NEWGATE COLLEGE

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FIRST MID TERM QUESTION 2026/2027 SESSION

CLASS: JSS 3

MATHEMATICS

Show all workings.

1a) Solve by factorization: $X^2 + 5X + 6 = 0$

b) Solve: $2X^2 - 7X + 3 = 0$ (c) Factorize: $6X^2 + 11X + 3$

2(a) Find the simple interest on N50,000 for 2 years 6 months at 8% per annum.

(b). Find the compound interest on N20,000 for 2 years at 10% per annum.

3(a) Convert: (i) 1101base 2 to base 10 (ii) 45base 10 to base 2

(b) Add: 1011+ 110 (c) 1010 + 101

4 (a) Expand: (x+4) (x+5)

(b) Expand: (2x-3)

BASIC TECHNOLOGY

. GEAR DRIVES

Identify types of gears

Draw and label:

- Spur gear
- Bevel gear
- Worm gear
- Rack and pinion

- State where each is used

YORUBA

1. Salaye itumo faweli, konsonanti ati silebu

2. Ko owe yoruba meji pelu itumo re

3. Ko aroko kukuru nipa " Anfaani kiko ede yoruba fun awon Odo"

BUSINESS STUDIES

In a cardboard paper, draw and label five modern office equipment indicating their uses.

DIGITAL TECHNOLOGY

SECTION A: OBJECTIVE QUESTIONS

Choose the correct answer from options A–D.

1. Which of the following is a spreadsheet application? A. Microsoft Word B. Microsoft Excel C. Microsoft PowerPoint D. Microsoft Paint

2. Which spreadsheet function is used to calculate the average of numbers? A. SUM B. MAX C. AVERAGE D. COUNT

3. What is a database? A. A collection of related data organized for easy access B. A computer keyboard C. A type of printer D. A drawing application

4. In a database table, a row is also called a _____. A. Field B. Record C. Column D. Cell reference

5. Which of the following is an example of database management software? A. Microsoft Access B. Microsoft Paint C. Calculator D. Windows Media Player

SECTION B: THEORY QUESTIONS……. Answer all questions.

6. Define a spreadsheet.

7. State one use of the SUM function in a spreadsheet.

8. Mention one use of data analysis in a spreadsheet.

9. What is a database table?

10. State one advantage of using a database.

HISTORY

Cut and paste pictures of Nigeria's past presidents up to the present.

Boys: Paste pictures of the first eight past presidents.

Girls: Paste pictures of the second eight past presidents till

ENGLISH

You are the chief speaker in a debate on the topic, "Corruption is worse than armed robbery." Write for or against the motion.