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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FIRST TERM EXAMINATION 2018-19**



SUBJECT - MATHEMATICS

Code: MXM01

CLASS: 7

Time Allotted: 2 ½ Hrs.

27.09.2018

Max .Marks: 80

General Instructions.

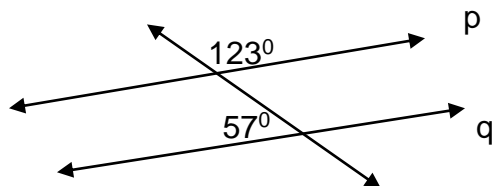
1. The question paper comprises of **four Sections, A, B , C, D.** You have to attempt all the sections.
2. **All** the questions are **compulsory.**
3. **All the answers should be written in the answer sheet provided.**

Qns	<u>SECTION A</u>	Marks
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|---|--|---|
| 1. Reduce $\frac{28}{-42}$ to standard form. | | 1 |
| 2. Find the additive inverse of $[(-6) \div (-2)]$ | | 1 |
| 3. Find the standard form of 2603000000. | | 1 |
| 4. Find the fourth term of the expression $(2n + 1)$. | | 1 |
| 5. Write the coefficient of y in $(-3x^2yz)$. | | 1 |
| 6. Two adjacent angles x and y form a linear pair. What is the measure of x+y ? | | 1 |

SECTION B

- | | | |
|--|--|---|
| 7. Solve: $4p - 6 = 18$ | | 2 |
| 8. Compare : $(-6) \times (-3) \times (-1)$ and $[-24 - (-6)]$ | | 2 |
| 9. Add : $2a - 3b + 4$ and $-6b - 2 + 4a$ | | 2 |
| 10. In the given figure decide whether the lines p and q are parallel, give reason | | 2 |

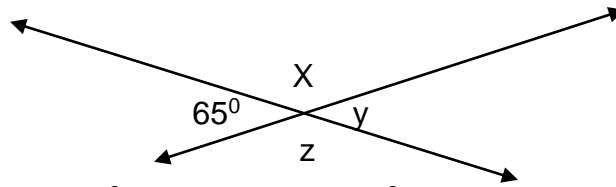


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|--|--|---|
| 11. Represent $\frac{4}{-3}$ on a number line. | | 2 |
| 12. Express 540 in exponential form as a product of its prime factors. | | 2 |

SECTION C

- | | | |
|---|--|---|
| 13. Evaluate $[30 - (-19)] \div [-19 - (-12)]$ | | 3 |
| 14. List four rational numbers between $\frac{1}{-3}$ and $\frac{1}{-4}$. | | 3 |
| 15. Simplify $(6^2 \times 6^4) \div (6^2)^3$ by using laws of exponents. | | 3 |
| 16. Kavita's father's age is 5 years more than three times Kavita's age. Find Kavita's age , if her father is 44 years old. | | 3 |

17. Find values of the angles x , y and z , give reason to support your answer. 3



18. Subtract $(14mn - 4m^3 + 3n)$ from $(-12m^3 + 5n - 10mn)$ 3

19. Find the product using suitable properties $(-181) \times 1003$ 3

20. (a) Solve : $3(-p + 4) = 15$ 3

(b) Write the equation for "add 5 to twice of p to get 15"

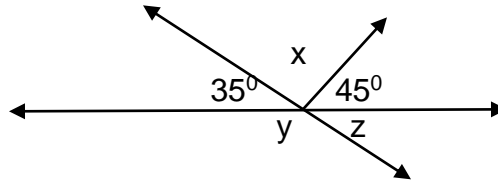
21. Simplify : $[(2)^0 - 3^2 + 4^0]^2$. 3

22. (a) Simplify : $\left[\frac{-3}{2} + \frac{9}{5}\right] \times \frac{5}{-9}$ 3

(b) Find the additive inverse of $\frac{5}{-7}$

SECTION D

23. (a) Find the values of the angles x, y, z , give reason to support your answer 4



(b) Find the angle which is equal to its supplement.

24. Simplify $\frac{7^5 \times 25 \times 10^7}{5^9 \times 14^5}$ by using laws of exponents. 4

25. (a) The sum of three times a number and 17 is 35. Find the number. 4

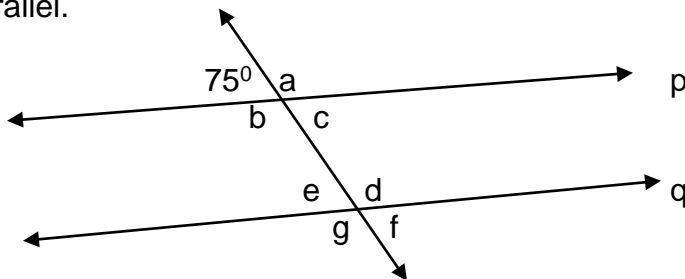
(b) Solve: $\frac{p}{4} - 7 = 5$

26. Simplify $\left[\frac{1}{2} - \frac{3}{4}\right] \div \left[\frac{-3}{10} \times \frac{5}{8}\right]$ 4

27. From the sum of $3a - 2c + b$ and $-3c + 4b - a$, subtract $3a - b - 5c$ 4

28. Simplify the expression $2(x + y - 3z) - 4x - 3z$ and find the value if $x = 1$, $y = 2$ and $z = 3$ 4

29. Find the unknown angles and give reason to support your answer. The lines p and q are parallel. 4



30. (a) Simplify using suitable properties. $(-1982) \times 16 + (-1982) \times 84$ 4

(b) Name the property used $-3 \times 2 = -6$

End of the Question Paper.