GREENLAWNS HIGH SCHOOL

FINAL EXAMINATION 2021

STD -6

MARKS - 40

TIME – 1 hr 15 min.

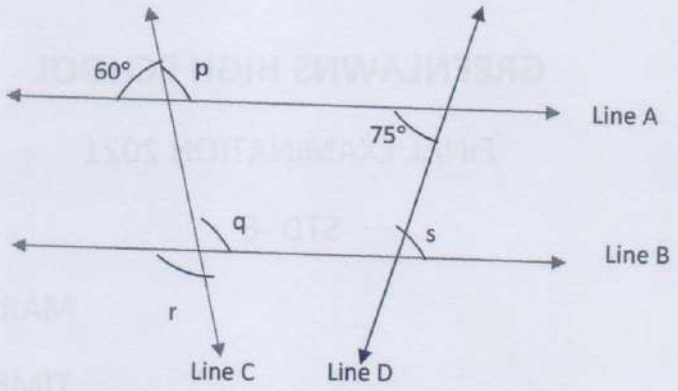
- This paper consists of 2 sections - Section A and Section B.
- All questions are compulsory.
- Show all the steps in every sum.
- Rough work to be done in the rough work column next to the sum on the same page.
- Be Neat.

SECTION A

Q.1] a) James, Mia and Sahara have 30 chocolates in all. If the ratio of chocolates they have is 2 : 3 : 5 respectively, find the number of chocolates each has? (3)

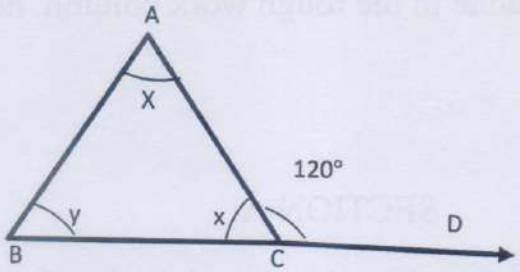
b) Add: $16a + 7b + 4c$, $4a - 11b + 9c$, $-12a - 13b - 14c$ (3)

c)



In the figure given, line A || line B. Using the measure given alongside, find the value of p,q,r,s (4)

Q.2] a) Find the unmarked angles in the triangle given (3)



b) Solve (3)

$\frac{7x}{2} + 6 = x + 9$

c) i) Express 400 m as a percent of 2 km (2)

ii) Find 45% of ₹ 900 (2)

SECTION B

Q.3] a) Evaluate: $(9x + 11y) - (7x - 8y)$ (2)

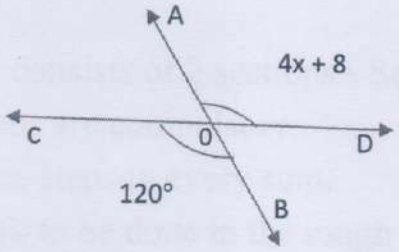
b) Convert $15\frac{1}{2}\%$ to its lowest term (2)

c) Express the ratios in its simplest form? (2)

$1\frac{1}{4} : 2\frac{3}{8} : 4\frac{1}{2}$

d) $2x + 3 = 5$ (Find the value of x) (2)

e) Find the value of x (2)



Q.4] a) KR Academy has a total strength of 1640. If the number of girls in this academy is 720, then find the ratio of: (2)

i) Girls to boys

ii) Boys to total strength of the Academy.

b) One angle of a right angled triangle is 40°. Find the other angle. (2)

c) Solve : $7(a-2) = 14$ (2)

d) Divide : $-20a^6b^7$ by $4a^3b^3$ (2)

e) Multiply : $4x - 7y + 3z$ by $-7xyz$ (2)

**********THE END**********