

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.

- 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.
- Use HB pencil throughout.
- Check that the details printed on your answer sheet are correct.
 - In the space marked "Name", check that your name is printed correctly.
 - 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.
 - 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.

- 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]

| EXAMINATION NUMBER | | | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 4 | 1 | 3 | 2 | 5 | 7 | A | E |
| [0] | [0] | [0] | [0] | [0] | [0] | <input checked="" type="checkbox"/> | [A] |
| [1] | <input checked="" type="checkbox"/> | [1] | [1] | [1] | [1] | [B] | [B] |
| [2] | [2] | [2] | <input checked="" type="checkbox"/> | [2] | [2] | [C] | [C] |
| [3] | [3] | <input checked="" type="checkbox"/> | [3] | [3] | [3] | [D] | [D] |
| <input checked="" type="checkbox"/> | [4] | [4] | [4] | [4] | [4] | [E] | <input checked="" type="checkbox"/> |
| [5] | [5] | [5] | [5] | <input checked="" type="checkbox"/> | [5] | [F] | [F] |
| [6] | [6] | [6] | [6] | [6] | [6] | [G] | [G] |
| [7] | [7] | [7] | [7] | [7] | <input checked="" type="checkbox"/> | [H] | [H] |
| [8] | [8] | [8] | [8] | [8] | [8] | [I] | [I] |
| [9] | [9] | [9] | [9] | [9] | [9] | [J] | [J] |

| SEX | |
|---------------------------------------|-------------------------------------|
| Indicate your sex by shading M (Male) | <input checked="" type="checkbox"/> |
| F (Female) | <input type="checkbox"/> |

- Leave extra spaces blank if the answer spaces provided are more than you need.
- Do not make any marking(s) across the heavy black marks at the right edge of your answer sheet.
- Think carefully before you shade the answer spaces. Erase completely any answer(s) you wish to change.
- Do not shade more than one answer space for a question (if you do, you will score zero for that question).
- 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.
- Do not ask any question(s) once the examination has started. The Supervisor is not allowed to explain any question(s) to you during the examination.

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 $\frac{2}{3}$, $\frac{5}{6}$, $\frac{1}{2}$ and $\frac{1}{4}$ in ascending order.
- A. $\frac{1}{4}$, $\frac{5}{6}$, $\frac{2}{3}$, $\frac{1}{2}$
B. $\frac{1}{4}$, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{5}{6}$
C. $\frac{1}{2}$, $\frac{2}{3}$, $\frac{1}{4}$, $\frac{5}{6}$
D. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{5}{6}$
E. $\frac{2}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{5}{6}$
4. Find the square root of $\frac{4}{9}$.
- A. $\frac{3}{2}$
B. $\frac{4}{3}$
C. $\frac{2}{3}$
D. $\frac{1}{3}$
E. $\frac{1}{4}$
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. $\frac{1}{4}$
B. $\frac{3}{8}$
C. $\frac{1}{2}$
D. $\frac{3}{4}$
E. $\frac{5}{4}$
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 ₦1000.00 monthly for each market stall. What is the total rent collected monthly for 240 stalls?
- A. ₦2400.00
B. ₦8600.00
C. ₦8900.00
D. ₦24000.00
E. ₦240,000.00
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 $\frac{1}{2} + \frac{3}{4} - \frac{2}{7} \times (\frac{1}{3} + 2)$.
- 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 9cm^2 . Find the perimeter of the square.
- A. 3cm
B. 6cm
C. 9cm
D. 12cm
E. 27cm
25. What is the perimeter of a rectangle with length $8\frac{1}{2}\text{cm}$ and width $2\frac{1}{2}\text{cm}$?
- A. 16cm
B. 18cm
C. 20cm
D. 22cm
E. 24cm
26. Given that $45 + 5t = 90$, find the value of t .
- A. 4
B. 5
C. 7
D. 9
E. 11

**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 | 2. | The new wife entered the room to |
| A. | cried for their needs. | A. | check if the baby was awake. |
| B. | talked before they were born. | B. | cook her meal. |
| C. | talked but no longer do now. | C. | fetch fire for her meal. |
| D. | talked only when they had problems. | D. | steal the meat. |
| E. | talked only when they saw evil. | 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.

5. The king reasoned that if babies were allowed to continue talking, they could

- A. be too wise for their age.
- B. disgrace adults with their talks.
- C. disrespect adults.
- D. disturb their mothers.
- E. take over his kingdom.

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 files. 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, snooker, tiddlywinks, marbles and cards.

Adapted 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. malnutretion.
- 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 _____ back home.
- A. came
B. come
C. comes
D. had come
E. have come
26. I was advised to look _____ the word in the dictionary.
- A. at
B. by
C. down
D. into
E. up
27. Miss Gloria, together with her cousin, _____ visiting the United States of America next year.
- A. are
B. has been
C. was
D. were
E. will be
28. Abraham is thirsty, _____ 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
- greedy.
 - irresponsible.
 - patriotic.
 - selfish.
 - tribalistic
44. Which of the following can lead to broken home?
- Honesty
 - Obedience
 - Patience
 - Tolerance
 - Unfaithfulness
45. The totality of a people's way of life is known as
- culture.
 - family.
 - festival.
 - marriage.
 - religion.
46. The appointment of Emirs or Chiefs in a state is the duty of the
- Chairman of the Local Government.
 - Commissioner for Local Government affairs.
 - Governor of the state.
 - President of the nation.
 - Speaker of the House.
47. The Nigeria flag has _____ colours.
- 2
 - 3
 - 4
 - 5
 - 6
48. Which of these mineral resources is used for making roofing sheets?
- Chrome
 - Columbite
 - Copper
 - Lead
 - Zinc
49. The instrument used for measuring temperature is called
- anemometer.
 - barometer.
 - hydrometer.
 - hygrometer.
 - thermometer.
50. The number one citizen in Nigeria is the
- Chief Justice.
 - Governor.
 - Inspector General of Police.
 - President.
 - Senate President.
51. The adulteration of our culture is easily noticeable through which of the following?
- Dressing.
 - Fighting.
 - Plaiting.
 - Sleeping.
 - Walking.
52. An amount of money paid to a worker on a daily basis is called
- fees.
 - gifts.
 - loans.
 - subsidies.
 - wages.

53. The following are self employment professions except
- banking.
 - bricklaying.
 - carpentry.
 - shoe making.
 - vulcanizing.
54. The largest seaport in Nigeria is located at
- Apapa.
 - Calabar.
 - Koko.
 - Port harcourt.
 - Warri.
55. Communication is a way of sending and receiving
- inputs.
 - messages.
 - network.
 - outputs.
 - telegram.
56. A man whose wife is dead is called a
- bachelor.
 - deceased
 - husband.
 - widow.
 - widower.
57. The headquarters of the Nigeria Ports Authority is located in _____ State.
- Akwa-Ibom
 - Cross-River
 - Delta
 - Lagos
 - Rivers
58. 'To defend her unity and uphold her honour and glory' is a phrase taken from the
- Federal Constitution of Nigeria.
 - National Anthem.
 - National Identity Card.
 - National Pledge.
 - Nigeria Coat of Arms.
59. Your brother's or sister's son is your
- cousin.
 - nephew.
 - niece.
 - step brother.
 - uncle.
60. The movement of people and goods by sea is known as _____ transportation.
- air
 - animal
 - railway
 - road
 - water