

CalBank Plc. Psychometric Assessment

Verbal reasoning

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2. Enter NSS Number (NSS.....) *

NSSGKP8320624

3. Find the statement(s) that must be true according to the given information.

Akoto is responsible for a newspaper delivery route. Every morning, he distributes 24 newspapers to residents in his local area. The task of delivering all the newspapers typically takes Akoto around 45 minutes. In cases where Akoto is unwell or occupied with other commitments, his neighbor Ntim, who resides on the same street, occasionally assists by taking over the newspaper delivery responsibilities.

- I). Akoto and Ntim live in the same neighborhood.
- II). It takes Ntim more than 45 minutes to deliver the papers.
- III). It is dark outside when Akoto begins his deliveries.
- IV). Ntim would like to have his own paper route. (4 Points)

☒ I

☐ I, II

☐ I, II, III

☐ None of the Above

4. Find the statement(s) that must be true according to the given information.

Previously, Kwabena didn't mind making the 1-hour journey since he could always get a chair on the bus, which made it comfortable for him to do things like read a novel on his mobile phone or respond to outstanding work emails. However, due to transformations to the bus system and timetable, his experience has changed significantly. The bus has grown noticeably crowded, and by the time it arrives at his stop, all of the seats are taken.

- I). Kwabena would be better off taking bicycle to work.
II). Many commuters will complain about the new train schedule.
III). Kwabena's commute is less comfortable since the train schedule changed.
IV). Kwabena will likely look for a new job closer to home. (4 Points)

☐ II, III

☒ None of the Above

☐ III

☐ I, II

5. In each of the following questions, three statements are given followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: **All PEWs are TABLES. Some TABLEs are HIGHWAYS. All HIGHWAYS are POLES.**

Conclusions:

- I). Some POLES are PEWs.
II). Some POLES are TABLES.
III). Some HIGHWAYS are PEWs.
IV). No POLE is PEW. (4 Points)

☒ None follows

- ☐ Only either I or IV, and III follow
- ☐ Only either I or IV follows
- ☐ Only either I or IV, and II follow

6. In the following question, you will find a statement followed by four (4) conclusions. Select the conclusion(s) that can be logically deduced from the provided statements.

Statements: Some Akans are Ewes. Some Ewes are Nzema. All the Nzemas are Hausas.

Conclusions:

- I). Some Hausas are Ewes.
- II). Some Nzema are Akans.
- III). No Nzema is Akan.
- IV). Some Ewes are Akans. (4 Points)

- ☐ Only (I) and (II)
- ☒ Only (II) and (IV)
- ☐ Only (II) and (III)
- ☐ Only (I) and (IV) and either (II) or (III)

7. You are working on a project and come across a difficult problem that seems to have no solution. What is the best approach?

- I) Give up and move on to another project
- II) Ask for help from a colleague or supervisor
- III) Keep working on the problem until a solution is found
- IV) Use trial and error to find a solution (4 Points)

- ☒ II
- ☐ II, III, IV

☐ II, III☐ I

8. Stephen was sent to the store to carry eleven large cans of fruit. Stephen could only carry 2 cans at a time. How many trips to the store did Stephen have to make? (4 Points)

☐ 4☐ 5☒ 6☐ 7☐ 8

9. A factory produces 500 units of a product in 6 hours. If the production rate decreases by 20%, how many units will be produced in 9 hours? (4 Points)

☒ 600 Units☐ 720 Units☐ 900 Units☐ 1,080 Units

10. A company's expenses in the first quarter were Ghs 50,000. In the second quarter, the expenses increased by 15%, and in the third quarter, they increased by an additional 10%. If the expenses in the fourth quarter decreased by 5% compared to the third quarter, what were the total expenses for the year? (4 Points)

☐ Ghs 200,000

- ☐ Ghs 210,000
- ☐ Ghs 220,000
- ☒ Ghs 230,000

11. A salesperson receives a base salary of Ghs 3,000 per month plus a 5% commission on all sales. If the salesperson's total earnings in a month were Ghs5,500, what were their total sales for the month? (4 Points)

- ☐ 40,000
- ☒ 50,000
- ☐ 60,000
- ☐ 70,000

12. Kofi is twice as good a workman as Kweku, working together both can finish a work in 18 days. Then in how many days can Kweku alone complete the work? (4 Points)

- ☐ 27 days
- ☒ 54 days
- ☐ 36 days
- ☐ 57 days
- ☐ 42 days

13. In a class, the average age of 30 boys is 13 years and the average of 20 girls is 12 years. What is the average age of the whole class? (4 Points)

