

NATIONAL EXAMINATIONS COUNCIL (NECO), MINNA
2017 National Common Entrance Examination (NCEE)

PAPER I. ACHIEVEMENT TEST TIME ALLOWED: 2 hours, 10 mins.

Part A: MATHEMATICS AND GENERAL SCIENCE
Part B: ENGLISH AND SOCIAL STUDIES

INSTRUCTIONS TO CANDIDATES:

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

1. There are fifty questions in Mathematics and General Science paper for which you are allowed 65 minutes. Also, there are sixty questions in English and Social Studies paper, for which you are allowed 65 minutes.

2. Use HB pencil throughout.

3. Check that the details printed on your answer sheet are correct.
   (a) In the space marked "Name", check that your name is printed correctly.
   (b) 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.
   (c) 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.

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

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   SEX

   Indicate your sex by shading M (Male)
   F (Female)

4. 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. Shade it like this
   [A] [B] [C] [D] [E]

5. Leave extra spaces blank if the answer spaces provided are more than you need.

6. Do not make any marking(s) across the heavy black marks at the right edge of your answer sheet.

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Turn Over.
PART A
MATHEMATICS

1. Convert 574 to Roman numerals.
   A. DLXXVI
   B. DLXXIV
   C. DLXXIII
   D. DLXIV
   E. DXXIV

2. Correct 0.0579 to 2 significant figures.
   A. 0.05
   B. 0.057
   C. 0.0579
   D. 0.058
   E. 0.6

3. Arrange $2/3$, $5/6$, $1/2$ and $1/4$ in ascending order.
   A. $1/4, 5/6, 2/3, 1/2$
   B. $1/4, 2/3, 1/2, 5/6$
   C. $1/2, 2/3, 1/4, 5/6$
   D. $1/4, 1/2, 2/3, 5/6$
   E. $2/3, 1/4, 1/2, 5/6$

   A. $3/2$
   B. $4/3$
   C. $2/3$
   D. $1/3$
   E. $1/4$

5. In a class, there are 20 girls and 30 boys. Find the ratio of girls to boys.
   A. 6 : 4
   B. 4 : 5
   C. 3 : 2
   D. 2 : 3
   E. 1 : 6

6. Ade bought a pair of shoes for ₦1000.00 and sold it for ₦800.00. What is his percentage loss?
   A. 25
   B. 20
   C. 15
   D. 10
   E. 5

7. Express 0.75 as a fraction.
   A. $1/4$
   B. $3/8$
   C. $1/2$
   D. $3/4$
   E. $5/4$

8. Find the simple interest on ₦8000.00 for 4 years at 2% per annum.
   A. ₦640.00
   B. ₦800.00
   C. ₦940.00
   D. ₦950.00
   E. ₦1200.00
9. A girl bought 3 sachets of detergent for ₦120.00. For how much would she buy 20 sachets?
   A. ₦800.00
   B. ₦650.00
   C. ₦500.00
   D. ₦360.00
   E. ₦240.00

10. The sum of 16 and 20 is divided by the product of 6 and 2, find the result.
   A. 1
   B. 3
   C. 5
   D. 7
   E. 8

11. \( \frac{1}{5} \) is equivalent to
   A. 40%.
   B. 35%.
   C. 30%.
   D. 25%.
   E. 20%.

12. If I spend \( \frac{6}{11} \) of my money on books, what fraction of it will remain?
   A. \( \frac{2}{11} \)
   B. \( \frac{3}{11} \)
   C. \( \frac{4}{11} \)
   D. \( \frac{5}{11} \)
   E. \( \frac{6}{11} \)

13. Find 80% of ₦20.00.
   A. ₦18.00
   B. ₦16.00
   C. ₦14.00
   D. ₦12.00
   E. ₦10.00

14. Which of the following is not a perfect square?
   A. 100
   B. 81
   C. 65
   D. 49
   E. 36

15. A gardener is paid ₦12,400.00 per month. Find his total annual salary.
   A. ₦148,800.00
   B. ₦144,800.00
   C. ₦84,800.00
   D. ₦62,000.00
   E. ₦49,600.00

16. A can of coca-cola costs ₦120.00. How many cans can one buy with ₦960.00?
   A. 1
   B. 8
   C. 9
   D. 10
   E. 12

17. Chinedu earns ₦2000.00 in 10 days. How much does he earn in 6 days if he earns equal amount daily?
   A. ₦32,200.00
   B. ₦32,000.00
   C. ₦12,000.00
   D. ₦3,200.00
   E. ₦1,200.00
18. One-fifth of a number is subtracted from four-fifth of the same number. If the result is 9, what is the number?

