



Doon Public School, Etah

Where Excellence is a Habit!

4th Mile stone, Opposite PAC, Kasganj Road, Etah - 207001 (U.P.)

Mob: 7617614470 Website: www.doonpublicschoolletah.in, e-mail: doonpublicschoolletah@gmail.com

Entrance Exam

CLASS: 7th

Session 2021-22

SYLLABUS AND SAMPLE PAPERS BOOKLET

Admission sought in Class: 7th

(For Class 6th Passed students)

Maths	25 Marks	Time allotted 01 Hour 45 Min.
Science	25 Marks	
English	25 Marks	

Syllabus of Class 6th : Mathematics

S.N.	Chapter/Topic
1	Whole Numbers
2	Decimals
3	Fractions
4	Algebra
5	Integers
6	Knowing & Playing with numbers
7	Ratio & Proportion
8	Understanding Elementary Shapes
9	Basic Geometrical Ideas
10	Data Handling

Syllabus of Class 6th : Science

S.N.	Chapter/Topic
1	Source of food
2	Component of food
3	Fiber and Fabrics
4	Change around us
5	The World of living
6	Plants –Form and Function
7	Body and movement
8	Motion and Movement
9	Light
10	Electricity and its circuit
11	Introduction to magnetism
12	Water a natural resources

Syllabus of Class 6th : English (Grammar)

S.N.	Chapter/Topic
1	Sentence
2	Noun
3	Gender
4	Singular & Plural
5	Adjective
6	Verb
7	Tenses
8	Pronoun
9	Articles
10	Direct and Indirect
11	Active and Passive voice

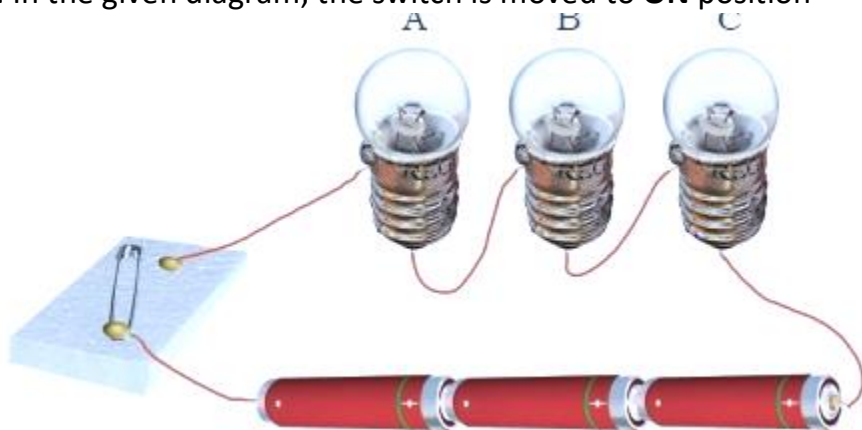
SECTION-A

I. TICK THE CORRECT OPTION (4)

Q1. Silkworms secrete fibre made of

- (a) fat
- (b) cellulose
- (c) protein
- (d) nylon

Q2. In the given diagram, the switch is moved to **ON** position



- (a) Bulb A will glow first
- (b) Bulb B will glow first
- (c) Bulb C will be glow first
- (d) All the bulb will glow together