- ☐ 12.5 years
- ☐ 14.2 years
- ☐ 12.3 years
- ☒ 12.6 years
- ☐ 12.8 years

14. The price of onga tablet was cut by 50% for a sale. By what percent must the item be increased to sell at the original price? (4 Points)

- ☐ 25%
- ☐ 50%
- ☐ 75%
- ☒ 100%
- ☐ 200%

15. Ten people can paint 60 houses in 120 days, so five people can paint 30 houses in: (4 Points)

- ☐ 15 days
- ☐ 30 days
- ☐ 60 days
- ☒ 120 days

16. **A. Passage:** "Kwabena has established himself as a strong draughtsman in the world of competitive draught. He has defeated skilled opponents on multiple occasions because to his strategic thinking and meticulous planning. He spends hours honing her abilities and researching old draught games in an effort to outplay his competitors."

B. Statement: "Kwabena has never lost a game of draught"

Is the statement True, False, or Cannot Say based on the information provided in the passage? (4 Points)

☐ True

☐ False

☒ Cannot Say

17. **A. Passage:** "The United States Department of Defense invented the internet in the 1960s. The objective was to build a network that, even if some of it were destroyed, would be immune to assault. The public soon had access to the internet, which was once only utilized by institutions of higher learning and the government. Millions of people use the internet every day for pleasure, business, and communication."

B. Statement: "The internet is used by everyone in the world".

Is the statement True, False, or Cannot Say based on the information provided in the passage? (4 Points)

☐ True

☒ False

☐ Cannot Say

18. **A. Passage:** "In the world of quantum physics, the phenomenon of entanglement remains one of the most intriguing mysteries. When two particles become entangled, their properties become correlated in such a way that the state of one particle instantaneously affects the state of the other, regardless of the distance between them. This phenomenon challenges our classical understanding of cause and effect and has led to groundbreaking developments in quantum information science."

B. Statement: "Entanglement between particles violates the principle of cause and effect."

Is the statement True, False, or Cannot Say based on the information provided in the passage? (4 Points)

- ☐ True
- ☐ False
- ☒ Cannot Say

19. Choose the option that best completes the analogy:

Epilogue : Play : _____ : Book (4 Points)

- ☐ Conclusion
- ☐ Preface
- ☐ Prologue
- ☒ Index

20. Select ALL sentence(s) that is/are similar but do NOT have the same meaning as the given sentence:

"The Mathematics Teacher delivered an engaging lecture on Parallelogram."

I) The Mathematics Teacher delivered an interactive workshop on the properties of parallelograms, encouraging students to participate actively in the learning process.

II) During the captivating lecture on geometry, the Mathematics Teacher focused on parallelograms and utilized multimedia tools to enhance understanding and engagement.

III) The Mathematics Teacher presented an engaging lecture on parallelograms, capturing the students' attention and interest in the subject matter

IV) Through a series of hands-on activities and demonstrations, the Mathematics

Teacher brought the concept of parallelograms to life, leaving a lasting impact on the students' understanding of the topic. (4 Points)

- ☐ I, II
- ☐ II, III, IV
- ☒ I, II, IV
- ☐ III

21. When 9 divide a number, and the remainder is 6, then what is the remainder when six times this number is divided by 9? (4 Points)

- ☒ 0
- ☐ 1
- ☐ 3
- ☐ 6

22. The product of $8 \times 3 \times 3 \times 2$ is less than the product of 18×16 ? (4 Points)

- ☒ True
- ☐ False

23. Which of the following number sequence(s) follows the same pattern as 1, 1, 2, 3, 5, ...?

- (I). 6, 11, 17, 26
- (II). 4, 7, 12, 20
- (III). 8, 13, 21, 34
- (IV). 9, 15, 24, 39 (4 Points)

☐ I, II, III☒ II, III☐ III☐ I, IV

24. A trader bought a carton of Cowbell 400g at 20% discount on its original price. He sold it at a 40% increase on the price he bought it. What percent of profit did he make on the original price? (4 Points)

☐ 10%☐ 11%☐ 20%☐ 15%☒ 12%

25. **Statements:** Some Musicians are Inexperienced. Certain Inexperienced individuals are Wealthy.

