

GREENLAWNS HIGH SCHOOL

STD-VII

SUBJECT-MATHS

TIME- 2HOURS

DATE-8-10-26.

TERMINAL EXAM

MARKS 80

QI] Multiple Choice Questions:(Write only answers)

(10)

1) The fraction which represents half is

- a) $\frac{5}{15}$ b) $\frac{2}{5}$ c) $\frac{3}{27}$ d) $\frac{6}{12}$

2) Fraction equivalent to $\frac{2}{3}$ is

- a) $\frac{27}{39}$ b) $\frac{14}{21}$ c) $\frac{15}{25}$ d) $\frac{20}{21}$

3) $4p \times (-3p^2)$

- a) $12p^3$ b) $7p^3$ c) $-12p^3$ d) $-7p^3$

4) The decimal form of 25% is

- a) 2.4 b) 0.25 c) 1.25 d) 12.5

5) 60% of 500 is

- a) 3 b) 30 c) 300 d) 3000

6) A bicycle is bought for ₹3,500 and sold for ₹2,100. Then the loss is

- a) ₹400 b) ₹5600 c) ₹650 d) ₹1400

7) If $b + 9 = -8$, then b is

- a) 17 b) -1 c) -17 d) +1

8) The algebraic expression for 8 more than thrice a number is

- a) $8 \times 3x$ b) $8x + 3$ c) $3x + 8$ d) $8x - 3$

9) The supplement of 128° is

- a) 62° b) 52° c) 38° d) 180°

10) If x and y add upto 90° , $x = 60^\circ$ then y is

- a) 30° b) 40° c) 120° d) 140°

QII]

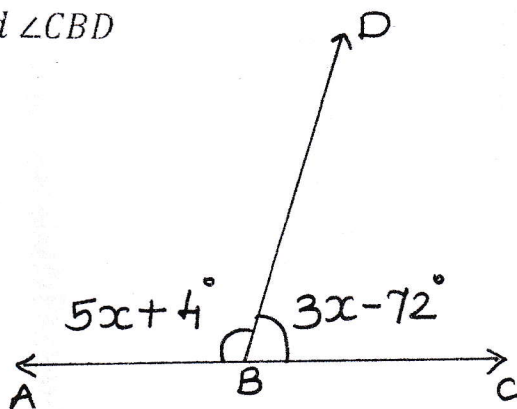
- 1) Add: $2\frac{2}{7} + 1\frac{1}{2} + \frac{3}{14}$ (3)
- 2) Simplify: $59.69 - 8.76 - 0.5383 + 1.22$. (3)
- 3) Smita's monthly salary was ₹12,000 and Roshan's salary was ₹25,000.
Smita got a 15% increment in the salary.
 - a) Find her new salary.
 - b) Difference between Smita's new salary and Roshan's salary. (4)

QIII]

- 1) Himanshu bought 15 umbrellas for ₹5,240. He gained a profit of 15%.
Find the selling price. (3)
- 2) $(6a^2 - 9a - 27) \div (2a + 3)$ (3)
- 3) Solve: $7(x - 4) + 2(x - 6) = 12 - 3(x + 6)$ (4)

QIV]

- 1) Subtract the sum of $-5a + 12 - 4b$ and $7a - 9 - 15b$ from $5a + 9 - b$ (3)
- 2) Seema bought $8\frac{1}{4}$ kg flour. She uses $2\frac{3}{4}$ kg for making bread and $1\frac{1}{2}$ kg for cakes. How much flour is still left? (3)
- 3) From the adjoining figure, find the value of:
 - i) x and hence find $\angle ABD$ and $\angle CBD$ (4)

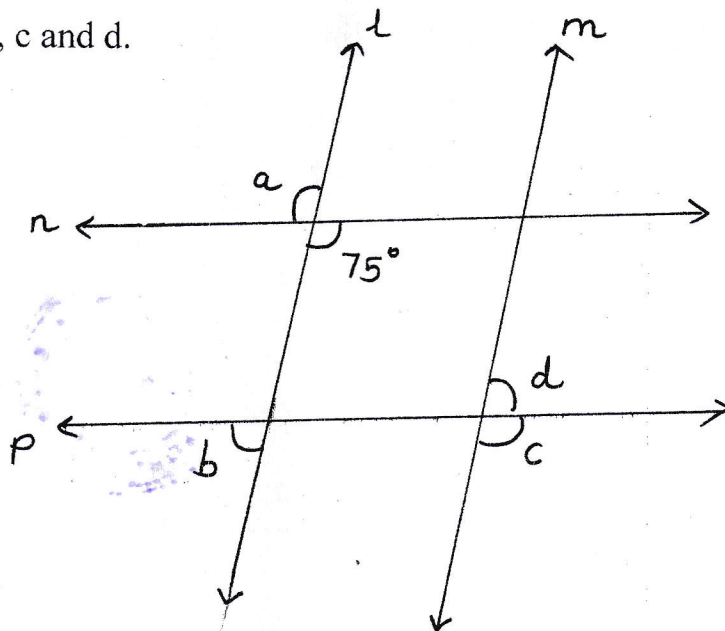


QVI

- 1) A luggage bag was bought for ₹1200 and sold for ₹1440. Find loss or profit percent. (3)
- 2) (a) $13\frac{1}{4}\%$ of what number is 795
(b) How many days is 20 % of 1 year (3)
- 3) Solve: $\frac{(8a-6)}{4} + \frac{(9a+3)}{3} = \frac{1}{6}$ (4)

QVII

- 1) The sides of an isosceles triangle are $5x^2 + 13$, $5x^2 + 13$ and $6x^2 + 20x + 15$. Find its perimeter. (3)
- 2) Simplify: $(4x + 5)(3x^3 - 5x^2 - 12)$. (3)
- 3) From the figure alongside, line $l \parallel$ line m , line $n \parallel$ line p
find the value of a , b , c and d . (4)



QVII]

- 1) A bus covers a distance of 15.13 km in an hour. How much distance will it cover in 3.5 hours? (3)
- 2) The price of 3 kg rice has increased from ₹180 to ₹189 in 2 years.
Find the percentage increase in the price. (3)
- 3) $[5\frac{1}{6} - 4\frac{2}{3}] \div [\frac{4}{18} \text{ of } 54]$ (4)

QVIII]

- 1) A phone is sold for ₹5,640 at a loss of 6%. Find:
 - a) Cost price of the phone
 - b) What should be the selling price to earn a profit of 8%(3)
- 2) A mother is 30 years older than her daughter. In 4 years, the mother will be 4 times as old as her daughter. Find their present ages. (3)
- 3) In the given figure, line $PQ \parallel RS$. Find x and y . (4)