Q3. The first link in all food chains is

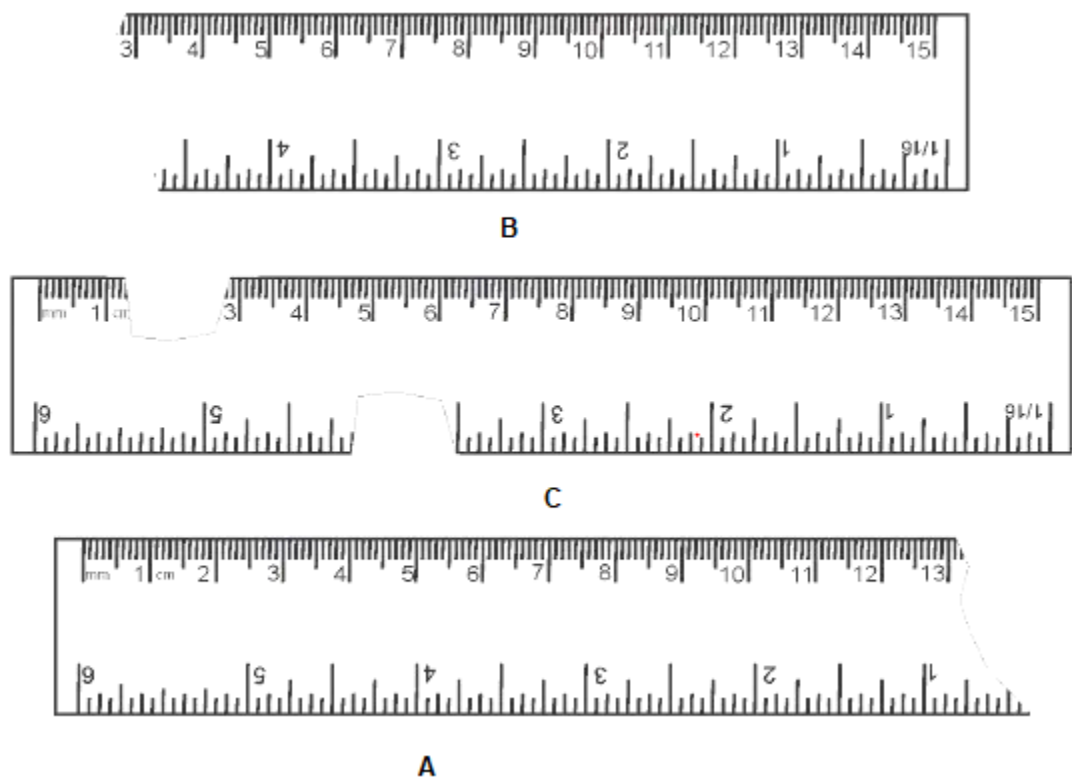
- (a) herbivores.
- (b) carnivores.
- (c) plants.
- (d) omnivores.

Q4. X and Y measured their body temperature. X found its to be 98.6 °F and Y recorded 37 °C. Which of the following statement is true?

- (a) X has a higher body temperature than Y.
- (b) X has a lower body temperature than Y.
- (c) Both have normal body temperature.
- (d) Both are suffering from fever.



Q5.You are provided with three scales A, B and C as shown in below figure to measure a length of 10 cm



For the correct measurement of the length you will use the scale

- (a) A only
- (b) B only.
- (c) C only.
- (d) Any of the three scales.

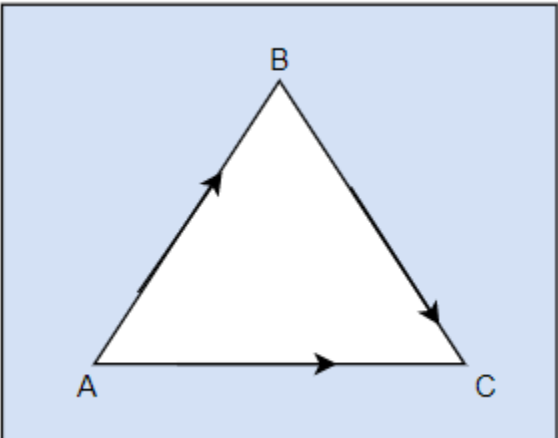
Q6.Which of the following is incorrect

- a. $1\text{mm}=11000\text{m}$ $1\text{mm}=11000\text{m}$
- b. $1\text{cm}=1100\text{m}$ $1\text{cm}=1100\text{m}$
- c. $1\text{m}=1100\text{km}$ $1\text{m}=1100\text{km}$
- d. None of the above

Q7.Which among the following exert atmospheric pressure?

