# Doon Public School, Etah

**Where Excellence is a Habit!**
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# Entrance Exam
# CLASS: 6th
## Session 2021-22

# SYLLABUS AND SAMPLE PAPERS BOOKLET

## Admission Sought in Class: 6th
## (For Class 5th   Passed students)

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

## Syllabus of Class 5 : Mathematics

| S.N. | Chapter/Topic |
|------|---------------|
| 1 | Operation with Large Numbers |
| 2 | Test of Divisibility |
| 3 | Simple Interest |
| 4 | Time |
| 5 | HCF & LCM |
| 6 | Fractions |
| 7 | Perimeter, Area & Volume |
| 8 | Decimal |
| 9 | Percentage & Average |
| 10 | Ratio & Proportion |
| 11 | Profit & Loss |
| 12 | Metric Measures |

## Syllabus of Class 5 :  Science

| S.N. | Chapter/Topic |
|------|---------------|
| 1 | Plants increasing in numbers |
| 2 | Animals everywhere |
| 3 | Food and health |
| 4 | Safety and First Aid |
| 5 | Our skeletal system |
| 6 | Our nervous System |
| 7 | Rocks and Minerals |
| 8 | Soil erosion and Conservation |
| 9 | Our life supports |
| 10 | Force and energy |
| 11 | Our earth's natural satellite |
| 12 | Changes In our environment |

## Syllabus of Class 5 :English (Grammar)

| S.N. | Chapter/Topic |
|------|---------------|
| 1 | Sentence |
| 2 | Noun |
| 3 | Gender |
| 4 | Singular and Plural |
| 5 | Tenses |
| 6 | Adjective |
| 7 | Verb |
| 8 | Adverb |
| 9 | Preposition |
| 10 | Conjunction |
| 11 | Synonyms |

SECTION-A

I.        TICK THE CORRECT OPTION   (4)

**Q1. Who was America's first astronaut?**
a. Alan Shepard
b.Edwin "Buzz" Aldrin
c.   Neil Armstrong
d  .Galileo

**Q 2. The study of the stars and planets**
a.   globe
b.   amount
c.   astronomy
d.   temperature

**Q3. Which of the following has a fixed shape-**
a.    Stone
b.    Smoke
c.    Air
d.    water

**Q4.The first link in all food chains is**
a.     herbivores.
b.     carnivores.
c.     plants.
d. omnivores.

**Q5. Impure water contains many disease-causing germs like those of**
a.   Cholera
b.   Jaundice
c.   Dysentery
d.   All of these

**Q6. The most readily available source of energy is**
a.   Wind energy
b.   Solar energy
c.   Geothermal energy
d.   Water energy

**Q7. Soil is mostly conserved by**
a.    Afforestation
b    Deforestation
c.   Making roads
d   Overgrazing

**Q7. Afforestation means**
a    Felling of trees
b .  Growing trees
c. Overgrazing
d .Making dams

Q8. This may leads to soil erosion
a.     Terrace farming

b. Growing of cover crops
c. Afforestation
d. Deforestation

## II. FILL IN THE BLANKS (5)

1. The green coloured pigment present in the leaves of green plants _____

2. Sea Food is a rich source of _____.

3. _____helps in protecting our body against diseases.

4. Earth complete it one rotation in _____

5. Gases donot have fixed shape and_____.

6. Plant get nitrogen with the help of bacteriain the _____

7. There is no _____force In space.

8. Simple machine changes the _____ of applied force.

9. The air we breathe out is called_____air.

10. Loss of water in the form of vapour through leaves is called _____

## III. MATCH THE COLUMNS- (3)

| Column A | Column B |
|---|---|
| Carbohydrates and fats | Protective food |
| Proteins | Causes loss of Vision |
| Vitamins and Mineral | energy-giving food. |
| Dietary fibres | Causes the disease called goitre. |
| Iodine deficiency | They help us in easy digestion of food. |
| Lack of vitamin A | Body-building food |

## IV. TRUE OR FALSE- (2)

1. Rabies is caused by severe burns._____.
2. The backbone protects the Spinal cord_____.
3. Femur is the bone of the lower leg_____.
4. Fish have gills to swim_____.
5. All insects have four legs_____.

## SECTION-B

## V. VERY SHORT ANSWER TYPE QUESTIONS – (4)
(a) what are simple machines?
(b) What is meant by afforestation ?
(c).What is soil conservation?
(d).Name four gases present in air?