A. -15
B. -9
C. 3
D. 9
E. 15

19. A particular local government charges N1000.00 monthly for each market stall. What is the total rent collected monthly for 240 stalls?

A. N2400.00
B. N8600.00
C. N8900.00
D. N24000.00
E. N240,000.00

20. Ese is 23 years old and her younger sister is 19 years old. What was the sum of their ages 13 years ago?

A. 13 years
B. 14 years
C. 15 years
D. 16 years
E. 17 years

21. Simplify \( \frac{1}{2} + \frac{3}{4} - \frac{2}{7} \times \left( \frac{1}{3} + 2 \right) \).

A. \( \frac{25}{12} \)
B. \( \frac{17}{12} \)
C. \( \frac{5}{12} \)
D. \( \frac{3}{4} \)
E. \( \frac{7}{12} \)

22. Given that \( a = 7 \), \( b = 5 \) and \( c = 5 \). Find the square root of \( 3a + 2b + c \).

A. 25
B. 15
C. 10
D. 9
E. 6

23. If \( 4y^2 - 37 = 27 \), what is the positive value of \( y \)?

A. 10
B. 4
C. 3
D. 2
E. 1

24. The area of a square is 9 cm\(^2\). Find the perimeter of the square.

A. 3 cm
B. 6 cm
C. 9 cm
D. 12 cm
E. 27 cm

25. What is the perimeter of a rectangle with length \( 8 \frac{1}{2} \) cm and width \( 2 \frac{1}{2} \) cm?

A. 16 cm
B. 18 cm
C. 20 cm
D. 22 cm
E. 24 cm

26. Given that \( 45 + 5t = 90 \), find the value of \( t \).

A. 4
B. 5
C. 7
D. 9
E. 11
To get the complete copy of the Past Questions
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THE NATIONAL COMMON ENTRANCE EXAMINATION
The Past Question consists of the following:

PAPER I
Part A - Mathematics and General Science
Part B - Quantitative and Vocational Aptitude

PAPER II
Part A - English and Social Studies
Part B - Verbal Aptitude

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PART B
ENGLISH

SECTION A

COMPREHENSION

Read the passages below carefully and answer the questions that follow by choosing the most appropriate of the options lettered A – E (Nos. 1-10).

PASSAGE 1

Long time ago, babies began to talk immediately they were born. They could tell their mothers when they were sick, thirsty or hungry and needed some food.

One day, a woman left her newborn baby in the room and rushed to fetch water from a nearby stream. A woman, newly married, entered the room to fetch fire for her evening meal. Unknown to her that the baby was watching, she quickly took some of the meat that was kept across the hearth. When the mother of the baby returned, he disclosed to her that the woman had taken some of the meat.

The matter was taken to the king and the baby narrated how the woman hid the meat under her cloth before leaving the room. The new wife and her husband bowed their heads in shame. The king himself was embarrassed by the incident.

News of the incident spread all over the kingdom and people mocked the woman anytime they saw her passing. ‘This cannot be allowed to continue’, cried the king. ‘Babies must be stopped from embarrassing adults with their talks.’

He ordered that a lump of flesh be forced down the throats of newborn babies to prevent them from talking until they are old enough to differentiate between right and wrong.

1. According to the passage, babies

A. cried for their needs.
B. talked before they were born.
C. talked but no longer do now.
D. talked only when they had problems.
E. talked only when they saw evil.

2. The new wife entered the room to

A. check if the baby was awake.
B. cook her meal.
C. fetch fire for her meal.
D. steal the meat.
E. watch over the baby.
The woman knew her meat was stolen because...