Conclusions:

I. Some Musicians are Wealthy.

II. Some Wealthy Individuals are Musicians. (4 Points)

☐ Only conclusion I follows☐ Only conclusion II follows☐ Either I or II follows☒ Neither I nor II follows

26. 4 men can sort files in 8 days working 5 hours regularly. What are the total hours when 2 men will check the double of the papers in 20 days? (4 Points)

- ☐ 5 hours
- ☐ 9 hours
- ☐ 7 hours
- ☐ 11 hours
- ☒ 8 hours

27. Terry is older than Mark and Sam is younger than Terry.

Which of the following statements is most accurate? (4 Points)

- ☐ Sam is older than Mark
- ☐ Sam is younger than Mark
- ☐ Sam is as old as Mark
- ☒ It is impossible to tell whether Sam or Mark is older

28. You have invited a number of colleagues to a meeting. Please rank their responses from the most to least positive:

1. Ok, sounds good, please can you send me the agenda?
2. I'm sorry, I can't make it but thanks for inviting me.
3. No. That's not convenient for me and I don't think I need to be there anyway.
4. Great – I'll look forward to seeing you there
5. Is it important that I'm there? Is there any chance I could grab the minutes from someone instead? (4 Points)

- ☐ 1, 5, 4, 3, 2

- ☐ 3,2,1,4,5
- ☐ 4, 2, 1,5, 3
- ☐ 5,4,2,1,3
- ☒ 4,1,2,5,3

29. Which of the five makes the best comparison?

YYZZYZZY is to 221112112 as YYZZYZZY is to: (4 Points)

- ☐ 221221122
- ☐ 22112122
- ☒ 22112112
- ☐ 112212211

30. Five boys A, B, C, D and E are sitting on a bench, not necessarily in the same order. B is next to D, and E is sitting at extreme right end, A is not adjacent to D, B is fourth from right end. Then which of the following is the correct arrangement? (4 Points)

- ☐ B D C A E
- ☐ E B C D A
- ☐ A D B C E
- ☒ B C D A E
- ☐ B A D C E

31. Which number should come next in the series? 144 121 100 81 64
(4 Points)

☐ 17

☐ 19

☐ 36

☒ 49

☐ 50

32. Thomas takes 7 days to paint a house completely whereas Joe requires 9 days to paint the same house completely. How many days will it take to paint the house if both work together? (4 Points)

☐ 3

☒ 4

☐ 5

☐ 8

☐ 7

33. Your search for a place for a toy business you want to operate in your community is being assisted by a real estate professional. You're trying to find a location that would draw the correct type of foot traffic and is either in the town center or isn't too far away. Where should your agent alert you to one of the following locations?? (4 Points)

☐ A store in the centre of the town, where most of the people are young, childless professionals who take the train to work every day, in a spanking new multi-story building near the railroad station.

- ☒ A petite store positioned three blocks from the primary street of the town, situated across from an elementary school and adjacent to an ice cream shop
- ☐ A stand-alone shop situated eight blocks from the town's center on a quiet residential street.
- ☐ A store inside a small retail center on the outskirts of the town that doubles as a laundry and drugstore.

34. You opened a bakery a year ago as an experienced bread maker known for your complex and gorgeous bread for occasions, only to discover that sales has been rather slow. According to a hired expert you for market research, the locals don't regard your institution as a regular stop but rather as a location for exceptional events. Which of the following strategies do you need to use to improve your regular business? (4 Points)

- ☐ Distributing readily available vouchers that entitle owners to a 26% discount on bread for celebrations such as weddings, anniversaries, or birthdays.
- ☒ Participating in the upcoming bread festival and distributing bread samples for tasting.
- ☐ Posting many ads promoting the variety of bread in the local newspaper
- ☐ Relocating the bakery to a different area of the city

35. Dr. Anaba, a busy child dental practitioner, is looking for a capable and dependable esthetician to guarantee that business runs well. The final three workers he hired, who were recommended by well-known local oral surgeons, both left their positions within a month. Finding an esthetician who can expertly handle the specific needs of her profession is currently of the utmost importance. Which of the following candidates ought to be Dr. Anaba's first priority? (4 Points)

- ☒ Abena boasts fifteen years of esthetic experience. On the verge of retirement, her current job praises her as the best in the business. Some of the wealthiest and most powerful people in the county make up her clientele.

