Grade 5 Maths Question Paper

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\textbf{Cambridge IGCSE Mathematics Grade 5 Examination}

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\textbf{Instructions:}

Answer all questions. Write your answers in the spaces provided. Show all your workings clearly.

Calculators are permitted.

\textbf{Time allowed: 1 hour 30 minutes}

\textbf{Total Marks: 60}

\textbf{Section A (Easy - 10 Questions, 20 Marks)}

1. Calculate 35 + 27 × 2. (2)

2. Write down the next two numbers in this sequence: 5, 10, 17, 26, ? (2)

3. A rectangle has a length of 12cm and a width of 5cm. Find its area. (2)

4. Convert 2.5 kg to grams. (2)

5. What is 15% of 200? (2)

6. Simplify 3x + 5x ? 2x. (2)

7. Round 37.82 to one decimal place. (2)

8. What fraction is equivalent to 0.6? (2)

9. Find the perimeter of a square with sides of length 7cm. (2)

10. If a train travels at 60 km/h, how far does it travel in 2 hours? (2)

11. Solve the equation: $2x + 7 = 15$. (2)

12. A bag contains 5 red marbles and 3 blue marbles. What is the probability of selecting a red marble? (2)

13. Calculate the mean of the numbers: 5, 8, 12, 15, 20. (2)

14. Find the area of a triangle with base 10cm and height 6cm. (2)

15. Express 3/5 as a percentage. (2)

16. A shop sells apples at $2 per kg. How many kilograms can you buy for $10? (2)

17. Simplify the ratio 12:18. (2)

18. What is the value of $2^3 + 4^2$? (2)

19. A rectangular prism has dimensions 4cm, 5cm, and 6cm. Find its volume. (2)

20. If $y = 3x + 2$, find the value of y when $x = 4$. (2)

21. A cyclist travels 24 km in 1.5 hours. What is their average speed in km/h? (2)

22. Solve the simultaneous equations: $x + y = 7$ and $x ? y = 1$. (3)

23. Calculate the compound interest on $500 invested for 2 years at 5% per annum. (3)

24. Find the value of x: $2(x + 3) = 10$. (2)

25. The angles in a triangle are in the ratio 2:3:4. Find the size of each angle. (3)

26. A circle has a diameter of 14cm. Calculate its area. (Use ? = 22/7) (3)

27. A car travels at 70 km/h for 3 hours and then at 60 km/h for 2 hours. What is the total distance traveled? (3)

28. Simplify: (5a²b) x (2ab³). (2)

29. A shop offers a 10% discount on a TV priced at $600. Calculate the final price after the discount. (2)

30. A right-angled triangle has hypotenuse 13cm and one shorter side 5cm. Find the length of the other shorter side. (3)

\vspace{1cm}

\textbf{END OF EXAMINATION}