

**GENERAL CERTIFICATE OF EDUCATION BOARD**

Technical and Vocational Education Examination

**JUNE 2025**

**KAWLO**

**INTERMEDIATE LEVEL**

Specialty Name and Acronym	All Commercial Specialties
Centre Number	
Centre Name	
Candidate Identification Number	
Candidate Name	

Mobile phones are **NOT** allowed in the examination room.

**5020 BUSINESS MATHEMATICS 1: MULTIPLE CHOICE QUESTION PAPER**

**Duration: One and a Half Hours**

**INSTRUCTIONS TO CANDIDATES**

Calculators are **NOT** allowed in the examination room.

*Read the following instructions carefully before you start answering the questions in this paper. Make sure you have a soft HB pencil and an eraser for this examination.*

1. USE A SOFT HB PENCIL THROUGHOUT THE EXAMINATION.
2. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

*Before the examination begins:*

3. Check that this question booklet is headed "Intermediate Level-5020 BUSINESS MATHEMATICS 1"
4. Fill in the information required in the spaces above.
5. Fill in the information required in the spaces provided on the answer sheet using your HB pencil:  
**Candidate Name, Exam Session, Subject Code and Candidate Identification Number.**

Take care that you do not crease or fold the answer sheet or make any marks on it other than those asked for in these instructions.

*How to answer the questions in this examination:*

6. Answer **ALL** the **50** questions in this Examination. All questions carry equal marks.
7. Each question has FOUR suggested answers: **A, B, C** and **D**. Decide which answer is correct. Find the number of the question on the Answer Sheet and draw a horizontal line across the letter to join the square brackets for the answer you have chosen.  
For example, if **C** is your correct answer, mark **C** as shown below:  
[A] [B] **C** [D]
8. Mark only one answer for each question. If you mark more than one answer, you will score a zero for that question. If you change your mind about an answer, erase the first mark carefully, then mark your new answer.
9. Avoid spending too much time on any one question. If you find a question difficult, move on to the next question. You can come back to this question later.
10. Do all rough work in this booklet, using, where necessary, the blank spaces in the question booklet.
11. Mobile phones are **NOT** allowed in the examination room.
12. **At the end of the examination, the invigilator shall collect the answer sheet first then the question booklet. DO NOT ATTEMPT TO LEAVE TO THE EXAMINATION ROOM WITH IT.**

**Turn Over**



1. What is the net amount payable of goods listed at 500,000FCFA with a trade discount of 5% and a cash discount of 10%?

A 75,000FCFA  
B 25,000FCFA  
C 4,275,000FCFA  
D 50,000FCFA

2. The ratio of the quantity of sugar to that of flour used in baking is 1:4. How many kilograms of flour will be needed if 3kg of sugar are used?

A 3kg  
B 4kg  
C 5kg  
D 12kg

3.  $\frac{2}{3} \times \left(\frac{1}{2} + \frac{1}{4}\right)$  when simplified gives:

A  $\frac{1}{2}$   
B  $\frac{3}{4}$   
C  $\frac{4}{3}$   
D  $\frac{1}{5}$

4. At what rate will a capital of 100,000FCFA produce a simple interest in function of the time given in months of 500t ?

A 20%  
B 6%  
C 10%  
D 5%

5. ABOOU bought 3 plates and 5 glasses for 3500FCFA. If one glass costs him 300 FCFA, what is the cost of 3 plates?

A 1500 FCFA  
B 700 FCFA  
C 2400 FCFA  
D 2000 FCFA

6. Calculate the average age from the table.

Age (x)	Frequency (f)
20	3
40	2

A 60  
B 80  
C 28  
D 30

7.  $\frac{NV_1T_1 + NV_2T_2}{NV_1 + NV_2}$  represents the formula for

A Common due date  
B Average due date  
C Equivalence of bills  
D Maturity date

8. Mr CLEVANCE had 1,300,000FCFA as a debit balance in his account on the 30/06/2023. A customer paid 2,100,000FCFA into his account. What will be his balance?