## VI ANSWER THESE QUESTIONS- (3)
Q1. Why do animals need to move?
Q2.What is a balanced diet?
Q3. What is bone marrow?
Q4. What is a reflex action?

## SECTION-C

## VII. LONG ANSWER TYPE QUESTION- (4)
Q1.With the help of a lablled diagram explain the process of filtration?
        **OR**

Q1 What does the law of conservation of energy states?

1. **The successor of 99 is,**
   (a) 101
   (b) 100
   (c) 98
   (d) none of these.

2. **The number that multiplies is called,**

   (a) multiplicand

   (b) multiplier

   (c) both (a) & (b)

   (d) none of these

3. **The Smallest composite number is,**

   (a) 1

   (b) 2

   (c) 3

   (d) 4

4. $\frac{1}{8}$**of a day is equal to,**

   (a) 4 hours

   (b) 3 hours

   (c) 8 hours

   (d) 2 hours

5. $7.18 \times 10 =$ _____

   (a) 718

   (b) 7180

   (c) 71.8

   (d) 0.718

6. $2 - (-1) - 2 - (-3) =$

   (a) 0

   (b) 3

   (c) 2

   (d) 4
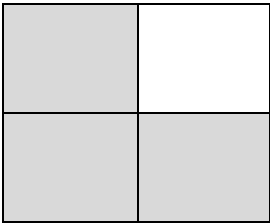
7. $2 + \frac{1}{100} =$ _____

   (a) 2.11

(b) 2.1

(c) 2.01

(d) 2.001

8. **Find the missing terms, 2 : 5 :: _____ : 15**

   (a) 5

   (b) 6

   (c) 2

   (d) 15

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 difference between selling price and profit is _____,**

    (a) Cost price

    (b) Selling Price

    (c) Overhead Price

    (d) Loss

11. **2 cm 9 mm = _____ mm**

    (a) 209

    (b) 29
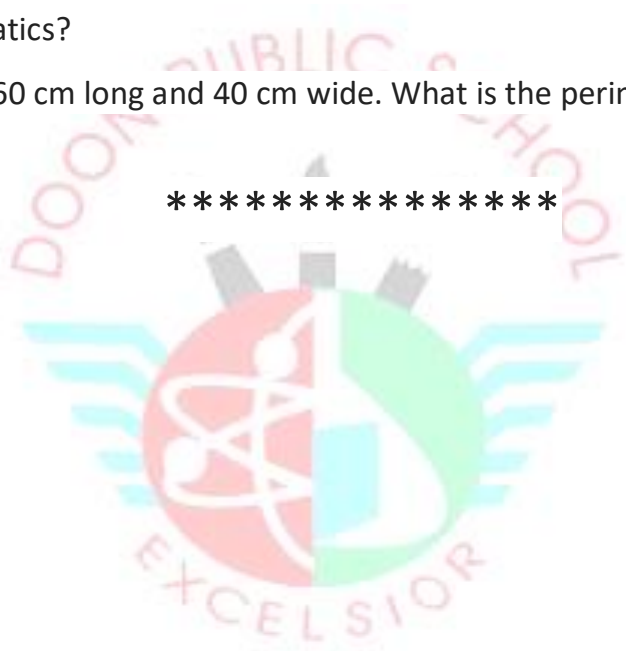
    (c) 290

    (d) none of these

12. **What time will be 5 hours 20 min before 1:30 pm ?**

    (a) 8:10 am

    (b) 8:10 pm

    (c) 8:11 am

    (d) 8:11 pm

13. **Write in decimal : $25 + \frac{3}{100} + \frac{6}{1000}$ = _____**

14. The number of days from 5th May to 2nd June is _____

15. Convert 7 L 125 ml into Litre (L). _____

16. A mobile is sold at a loss of Rs. 1200. If the selling price is Rs. 3450, Find the cost price?

17. $\frac{4}{5}$ of the farmer grow wheat in their fields. What per cent of the farmers grow wheat?

18. Arrange in columns and add:

    312.101 + 66.05 + 102.1842

19. **Fill in the blanks : [5]**

    1. Every twin primes are also _____

    2. _____ is the only even prime number.

    3. $9 - (-0) =$ _____

    4. A number is divisible by _____ if the last digit is either 0 or 5.

    5. Interest depends on principal, rate of interest and _____


20. Out of class of 50 students, 20 students performed in dramatics. What percentage of students did not participate in dramatics?