- (a) Land
- (b) Water
- (c) Air
- (d) All of these

Q8.X and Y starts from point A . X start running through AB and reach point B. Y also starts running through path ABC and reach B at the same time as A. The situation is depicted in the below figure



Which of the following is/are true for the given situation.

- (a) B covers longer distance but with a lower speed.
- (b) A covers shorter distance with a higher speed
- (c) A covers shorter distance with a lower speed.
- (d) B covers longer distance with a higher speed.

II. FILL IN THE BLANKS- (5)

- 1.The green coloured pigment present in the leaves of green plants _____
- 2. The movement of a snail on the ground is a _____ motion
- 3. SI stands for International _____ of Unit .
- 4. Heat travels through solids by _____
- 5. The maximum and minimum temperatures of the previous day, reported in weather reports, are measured by thermometer called the _____ thermometer.
- 6. Sun is an _____ object.
- 7. A _____ eclipse occurs when earth comes between sun and moon in a straight line.
- 8. _____ are the extremely thin blood vessels which connect arteries to veins.
- 9. The main excretory product in human being is _____
- 10. Loss of water in the form of vapour through leaves is called _____

II. MATCH THE COLUMNS- (3)

COLUMN A	COLUMN B
Crab	Surface of soil
Rodents	A horizon of moist soil
Garden Lizard	Sand and beaches
Earthworm	Deep narrow holes in soil
Scorpion	Burrows in soil

TRUE OR FALSE- (2)

- (a) It is easy to predict weather rather than climate.
- (b) Since very few preys are available, polar bear does not need to have strong sense of smell.
- (c) The image formed in pinhole camera is both erect and inverted
- (d) Transparent object does not cast shadows

SECTION-B

V. VERY SHORT ANSWER TYPE QUESTIONS – (4)

- (a) How is air pressure affected with change in attitude?
- (b). Name the artery which carries de-oxygenated blood.
- (c). Name the plant tissue which transports water & minerals
- (d). What are silk fibres made up of?

VI. ANSWER THESE QUESTIONS- (3)

Q4. Answer the following in one word each:

- (a) A dark brown or black mass of partially decomposed organic matter of dead plants and animals
- (b) The horizontal layers of soil one below the other in a vertical cross-section-
- (c) Name the soil with the highest percolation rate-
- (d) A type of soil formed due to deposition in riverbeds-

Q5. How is sandy soil different from clayey soil?

SECTION-C

VII. LONG ANSWER TYPE QUESTION- (4)

Q1.What are different type of magnets? And where are the poles located?

OR

Q1. Draw a diagram of the human Heart and label the various parts.

MODEL PAPER : MATHEMATICS

MM: 25

1. **The predecessor of 100 is,**
 - (a) 101
 - (b) 100
 - (c) 99
 - (d) none of these.

2. **The natural number that has no predecessor is,**
 - (a) 1
 - (b) 10
 - (c) 100
 - (d) 1000

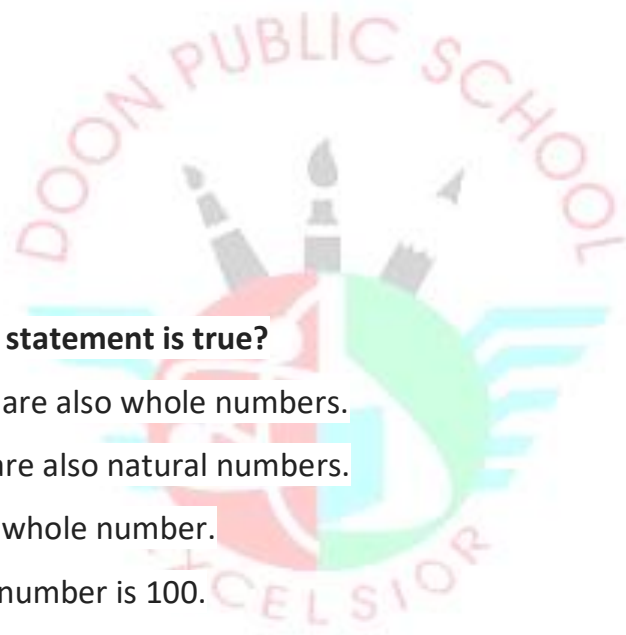
3. **The difference between the successor and the predecessor of a number is,**
 - (a) 1
 - (b) 2
 - (c) -1
 - (d) - 2