A 1,300,000FCFA debit balance  
B 2,100,000FCFA credit balance  
C 800,000FCFA debit balance  
D 800,000FCFA credit balance

9. It took John 2hours 45minutes to cover a distance of 275km. Determine the speed.

A 60km/h  
B 137.5km/h  
C 100km/h  
D 110km/h

10. A bill created on the 3/7/2023 has 37days to mature. Give the maturity date.

A 11/08/2023  
B 9/08/2023  
C 10/08/2023  
D 8/08/2023

11. \$1=611FCFA and £1=764FCFA. Give the exchange rate between the dollar and the pound.

A 1\$ = 1.25£  
B 1\$ = 611£  
C 1\$ = 764£  
D 1£ = 1.25\$

12. A rectangular wall measures A meters by 2A meters. If the perimeter of the wall is 18m, what is the value of A?

A 6m  
B 12m  
C 9m  
D 3m

13. What is  $\frac{2}{5}$  of 25,000FCFA?

A 10,000FCFA  
B 62,500FCFA  
C 15,000FCFA  
D 25,000FCFA



14. Six bowls cost 1,800 FCFA. What will be the cost of 13 bowls?

A 3,700FCFA  
B 3,900FCFA  
C 4,200FCFA  
D 2,850FCFA

15. What is the probability of selecting a calculator from a bag mixed with phones given that there are 15 calculators and 25 phones?

A  $\frac{3}{8}$   
B  $\frac{5}{8}$   
C  $\frac{1}{8}$   
D  $\frac{3}{5}$

16. Give the common difference of an arithmetic progression with a first capital 100,000FCFA, the second 150,000FCFA and the third 200,000FCFA.

A 100,000FCFA  
B 150,000FCFA  
C 50,000FCFA  
D 200,000FCFA

17. The following are the progressive yearly acquired values of the capital of 200,000FCFA at simple interest.

yearly	Acquired value
1	200,000 FCFA
2	210,000 FCFA
3	220,500 FCFA

What is the compound interest after three years?

A 10,000FCFA  
B 10,500FCFA  
C 11,025FCFA  
D 20,500FCFA

18. A company pays a commission of 5% on sales values above 3,000,000FCFA. How much commission will the sales of 3,850,000FCFA yield?

A 192,500FCFA  
B 42,500FCFA  
C 150,000FCFA  
D 112,500FCFA

19. Find the simple interest on 70,000FCFA at 10% for 9 months.

A 5,250FCFA  
B 63,000FCFA  
C 5,550FCFA  
D 1,750FCFA

20. From  $4x + 30,000 = 90,000$  what is the value of  $x$ ?

A 75,000  
B 22,500  
C 15,000  
D 30,000

21. A given amount was shared between AMBE and ABDOL in the ratio 2:3. Given that AMBE received 400FCFA, how much was shared?

A 400FCFA  
B 1,000FCFA  
C 600FCFA  
D 1,400FCFA

22. A set of school materials consists of 60 pens, 40 rulers and 80 boxes of chalk. What angle will chalk will represent in the pie- chart.

A  $180^\circ$   
B  $80^\circ$   
C  $100^\circ$   
D  $160^\circ$

23.  $\frac{2}{5}$  of a piece of land is sold at 1,500,000FCFA. Give the total value of the land?

A 3,000,000FCFA  
B 3,750,000FCFA  
C 600,000FCFA  
D 7,500,000FCFA

24. 12 cup cakes are sold for 1,000FCFA and a cake is sold at 100FCFA. What is the percentage gain for buying in bulk?

A 20%  
B 10%  
C 1.1%  
D 11%

25. Complete set B if set A is directly proportional to set B.

$A = \{3, 10, 4\}$  and  $B = \{6, 20, -\}$

A 6  
B 7  
C 8  
D 6

Turn Over



26. A business entity in BUEA grills 20 chickens every day for 6 days a week. How many chickens will be grilled in 2 weeks?

A 120  
B 240  
C 40  
D 560

27. Simplify 200:800 to its simplest form

A 2:8  
B 1:4  
C 4  
D 0.4

28. If 1N = 4 FCFA and a trader left Cameroon for Nigeria with 3,600,000FCFA to buy goods worth 3,000,000FCFA. How much was his balance in Naira?

