PROVINCIAL EDUCATION DEPARTMENT

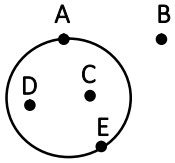
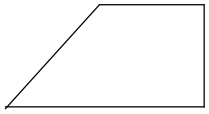
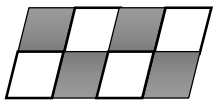
NORTHERN PROVINCE

PLACEMENT EXAMINATION – 2021

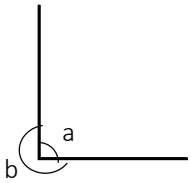
GRADE 6 **MATHEMATICS** **TWO HOURS**

PART -1

ANSWER ALL THE QUESTIONS ON THIS PAPER

1.	Simplify: $4032 + 729$
2.	Which letters indicate positions on the circle in this figure? 
3.	What is the name of the given figure? 
4.	Write all the multiples of 4 between 50 and 60.
5.	Express 3 minutes and 20 seconds in seconds.
6.	There are 15 boys and 18 girls in a certain class. How many students are there in total in this class?
7.	Write the shaded region as a fraction of the figure. 
8.	Fill in the blanks using either the sign > or the sign <. I. 0.5…….. 0.47 II. 4.04 …….. 4.4
9.	If the number, when rounded off to the nearest 10 is 190. What is the maximum possible number?
10.	Simplify: 346×100

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11.	What is the name of the equipment used to check the horizontal plane?
12.	Write the type of each angle shown by the English letters in the given figure.  a - b -
13.	Write $\frac{1}{3}, \frac{1}{7}, \frac{1}{4}, \frac{1}{5}$ in ascending order.
14.	Arrange the following numbers in descending order. -4, -1, 0, 2
15.	Classify the following numbers into two groups based on their common characteristics. 1, 2, 3, 4, 5, 7 
16.	An event telecasted on a television program at evening 3hours 45minutes and continue for 45 minutes. Write the time the event was finished in standard form.
17.	Give 2 properties of the rectangle.
18.	What is the largest angle formed when adding the right angle and straight angle?
19.	If a student stands with his arms stretched out both his sides and face towards the direction where sun rises, what is the direction of his left hand indicates?
20.	What is the number that when divided by 6 gives a quotient of 7 and a remainder of 2? $(20 \times 2 = 40\text{marks})$

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Part - II

Answer all questions.

1. a. Write the number 74298152

   i. In the standard form.

   ii. In word.

   b. Group the number 2999000001 into zones and write them in digit form.

   c. 9, 7, 4, 6, 8By using each of the digits and exactly once.

   i. Write down the largest possible five digits' number?

   ii. What is the value represented by digit 6 in the above number?

   d. Write down the place value corresponding to the position of each digit in the number 7549.

(2+2+2+2+2+2)

2.



   i. Write down the numbers which are represented by A, B and C on the above number line.

   A=…….. B=…… C=……..

   ii. Fill in the following blanks using a suitable inequality sign.

   a. A …… B

   b. B …….. C

   c. C …… A

   iii. a. Write all the factors of 36.

   b. Is 5 a factor of 24? Explain the reason for your answer.

   c. What is the largest number less than 100 divided by 2 and 5 without remainder?

(1+1+1+1+1+1+2+2+2)

3.

   i. Add:

Hours	Minutes	Seconds
8	20	06
+ 2	35	58

Years	Months
16	02
+ 03	10

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ii. Write 2.45pm in international standard form.

iii. Tarun was born 2010.11.17. What is his age on 2021.01.01?

iv. If the 2hours and 30minutes movie ends at 11.30am, what time would it have started?

(2+2+2+3+3)

4. a. Fill in the blanks by using the signs <, > or = .

i. $\frac{3}{5}$ ……..$\frac{4}{5}$

ii. $\frac{1}{6}$ ……..$\frac{3}{12}$

iii. $\frac{1}{7}$ ……..$\frac{3}{21}$

b. Simplify:

i. $\frac{5}{9}+\frac{1}{9}$

ii. $\frac{7}{13}-\frac{2}{13}$

c. Find the value of

i. $\frac{4}{5}-\frac{3}{20}$

ii. Vimal finished reading $\frac{1}{2}$ of the book on Monday and $\frac{1}{3}$ on Tuesday. What fraction of the book was read in total by him on the two days?

(1+1+1+2+2+2+3)

5. a. Write 35.41 in words.

b. What is the value represented by digit 6 in the number 7.36?

c. Add: $2.38 + 11.4$

d. Subtract: $14.32 - 4.93$

e. Write in ascending order.

3.12, 3.23, 2.8, 1.3, 2.35, 1.54

(2+2+2+2+4)

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