4. **Which of the following statement is true?**
 - (a) All natural numbers are also whole numbers.
 - (b) All whole numbers are also natural numbers.
 - (c) There is no smallest whole number.
 - (d) The greatest whole number is 100.

5. **Which of the following statements, is false?**
 - (a) Zero is neither a negative integer nor a positive integer.
 - (b) Zero is less than every positive integer.
 - (c) Zero is larger than every negative integer.
 - (d) Farther a number from zero on the left, larger is its value.

6. **$2 - (-1) - 2 - (-3) =$**
 - (a) 0
 - (b) 3
 - (c) 2
 - (d) 4

7. **$1 + \frac{1}{10} =$ _____**
 - (a) 0.11



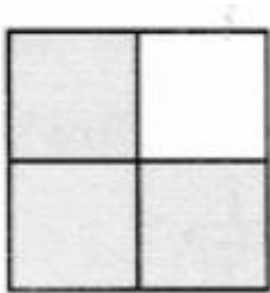
- (b) 1.1
- (c) 1.01
- (d) 1.001

8. 2 cm 2 mm = _____

- (a) 2.2 cm
- (b) 0.22 cm
- (c) 2.1 cm
- (d) 1.2 cm

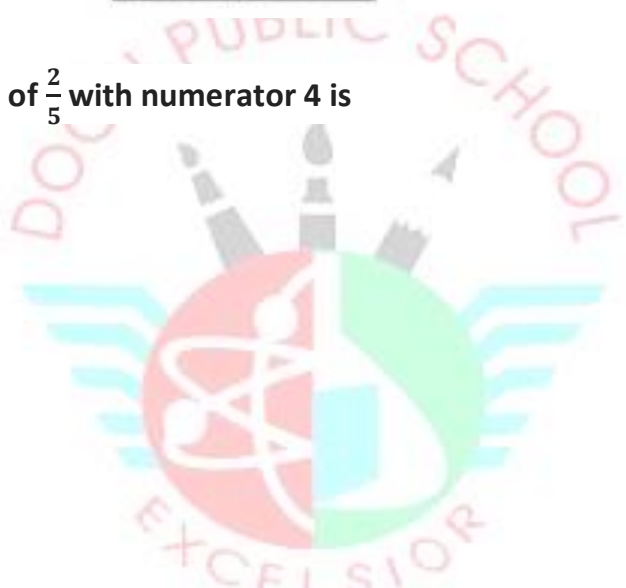
9. The fraction representing the shaded portion is,

- (a) $\frac{1}{4}$
- (b) $\frac{1}{2}$
- (c) $\frac{3}{4}$
- (d) none of these



10. The equivalent fraction of $\frac{2}{5}$ with numerator 4 is

- (a) $\frac{4}{10}$
- (b) $\frac{4}{12}$
- (c) $\frac{4}{16}$
- (d) $\frac{4}{20}$



11. If Meenu’s present age is x years, what was her age in years, 10 years back?

- (a) $x - 10$
- (b) $10 - x$
- (c) $-x - 10$
- (d) $10x$

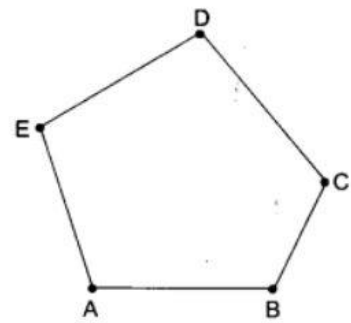
12. Which of the following are in proportion?