A 150,000N  
B 200,000N  
C 350,000N  
D 100,000N

29. What is the present value of a capital 300,000FCFA invested at 4% for 2 years?

A 276,000FCFA  
B 300,000FCFA  
C 194,000FCFA  
D 324,000FCFA

30. A piece of land measures  $625m^2$  sold at 5,000,000FCFA. What is the cost of a square metre?

A 10,000FCFA  
B 8,000FCFA  
C 1,000,000FCFA  
D 800,000FCFA

31. The deduction granted because of prompt payment of goods is called:

A A Rebate  
B A Cash discount  
C A Trade discount  
D The Net amount

32. What is the proportional mean of 5 and 45?

A 5  
B 9  
C 225  
D 15

33. What is the median score of the scores 12, 5, 16, 13, 13, 8?

A 14.5  
B 12.5

C 16  
D 13

34. BENNYA saves 102,000FCFA in his bank account that pays 5% interest per annum. How much will he withdraw after 18 months?

A 7,650FCFA  
B 94,350FCFA  
C 102,000FCFA  
D 109,650FCFA

35. After how many days will a bill of face value 960,000FCFA discounted at 12% p.a. produce a discount of 28,800FCFA?

A 30 days  
B 60 days  
C 90 days  
D 120 days

36. A train starts from a place A at 6:00 am and arrives at another place B at 4:30pm on the same day. If the speed of the train is 40km/h, find the distance covered by the train..

A 400km  
B 320km  
C 230km  
D 420km

37. A capital increases at an Arithmetic progression rate. If the first capital is 200,000FCFA and the common difference is 50,000FCFA, what will be the fourth capital?

A 350,000FCFA  
B 400,000FCFA  
C 450,000FCFA  
D 500,000FCFA

38. Calculate the charges at 0.2% of sending 20,000,000FCFA through western Union.

A 4,000,000FCFA  
B 400,000FCFA  
C 40,000FCFA  
D 4,000FCFA

39. A farmer shares a bonus between its 2 workers such that the first worker receives twice the second. If the first receives 15,000FCFA, how much was shared by the farmer?

A 30,000FCFA  
B 7,500FCFA  
C 15,000FCFA  
D 22,500FCFA



40. The probability of a student making it in school on time is  $\frac{2}{3}$ , what will be the probability of the student not making it in school on time?

A  $\frac{2}{3}$   
 B  $\frac{1}{2}$   
 C  $\frac{1}{3}$   
 D  $\frac{3}{2}$

41. Which of the following is equivalent to  $\frac{1}{4}$ ?

A 0.4  
 B 4  
 C 0.25  
 D 25

42. Convert 25.5kg to grams.

A 25500g  
 B 255000g  
 C 2550g  
 D 255g

43. What is the mark-up on cost of an article that costs 15,000FCFA and is sold for 18,000FCFA?

A 20%  
 B 16.6%  
 C 93.3%  
 D 120%

44. 2,100FCFA is shared directly proportional to 1:2:4. Calculate the share of the third person.

A 1,200FCFA  
 B 1,400FCFA  
 C 600FCFA  
 D 2,100FCFA

45. How much interest will a capital of 200,000CFA invested for 2 years at compound interest rate of 4% per annum produce?

A 16,320FCFA  
 B 16,000FCFA  
 C 8,320FCFA  
 D 8,000FCFA

46. What is the index if price increases from 18,000FCFA to 27,000FCFA?

A 1.5%  
 B 1.4%  
 C 1.2%  
 D 0.81%

47. Give the average of the number: 15, 17, 20 and 28.

A 20  
 B 15  
 C 17  
 D 28

48. A current account at the end of the period has a total amount of 5,049,475FCFA debited and capital balance of 499,175FCFA on the credit side. What is the total credit balance to be carried forward?

A 5,049,475FCFA  
 B 4,550,300FCFA  
 C 499,175FCFA  
 D 5,045,950FCFA

49. A worker is paid 3,000FCFA per hour and 3,500FCFA an hour of overtime. How will his gross salary be if he works 40 normal hours and 8 hours of overtime?

A 120,000FCFA  
 B 40,000FCFA  
 C 140,000FCFA  
 D 148,000FCFA

50. A profit of 3,500,000FCFA is divided as follows: 20% is kept aside as legal reserve and the rest is divided among 3 partners. How much will be shared to the partners?

A 700,000FCFA  
 B 2,800,000FCFA  
 C 4,200,000FCFA  
 D 3,500,000FCFA

**STOP**

**GO BACK AND CHECK YOUR WORK**