A. her neighbour informed her.
B. she hid somewhere in the room.
C. she saw the new wife coming out of her room.
D. the baby informed her.
E. the meat was not the way she left it.

The most suitable title for this passage could be:

A. Babies and their Mothers.
B. The Embarrassed Woman.
C. The Final Judgment.
D. The Stolen Meat.
E. Why Babies Don't Talk.

PASSAGE II

If you could look inside a television set or inside the walls of a house, you'd find a network of electric wires. This network doesn't puzzle electricians because each wire is a different colour to show what kind of wire it is. The different colours tell the electricians where each wire should be connected. We call this colour coding.

Colour coding helps many other people as well. People in business often use files with different coloured stickers on them. Each colour means something to the people using the file. Map makers also have colour codes. They use different colours for states or countries, so that you can see where one ends and another begins.

In the sport of archery, archers use bows to shoot arrows at targets. Each coloured circle on the target means a different number of points. An arrow in the golden bull's-eye in the centre of the target scores the highest number. The archers shoot a certain number of arrows at the target and then collect their arrows. Each archer recognizes his arrows by the colours painted on the shafts.

Colours can also be codes for players or points in other games such as chess, draughts, backgammon, tiddlywinks, marbles and cards.

Pulled from Child Craft World Book International Volume 15
6. Another word that can replace ‘puzzle’ as used in the passage is
   A. confuse.
   B. disorganize.
   C. injure.
   D. shock.
   E. surprise.

7. The word ‘golden’ as used in the passage is
   A. a noun.
   B. a pronoun.
   C. a verb.
   D. an adjective.
   E. an adverb.

8. According to the passage, in which of these games can colour be used to score points?
   A. Badminton
   B. Chess
   C. Football
   D. Hockey
   E. Scrabble

9. To score high in the sport of archery, the arrow must
   A. be recognized by the archer.
   B. hit the golden bull’s-eye.
   C. hit the target.
   D. reach the colours in the target.
   E. remain in the target.

10. Colour coding helps the following except
    A. archers.
    B. businessmen.
    C. electricians.
    D. footballers.
    E. map makers.

SECTION B: LEXIS

Choose from the options lettered A – E. the one that is nearest in meaning to the word in italics (Nos. 11 – 15).

11. We found the missing items inside the cupboard in the store.
    A. abandoned
    B. forgotten
    C. hidden
    D. lost
    E. neglected

12. The pupils are eager to go on holiday.
    A. afraid
    B. desperate
    C. keen
    D. prepared
    E. reluctant

13. The enemies invaded the village
    A. attacked
    B. conquered
    C. encamped
    D. searched
    E. visited

14. The eyewitness gave a vivid account of the fatal accident.
    A. brief
    B. brilliant
    C. detailed
    D. horrible
    E. vague
15. I shall certainly pass my examinations if I study very hard.

A. definitely
B. doubtfully
C. frankly
D. honestly
E. truthfully

Choose from the options lettered A–E, the one that is most nearly opposite in meaning to the word in italics (Nos. 16–20).

16. The child felt secured in his mother’s arms.

A. abandoned
B. comfortable
C. detached
D. protected
E. unsafe

17. The soldiers retreated when their commander was shot.

A. advanced
B. begged
C. disappeared
D. mourned
E. surrendered

18. The criminal did not show any sign of guilt during interrogation.

A. forgiveness
B. innocence
C. regret
D. repentance
E. weakness

19. He was elevated for his hard work.

A. demoted
B. praised
C. punished
D. rebuked
E. rewarded

20. The comforting word sent him to sleep.

A. angry
B. consoling
C. disturbing
D. pleasing
E. reassuring

SECTION C: STRUCTURE

Complete each of the following statements with the most appropriate of the options lettered A–E (Nos. 21–40).