- (a) 1,3,11,22
- (b) 3,4,15,18
- (c) 2,3,20,30
- (d) 2,5,40,80

13. Write in decimal : $65 + \frac{2}{10} + \frac{7}{100} =$ _____

14. What is the tenths digit in the number 356.812 ? _____

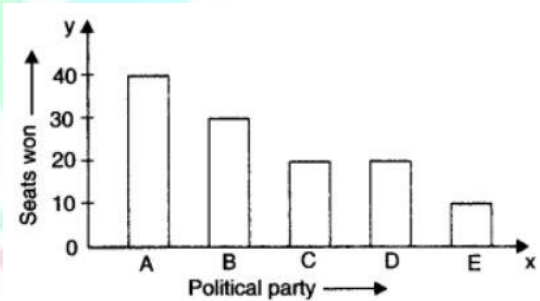
- 15. Convert 150 g into kilogram (kg).
- 16. What fraction of a day is 6 hours?
- 17. What angle measure does the hour hand of a clock turn through, when it goes from 5 to 8?
- 18. How many vertices are there in the following figure?



- 19. **State True & False :**
 - 1. Acute Angle is greater than 90° _____
 - 2. 1 million = 10 lakh _____
 - 3. $6 - (-0) = -6$ _____
 - 4. Vertically opposite angles are equal. _____
 - 5. Place Value of 124589 = 20000 _____

20. **Observe the following bar graph and answer the related questions:**

What is the difference between the maximum and minimum numbers of seats won?



- 21. What is the shape of a tennis ball ? _____

A. Change the following sentences as directed.

(2)

1. There is a painting on the wall. (Interrogative)
2. What a pretty flower ! (Assertive)
3. Will you please, close the window? (Imperative)
4. It is bright, sunny morning. (Exclamatory)

B. Complete the sentence by using appropriate predicate.

(2)

1. The Sun.
2. My friend.

C. Encircle the noun in the following sentences whether they are common, proper, collective, abstract or material noun.

(2)

1. Shahjahan built the Taj Mahal at Agra. _____
2. Platinum is more precious than gold. _____
3. He gave me a very beautiful bouquet of flower. _____
4. Ram is known for his wisdom. _____

D. Change the following .

(2)

1. Waiter
2. Peacock
3. Emperor
4. Stag

E. Give plurals of the following.

(2)

1. Radius
2. Goose
3. Photo
4. Baby

F. Fill in the blanks with the suitable types of adjectives given in the brackets.

(2)

1. My _____ sister is a journalist. (elder/older)
2. He is the _____ member of the club. (oldest/eldest)
3. I cannot walk any _____. (farther/further)
4. She is a _____ girl. (nice/ nicer)

G. Underline the verbs in the sentences and write whether they are transitive or intransitive.

(2)

1. The cat chased to the mouse.
2. Jack plays in the park.

H. Convert the following sentences as directed. (2)

1. She has taught us how to speak. (Simple present)
2. They are playing football. (Future continuous)



3. She has completed my homework. (Past perfect)
4. Radha goes to school. (Present continuous)

I. **Underline the pronoun in the following sentences and write its kind.** (2)

1. I shall try to help him.
2. You should help yourself.
3. Everyone wants to be rich.
4. He is very handsome boy.

J. **Fill in the blanks with a, an or the.** (2)

1. _____ Charminar is situated in Hyderabad.
2. Raman was _____ hour late for his meeting.
3. My father is _____ doctor.
4. _____ stars are twinkling in the sky.

K. **Change the following sentences into indirect speech.** (2)

1. I said, "I shall do it tomorrow".
2. He said, "I like to play".

L. **Change the voice of the following sentences.** (3)

1. He will finish this work.
2. He killed a snake.
3. He was looking at the picture.