21. A rectangular carpet is 60 cm long and 40 cm wide. What is the perimeter of the carpet?

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A. **Look at the following sentences. Write 'A' for assertive, I' for Interrogative, 'E' for exclamatory and 'Im' for Imperative.     (2)**
   1. Wow ! Today is Babita's birthday. _____

   2. These flowers are colourful. _____

   3. Why were you late to work? _____

   4. Please sit down. _____

B. **Circle the subjects and underline the predicates.   (2)**

   1.      I went to Great America.

   2.      Alok stayed up late doing his homework.

   3.      The Cheetah is the fastest land animal.

   4.      We play basketball every Tuesday.

C. **Pick out the nouns in the following sentences and state their kinds.**   (2)
   1. Jawaharlal Nehru was the first Prime Minister of India. _____

   2. The elephant has great strength. _____

   3. Dispur is the capital of Assam. _____

   4. The jury was convinced of his innocence. _____
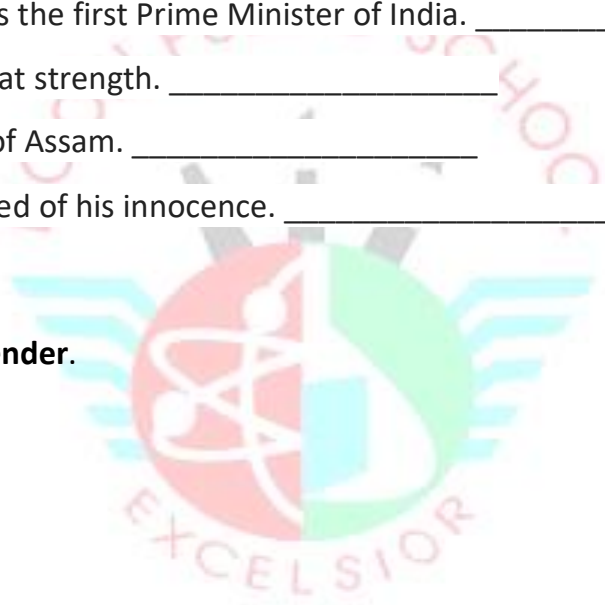
D. **Change the following gender**.                                                                     (2)
   1. Tiger

   2. Horse

   3. Duke

   4. Husband

E. **Give plurals of the following**.
   1. Handkerchief

   2. M.A.

   3. Tooth

   4. Lady

F. **Fill in the blanks with the suitable types of adjectives given in the brackets.**
   1. Philip is an _____ man. (quality)

   2. We did not take _____ book. (quantity).

   3. _____ movie were you talking about? (Interrogative)

   4. _____ mangoes are sweet to taste. (Demonstrative)

G. **Underline the verbs in the sentences and write whether they are transitive or intransitive.** (2)
   1. Father is cooking dinner today.

   2. We are fond of food.

H. **Convert the following sentences as directed.** (3)
   1. Nisha knew my name. (Simple present)

   2. Rohit feels sad. (Future continuous)

   3. I have completed my homework. (Past perfect)

I. **Circle the action words in the following sentences.** (3)

   1. I am playing ludo.

   2. Fish is swimming in the aquarium.

   3. Birds are flying in the sky.

J. **Select the appropriate word from the brackets after each sentence to fill in the blanks.** (2)

   **1.** You must work _____ (seriously, already)

   **2.** He looked _____ after changing his clothes. (pretty, better)

   **3.** Ravi goes to the garden _____ (daily, already)

   **4.** Ashish is _____ careless to pass the examination. (too, enough)

K. **Complete the following sentences using appropriate prepositions.** (2)

   1**. Is your brother …………………. home?**
   a) in
   b) at
   c) on

   **2. He is a man ………………….. humble origin.**
   a) of
   b) with
   c) from

   **3. The boy was beaten ………………… a stick.**
   a) by
   b) with
   c) Either could be used here

   **4. John was punished ……………….. his father.**
   a) with
   b) for
   c) by

L. **Fill in the blanks using appropriate conjunctions.** (2)

1. He is taller……………I am.
2. I read novels………… they are interesting.
3. I took bread………….. butter for me.
4. He is poor……………. honest.

M. **Give synonyms**. (1)

1. Pain
2. Small

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