- ☐ Kwame, who graduated at the pinnacle of her class from a premier dental hygiene program in the state, stands as a recent achiever. Prior to entering the field of dental hygiene, Eleanor dedicated two years to nurturing young minds in a day care center.
- ☐ At a public health clinic, Kwadwo has volunteered his time for three years as a dental hygienist. His goals center on obtaining employment with a private dental office.
- ☐ Adjoa, a skilled and well-recommended dental hygienist, is also working for a degree in early childhood education with the goal of becoming a preschool teacher. Her determination to land a job in a pediatric clinic is motivated by her passionate desire to work with children

36. The school headmaster has received concerns from parents regarding instances of bullying on the school playground during break time. They are eager to investigate and resolve this matter promptly, so they have instructed the playground supervisors to observe carefully. What situation should the playground supervisors report to the headmaster?

- I). A young boy is sitting alone on a bench, engrossed in a book and not engaging with his peers.
- II). A group of four children has encircled another child, appearing to be in possession of her backpack.
- III). Two male students are engaged in a one-on-one basketball game, engaged in a dispute over the last scored basket.
- IV). Three boys are clustered around a handheld video game device, which is prohibited on school premises. (4 Points)

- ☐ III
- ☒ II
- ☐ II, I
- ☐ II, III

37. Which numbers follow the sequence 50 45 40 35 30 and 20 15 10? (4 Points)

- ☐ 10

☐ 15☐ 30☒ 25☐ 20

38. What is the sum of the first 25 natural odd numbers? (4 Points)

☐ 652☐ 256☒ 625☐ 52☐ None of the above

39. Assume that these statements are true: All brown-haired men have bad tempers. Larry is a brown haired man. The statement that Larry has a bad temper is: (4 Points)

☒ True☐ False☐ Unable to determine

40. Henry.....at home, I can hear his voice from the kitchen. (4 Points)

☐ Has been

- ☐ Ought to have been
- ☐ Won't be
- ☐ Could have been
- ☒ Must be

41. Which number follows the sequence? 12, 37, 13, 36, 14..... (4 Points)

- ☒ 15
- ☐ 34
- ☐ 11
- ☐ 35
- ☐ 16

42. The total of the ages of Isaac, John and Anthony is 80 years. What was the total of their ages three years ago? (4 Points)

- ☐ 70 years
- ☐ 72 years
- ☒ 71 years
- ☐ 73 years
- ☐ None of these

43. Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?
(4 Points)

☐ J

☐ H

☐ R

☐ G

☒ K

44. Angela's grandmother's daughter could be Angela's son's grandmother? (4 Points)

☒ True

☐ False

45. What number should come next in the series, 1, 2, 3, 5, 8.....? (4 Points)

☐ 12

☐ 14

☐ 15

☒ 13

☐ 11

46. What can you conclude from the statement: All green are blue, all blue are red?

- i. Some blue are green
- ii. Some red are green
- iii. Some green are not red
- iv. All red are blue (4 Points)

☐ i or ii only but not both

☒ i & ii only

☐ iii or iv but not both

☐ iii & iv

47. Arrange the words given below in a meaningful sequence.

1. Wall 2. Clay 3. House 4. Room 5. Bricks (4 Points)

☒ 2 5 1 4 3

☐ 1 3 2 4 5

☐ 3 4 5 2 1

☐ 4 5 1 3 2

48. The price of a TV in 1970 increased by 300% in 1980. The price of the 1980 model TV increased by 200% in 1990. By what percentage did the price increase from 1970 to 1990? (4 Points)

☐ 500%

☐ 600%

☐ 900%

☒ 1100%

49. A car travelled 28 km in 20 minutes. How many km per hour was it travelling? (4 Points)

☐ 78 km

☐ 96 km

☐ 56 km

☒ 84 km

☐ 62 km

50. Two cars started a journey on the same road from opposite starting points. The speed of the first car is 120km/h and the speed of the other car is 60km/h. If it takes the first car 9 hours to cover half the distance, how long will it take the second car to cover the same distance? (4 Points)

☒ 18

☐ 16

☐ 14

☐ 12

51. Three pipes, A, B, & C are attached to a tank. A & B can fill it in 20 & 30 minutes respectively while C can empty it in 15 minutes. If A, B & C are kept open successively for 1 minute each, how soon will the tank be filled? (4 Points)

☒ 167 minutes

☐ 50 minutes

- ☐ 120 minutes
- ☐ 35 minutes

52. I have a few products to be distributed. If I keep 2, 3 or 4 in a pack, I am left with one product. If I keep 5 in a pack, I am left with none. What is the minimum number of products I have to pack and distribute? (4 Points)

- ☐ 37
- ☐ 38
- ☐ 40
- ☒ 25
- ☐ 13



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