21. Of the three cars, my uncle’s is the _____ expensive.

A. more
B. most
C. much
D. quite
E. so

22. I _____ some gifts from my friends.

A. received
B. receved
C. recevied
D. recieved
E. riceived

23. The child is suffering from

A. malnutrition.
B. malnutrision.
C. malnutrition.
D. manutrition.
E. melnutrition.

24. Okon has a _____ bag.

A. beautiful leather small
B. beautiful small leather
C. leather beautiful small
D. leather small beautiful
E. small beautiful leather
25. Mother was cooking lunch when I came back home.
   A. came
   B. come
   C. comes
   D. had come
   E. have come

26. I was advised to look up the word in the dictionary.
   A. at
   B. by
   C. down
   D. into
   E. up

27. Miss Gloria, together with her cousin, are visiting the United States of America next year.
   A. are
   B. has been
   C. was
   D. were
   E. will be

28. Abraham is thirsty, isn’t he?
   A. doesn’t
   B. is
   C. isn’t
   D. wasn’t
   E. will

29. The most appropriate prefix for the word ‘faithful’ is
   A. im-
   B. in-
   C. on-
   D. re-
   E. un-

30. She _____ to school everyday.
   A. is trekking
   B. trek
   C. trekked
   D. trekking
   E. treks

31. The teacher asked ____ shoes were left outside?
   A. these
   B. this
   C. those
   D. what
   E. whose

32. The hunters warned the villagers to beware ____ dangerous animals.
   A. against
   B. by
   C. from
   D. of
   E. with

33. Father hurt ____ when he fell down.
   A. himself
   B. itself
   C. oneself
   D. theirself
   E. themselves

34. Tayo and Tom _____ in the same class.
   A. are
   B. has been
   C. is
   D. is being
   E. were being
35. She is beautiful ____ arrogant.
   A. also  
   B. and
   C. but
   D. or
   E. while

36. It is often said that if wishes were ____ would ride.
   A. available, beggars
   B. cars, the rich
   C. horses, beggars
   D. horses, the rich
   E. planes, beggars

37. The robbers ____ ran out of the room when they saw the police.
   A. angrily
   B. forcefully
   C. gradually
   D. quickly
   E. sluggishly

38. The statement “You must finish your homework,” the teacher said, rewritten in the reported speech form becomes, The teacher said that ____ homework.
   A. he could finish my
   B. he might finish his
   C. he must have finished his
   D. I might finish my
   E. I must finish my

39. The statement “The cat ate the meat”, rewritten in the passive form becomes, The meat ____ by the cat.
   A. had been eaten
   B. has been eaten
   C. is being eaten
   D. is eaten
   E. was eaten

40. Indeed, ____ an examination without adequate preparation could lead to failure.
   A. to be writing
   B. to have been writing
   C. to have written
   D. to write
   E. writing

SOCIAL STUDIES

41. In Nigeria, ____ marriage is not lawful.
   A. Christian
   B. court
   C. Islamic
   D. same sex
   E. traditional

42. Which of the following is the responsibility of a good citizen?
   A. Delay in payment of taxes
   B. Disrespect for public property
   C. Disrespect for the dignity of others
   D. Fighting during election
   E. Service to the nation
43. To make Nigeria great, citizens must be

A. greedy.
B. irresponsible.
C. patriotic.
D. selfish.
E. tribalistic

44. Which of the following can lead to broken home?

A. Honesty
B. Obedience
C. Patience
D. Tolerance
E. Unfaithfulness

45. The totality of a people’s way of life is known as

A. culture.
B. family.
C. festival.
D. marriage.
E. religion.

46. The appointment of Emirs or Chiefs in a state is the duty of the

A. Chairman of the Local Government.
B. Commissioner for Local Government affairs.
C. Governor of the state.
D. President of the nation.
E. Speaker of the House.

