PREMA JUNIOR SCHOOL
PRIMARY SEVEN MATHEMATICS
MOCK EXAMINATION SET II
2024

NAME OF CANDIDATE: ....

INDEX NUMBER:...

SIGNATURE:..

SECTION A

1) Add: 43 + 15 =

2) Write 53017 in words.

3) Kahuna is 94 years old. What is his age in Roman Numerals.

4) Round off 49.99 to the nearest whole number.

5) Change 1010two to decimal base.

6) Three men can dig a garden in 10 days. How many men working at the same rate will dig the same garden in 5 days?

7) Today is Friday, what day of the week was it 111 days ago?

8) Find the product of the missing numbers in the sequence; 125,64,27,___,___,

9) An examination which took 150 minutes ended at 10:45am. At what time did the examination start?

10) The price of a shirt increased by 12.5% to Shs Shs 36000. Find the original price of the shirt?

11) If set X = { o,p,e,n } and Set Y = { d,o,r,p }
Find n(X-Y)

12) In a class, the ratio of boys to girls is 3:4 respectively. If there are 30 boys in the class, how many more girls than boys are in the class?

13) The exterior angle of a regular polygon is 45°
Name the polygon.

14) How many 250ml packets of mukwano cooking oil are in 3.5ml of cooking oil?

15) An athlete run 50 metres in 20 seconds.
Calculate his speed in Km/hr.

16) Workout: 2-3 = _____ (Mode 5)

17) Solve for n; 2(5n+3) - (3n-4) = 24

18) Sarah is in the fifth place on either sides of the line. How many people are in the line?

19) Workout using distributive property.

(0.25×70) + (30×0.25)

20) The bearing of town P from town Q is 215°.

What is the bearing of town Q from town P.

SECTION B

21) The length and width of a rectangle is in the ratio of 3:5 respectively. If the width is 40m.

(a) Find the area of the rectangle.   (3marks)

(b) Workout the length of the rectangle. (1 mark)

(c) Calculate its perimeter. (1 mark)

22) In a class, (y+15) pupils like Math (M) only, (y-7) pupils like Science only, (y) pupils like both Math and Science while 4 pupils like none of the subjects.

(a) Represent the above information on a venn diagram.   (2 marks)

b) If 21 pupils don't like Science, find the number of pupils who like both subjects.

(2marks)

c) What is the probability of choosing a pupil who likes only one subject as a class monitor?

(2 marks)

23) Musinguzi bought the following items in the market.

750gm of meat at Shs 15000 per kg.

450ml of cooking oil at Shs 8000 per litre.

3.5kg of sugar at Shs 4500 per kg.

8 oranges at Shs 500 for every 4 oranges.

Calculate his total expenditure. (5 marks)

24 (a) Workout: $\dfrac{0.18 + 0.54}{0.3 \times 0.12}$ (3 marks)

(b) Express 1/4 as a decimal.   (2 marks)

25) Using a ruler, pencil and a pair of compasses only, construct a triangle PQR where line PQ= 7cm, angle PQR = 45° and angle RPQ = 60°.

(4 marks)

(b) Measure the length QR= ....cm. (1 mark)

26) A bus transporting pupils of Prema J/S to from Kyankwanzi to Entebbe Airport got a puncture after covering 3/4 of the journey.

If the remaining distance to reach Entebbe Airport was 60km, Calculate the distance that the bus has covered before getting the puncture.

(5 marks).

27) Mukulu share a certain amount of money to his three children Dan, Mary and Innocent in the ratio of 3:4:5 respectively. If Dan received Shs 150,000 less than Mary, how much more money did Innocent receive than Mary.

(5 marks)

28) At Mercy stationary, a fountain pen costs Shs 400 more than an exercise book. A ruler costs three quarters of a book. If the total cost of the three items is Shs 5900. Find the cost of a pen.

(5 marks)

29) The sum of three consecutive counting numbers is 111. If the middle number is Z.

(a) Find the numbers. (4 marks)

(b) Workout their median. (1 mark)

30) A trader deposited a certain amount of money in a bank at a simple interest rate of 5.5% p.a for 9 months. If he withdrew an amount of Shs 132,000 after 9 months, calculate his principle. (4 marks)

31) A driver left town A at 10:30am at a speed of 120km/hr and reached town B at 1:00pm. He rested for half an hour at town B and then returned back to town A at a speed of 100km/hr.

(a) Calculate the distance between town A and town B.   **(2 marks)**

b) Calculate the driver's average speed for the whole journey.   **(2 marks)**

c) At what time did the driver reach town A?

(1 mark)

32) A ship sailed from Island P west wards to Island Q. Island P and Q are 5400m a part. It then turned on a bearing of 150° to Island R a distance of 4500m.

a) Draw a sketch showing the location of the three islands. (1 mark)

b) Using a scale of 1cm to represent 900m; draw an accurate diagram showing the three islands.

(4 marks)

c) Find the shortest distance between Island P and Island R.   (1 mark)

END