

SECTION A

[30 marks]

Question 1

Direction: Choose the correct answer from the four options and write in the answer sheet.

1. A number that is multiple of only 1 and itself is called
 - A Even number
 - B Odd number
 - C Prime number
 - D Whole number

2. Which digit is in the thousandths place in 8423.675?
 - A 5
 - B 7
 - C 6
 - D 8

3. Out of 30 students in a class, 15 of them are men. What per cent of the class are women?
 - A 55%
 - B 43%
 - C 45%
 - D 50%

4. Which of the following are arranged from least to greatest in correct order?
 - A 43 hundredths, 26 ten thousand, 512 thousandths, 4tenths.
 - B 26 ten thousandths, 4 tenths, 43 hundredths, 512 thousandths.
 - C 4 tenths, 26 ten thousandths, 512 thousandths, 43 hundredths
 - D 512 thousandths, 43 hundredths, 4tenths, 26 ten thousand.

5. When the numerator of a fraction is greater than the denominator, it is called
 - A proper fraction
 - B Mixed number
 - C improper fraction
 - D Greater than one whole

6. A full plate has 6 momos on it. An improper fraction that describes 4 full plates and a plate with 3 momos on it is:

A $\frac{25}{6}$

B $\frac{27}{4}$

C $\frac{27}{6}$

D $\frac{25}{9}$

7. The mixed number form of $\frac{15}{4}$ is _____.

A $2\frac{3}{4}$

B $4\frac{3}{2}$

C $3\frac{3}{4}$

D $2\frac{4}{3}$

8. Dorji ate $\frac{1}{2}$ of his chocolate and Choden ate $\frac{1}{4}$ of her too. How many more chocolate did Dorji eat than Choden?

A $\frac{3}{4}$

B $\frac{1}{4}$

C $\frac{2}{4}$

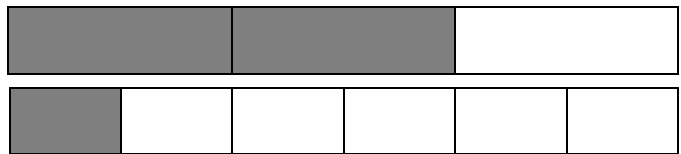
D $\frac{2}{5}$

9. Which fraction is equal to one –fourth?

- A $\frac{8}{10}$
- B $\frac{4}{8}$
- C $\frac{1}{8}$
- D $\frac{25}{100}$

10. What fraction comparison does the picture show?

- A $\frac{2}{3} \leq \frac{1}{6}$
- B $\frac{2}{3} > \frac{1}{6}$
- C $\frac{2}{3} < \frac{1}{6}$
- D $\frac{1}{6} > \frac{2}{3}$




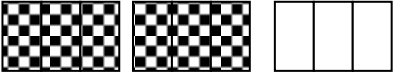
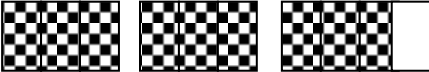

11. Sushma is a teacher earning an annual income of Nu 288,000. her annual savings amount to Nu 36000. The ratio of her saving to her expenditure is

- A 1:8
- B 1:7
- C 1:6
- D 1:5

12. A 998 g packet of rice is divided into 8 equal portions. How many grams are in each portion?

- A 123.4
- B 123.5
- C 124.75
- D 122.75

13. Which of the following given below represent the number $2\frac{1}{3}$

- A 
- B 
- C 
- D 

14. Dorji is a carpenter earning an annual income of Nu 288,000. His annual savings amount to Nu 36,000. The ratio of her saving to her expenditure is

- A 1:8
B 1:7
C 1:6
D 1:5

15. The correct statement for a pair of fractions below is

- A $\frac{5}{6} > \frac{3}{7}$
B $\frac{2}{4} < \frac{5}{10}$
C $\frac{3}{5} < \frac{1}{3}$
D $\frac{3}{4} = \frac{3}{6}$

SECTION B

[30 marks]

Attempt all the questions in this section. The marks are provided against each question**Question 2**

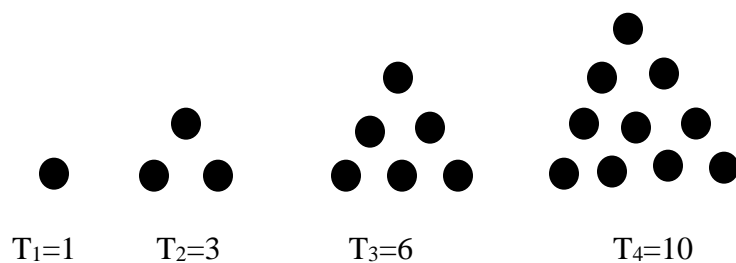
- a. Write the number 807,906 in expanded form? [2]
- b. Sonam, Ankit and Nima went to pick apples using the same size basket on Sunday. Their collection of apples is shown in the table given below. [3]

Sonam	Ankit	Nima
$\frac{3}{4}$	$\frac{4}{6}$	$\frac{7}{12}$

Who collected the minimum number of apples? Show your work.

Question 3

- a) Given below shows the first four triangular numbers.



Find the 5th, 6th and 7th triangular numbers (T₅, T₆ and T₇). [3]

- c) Multiply each [2]
- i) 9×4.126
- ii) 2.9×4.1

Question 4

- a) Ap Dorji is working as a village Tshogpa under Tendu Gewog. His monthly salary is Nu. 10,300. What is his annual income? Write his annual income in the expanded form. [3]
- b) The table below shows amount of rice production of four different Dzongkhags in the year 2018.

Dzongkhags	Rice production
Trashigang	35,000kg
Samtse	2.4 tonne
Punakha	5.5 tonne
Paro	70,500,000 gram

Write down the Dzongkhag in the sequence with regard to rice production from greatest to least. [2]

Question 5

- a) Dorji increased a number by 8 and got the sum 19. [3]
- i) Create the equation to show the above problem.
- ii) Solve the problem.
- b) A beautiful girl Samten Zam Scored 40 out of 60 in a mathematics paper during trial examination. What percent of mark did she get? Show your work. [2]

Question 6

- a) Calculate [3]
- i) $\frac{3}{4} + \frac{1}{8}$
- ii) $\frac{2}{3} - \frac{1}{12}$
- iii) $\frac{1}{4} - \frac{1}{6}$
- b) Order the fractions from least to greatest. [2]
- $\frac{3}{7}, \frac{9}{10}, \frac{6}{8}, \frac{2}{3}$

Question 7

- a) Suraj walks $\frac{1}{8}$ of a mile to his school. Sagar walks $\frac{1}{2}$ of a mile to his school. How much further does Suraj walk than Sagar? [1]
- b) find one common factor other than 1 for each [2]
- i) 16 and 26
- ii) 18 and 36
- c) Model and find the product of each on the grid. [2]
- i) 0.4×0.8
- ii) 0.2×0.9

.....Happy Summer Vacation.....