47. The Nigeria flag has ____ colours.

A. 2
B. 3
C. 4
D. 5
E. 6

48. Which of these mineral resources is used for making roofing slabs?

A. Chrome
B. Columbite
C. Copper
D. Lead
E. Zinc

49. The instrument used for measuring temperature is called

A. anemometer.
B. barometer.
C. hydrometer.
D. hygrometer.
E. thermometer.

50. The number one citizen in Nigeria is the

A. Chief Justice.
B. Governor.
C. Inspector General of Police.
D. President.
E. Senate President.

51. The adulteration of our culture is easily noticeable through which of the following?

A. Dressing.
B. Fighting.
C. Plaiting.
D. Sleeping.
E. Walking.

52. An amount of money paid to a worker on a daily basis is

A. fees.
B. gifts.
C. loans.
D. subsides.
E. wages.
53. The following are self employment professions except
   A. banking.
   B. bricklaying.
   C. carpentry.
   D. shoe making.
   E. vulcanizing.

54. The largest seaport in Nigeria is located at
   A. Apapa.
   B. Calabar.
   C. Koko.
   D. Port Harcourt.
   E. Warri.

55. Communication is a way of sending and receiving
   A. inputs.
   B. messages.
   C. network.
   D. outputs.
   E. telegram.

56. A man whose wife is dead is called a
   A. bachelor.
   B. deceased
   C. husband.
   D. widow.
   E. widower.

57. The headquarters of the Nigeria Ports Authority is located in State.
   A. Akwa-ibom
   B. Cross-River
   C. Delta
   D. Lagos
   E. Rivers

58. ‘To defend her unity and uphold her honour and glory’ is a phrase taken from the
   B. National Anthem.
   C. National Identity Card.
   D. National Pledge.
   E. Nigeria Coat of Arms.

59. Your brother’s or sister’s son is your
   A. cousin.
   B. nephew.
   C. niece.
   D. step brother.
   E. uncle.

60. The movement of people and goods by sea is known as _____ transportation.
   A. air
   B. animal
   C. railway
   D. road
   E. water
NATIONAL EXAMINATIONS COUNCIL (NECO), MINNA

2017 National Common Entrance Examination (NCEE)

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Part B: VERBAL APTITUDE

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

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PART A

QUANTITATIVE APTITUDE

The series of problems below are based on quantitative reasoning. Before answering the questions, study the sample that precedes each set and use it to solve the problems in that set.

SAMPLE A

1. 5
   1
   ?

A. 1
B. 2
C. 3
D. 4
E. 5

2. 2
   5
   ?

A. 10
B. 20
C. 25
D. 40
E. 50

3. 49
   ?
   7
   35

A. 5
B. 6
C. 7
D. 8
E. 9

4. 36
   5
   ?
   30

A. 3
B. 6
C. 9
D. 12
E. 15

SAMPLE B

1
   4
   ½
   ÷ 6
   3
   5

A. 7
B. 5
C. 3
D. 2
E. 1

5
   9
   82

A. 7
B. 5
C. 3
D. 2
E. 1
6. \( \begin{array}{c} 2 \ \ \ \ ? \ \ \ \ 7 \\
\end{array} \)

A. 57  
B. 47  
C. 37  
D. 27  
E. 14

7. \( \begin{array}{c} 4 \ \ \ \ ? \\
\end{array} \) 

A. 15 
B. 10 
C. 5 
D. 3 
E. 1

SAMPLE C

\[
\begin{array}{cccc}
1 & 5 \\
2 & 3 \\
\frac{1}{4} & \frac{1}{2} \\
\frac{7}{4} & \frac{3}{2} \\
4 & 3 \\
\end{array}
\]

8. \( \begin{array}{c} 2 \ \ \ \ ? \ \ \ \ 3 \\
\end{array} \) 

A. 9 
B. 6 
C. 5 
D. 3 
E. 1

9. \( \begin{array}{c} 29 \\
\ ? \ \ \ \ 23 \\
\end{array} \) 

A. 10 
B. 9 
C. 6 
D. 5 
E. 4

10. \( \begin{array}{c} 13 \\
\ ? \ \ \ \ 8 \\
\end{array} \) 

A. 15 
B. 10 
C. 9 
D. 6 
E. 3

SAMPLE D

\[
\begin{array}{cccc}
2 & 1 & 3 & \frac{3}{2} \\
 & 7 & 5 & \frac{1}{4} \\
 & & 16 & \frac{1}{2} \\
 & & & 3 \\
\end{array}
\]

