = 27$, what is the value of y ?
A. 3
B. 6
C. 9
D. 18
E. 21
8. If the product of 2 and 10 is divided by the sum of 2 and 3, the result is
A. 2.
B. 3.
C. 4.
D. 5.
E. 10.

9. The three angles of a triangle are in the ratio 2:3:5. Calculate the size of the smallest angle.
- 90°
 - 54°
 - 36°
 - 30°
 - 20°
10. If the perimeter of a square floor is 32m, find its area.
- 64m^2
 - 32m^2
 - 24m^2
 - 16m^2
 - 8m^2
11. What is the value of 75% of 48?
- 27
 - 36
 - 64
 - 72
 - 123
12. If a shirt costs ₦550.00 and a pair of shoes costs ₦2,500.00, what is the cost of three shirts and two pairs of shoes?
- ₦1,650.00
 - ₦3,050.00
 - ₦5,000.00
 - ₦6,650.00
 - ₦8,600.00
13. A labourer is paid ₦4,500 per month. Calculate his annual salary.
- ₦60,000.00
 - ₦54,000.00
 - ₦45,000.00
 - ₦43,200.00
 - ₦42,000.00
14. If 3:2 is expressed in the form of p:4, find the value of p.
- 1
 - 2
 - 3
 - 4
 - 6
15. Solve the equation: $2x + 5x = 35$.
- 7
 - 6
 - 5
 - 4
 - 3
16. What interest will ₦850.00 yield in 2 years at 15% per annum?
- ₦127.50
 - ₦245.00
 - ₦255.00
 - ₦274.00
 - ₦300.00
17. Ogaga and Ochuko are to share ₦1000.00 in the ratio 2:3. How much will Ogaga take home if he is to pay half of his share as debt?
- ₦600.00
 - ₦400.00
 - ₦300.00
 - ₦200.00
 - ₦100.00
18. The minute hand of a clock turned 10 minutes. How many degrees has it turned?
- 10°
 - 25°
 - 40°
 - 60°
 - 95°

**For the remaining part of the package,
contact: Tests Administrator, ASSURE
Educational Services, Lagos –
07063397940, 08050701465**

**ASSURE Educational Services will conduct
online mock tests for students preparing
for the 2015 National Common Entrance
Examination, to ascertain their level of
preparedness for the examination.**

**Pupils can review their performance in
each of the questions attempted, see
correct answers and detail solutions**

**Registration is in progress. To register,
contact: The Tests Administrator, ASSURE
Educational Services, Lagos –**