12. \( \begin{array}{c} \frac{1}{9} \ \ \ \ \ ? \\
\end{array} \) 

A. \( \frac{1}{8} \) 
B. \( \frac{1}{2} \) 
C. \( \frac{9}{16} \) 
D. \( \frac{3}{4} \) 
E. \( \frac{8}{9} \)
13.  
\[ \begin{array}{c}
3 \\
\downarrow \\
15 \\
\end{array} \]  
1.  
\[ \begin{array}{c}
1 \\
\downarrow \\
4 \\
\end{array} \]  
2.  
\[ \begin{array}{c}
9 \\
\downarrow \\
25 \\
\end{array} \]  
3.  
\[ \begin{array}{c}
2 \\
\downarrow \\
11 \\
\end{array} \]  
4.  
\[ \begin{array}{c}
3 \\
\downarrow \\
13 \\
\end{array} \]

A. 12  
B. 9  
C. 7  
D. 5  
E. 3

A. 9  
B. 7  
C. 5  
D. 3  
E. 1

A. 36  
B. 31  
C. 28  
D. 16  
E. 15

A. 4  
B. 3  
C. 2  
D. 1  
E. 0

A. 10  
B. 6  
C. 5  
D. 4  
E. 2
Each of the following questions consists of five words lettered A – E. Four of them have at least something in common while one is odd. Pick out the one that does not belong to the group.

An example is given below:

A. Clinic
B. Dispensary
C. Hospital
D. Maternity
E. Supermarket

The word that does not belong to the group is “Supermarket” which is lettered E. Therefore, answer space E would be shaded.

SECTION II

In each of the following questions, two incomplete words are given. Choose from the options lettered A-E, the one that will correctly complete the first word and begin the second (Nos. 6-10).

An example is given below:
The only letter that best completes the first word and begins the second is “o” which is lettered D. Therefore, answer space D would be shaded.

Now answer questions 6-10.

6. Ra( )id
   l
   a
   n
   t
   A. b
   B. g
   C. p
   D. q
   E. s

7. Fough( )
   r
   a
   d
   e
   A. c
   B. g
   C. l
   D. p
   E. t

8. ( )ictate
   i
   a
   m
   o
   n
   d

9. Co( )lect
   i
   v
   e

10. ( )ssay
    n
    j
    o
    y

   A. A
   B. E
   C. I
   D. O
   E. U
SECTION III

There are three sentences in each of the following questions. Read them carefully and choose which should come first, second, and then third.

An example is given below:

1. The boys were stung by the bees.
2. The boys went honey-hunting.
3. Their friends laughed at them.

A. 1, 2, 3
B. 1, 3, 2
C. 2, 1, 3
D. 2, 3, 1
E. 3, 2, 1

The correct answer is option C which is

2. The boys went honey-hunting.
1. The boys were stung by the bees.
3. Their friends laughed at them.

Therefore, answer space C would be shaded.

Now answer questions 11-15.

11. 1. The building will be rebuilt.
2. The building got burnt.
3. The gas cylinder exploded.

A. 1, 2, 3
B. 1, 3, 2
C. 2, 1, 3
D. 3, 1, 2
E. 3, 2, 1

12. 1. The meeting will start at 8 p.m.
2. I will be there.
3. The venue is Sheraton Hotel.

A. 1, 2, 3
B. 1, 3, 2
C. 2, 1, 3
D. 2, 3, 1
E. 3, 2, 1

13. 1. The Computer game is very interesting.
2. I like computer games.
3. I bought a new Computer game.

A. 1, 2, 3
B. 1, 3, 2
C. 2, 1, 3
D. 2, 3, 1
E. 3, 2, 1

14. 1. I hope you have yours.
2. I bought it yesterday.
3. This is my textbook.

A. 1, 2, 3
B. 2, 1, 3
C. 2, 3, 1
D. 3, 1, 2
E. 3, 2, 1

15. 1. AIDS is a disease.
2. It is deadly.
3. It can be avoided.

A. 1, 2, 3
B. 1, 3, 2
C. 2, 1, 3
D. 2, 3, 1
E. 3, 1, 2