Awasiya Rajkamal Concept School

Veer Kunwar Singh Colony,Mahisouri,Jamui(Bihar-811307)
Ph. No.:-7762090008

Class VI & VII

Syllabus for Entrance Test

Math

Number System, Addition , Subtraction, Multiplication, Division, Ascending and Descending order, LCM & HCF , Roman Number, Fraction, Decimal, Integers , Simplification, Algebra, Linear Equation in one Variable, Ratio, Unitary Method, Percentage, Profit & Loss , Average, Simple Interest, Menstruation

English

Noun, Pronoun, Verb, Adjective, Number, Gender, Person, Preposition, Conjunction, Article, Tense, Voice, Narration, Comprehension , Essay, Translation, Sentence Arrangement, Antonyms, Synonyms, Idioms&Phrases, Conjunction and prepositions

General Knowledge

- **State and Union Territories, Our Country India (Important Facts), Countries, Capitals and Currencies, Important Books & Their Authors, Classical Dances of India , Rivers & Lakes in India, National Parks & Wild Life Sanctuaries in India, Important Indian Personalities, Inventions & Inventors, The United Nation, Our Solar System & Their Planets, Our Earth Parallels & Meridians, Motion of the Earth, Introduction of Bihar. Major Landform(about mountains, plateaus , plains, deserts , and rivers), Natural Resources(Types of natural resources and their conservation), Weather and climate(about weather, climates and climatic or heat zones), Towards freedom(about revolt of 1857), India wins Freedom(how and when India became free), Environmental pollution(Cover air, water soil (land) and noise pollution), Natural Disasters(Earthquake, Volcano, floods, droughts and cyclone.**

Science

1. **What the body is made of (**Topics:- cells, tissues, organs, organ systems microorganisms)
2. **Transport and excretion (**Topics:- Heart & Blood vessels Blood, Kidneys)
3. **Bones & Muscles(**Topics Skeletal system, Muscular system)
4. **Brain & Senses(**Topics:- The brain, The spinal cord The sense organs.)
5. **Diseases(**Topics- Communicable & Non- communicable or deficiency diseases)
6. **Food habits of organisms(**Topics:- Producers, Herbivores, Carnivores Insectivores, Omnivores , Parasites, Saprophytes)
7. **Adaptations(**Topics:- Aquatic plant & Animals Desert Plant & Animals, Migration Birds)
8. **Natural resources(**Topics :- Forests and grasslands , wildlife Rocks, Metals & Non metals, soil Fuels, Air, water. Recycling, pollution)
9. **Producing & storing food(**Topics:- Ploughing, fertilizers, Sowing seeds, Irrigation, protecting crops, Harvesting, Storing)
10. **Matter(**Topics:- Atoms, Elements, compounds states of matter)
11. **Chemicals around the house(**Topics:- Acids, Bases, Salts)
12. **Synthetic materials(**Topics; Plastics synthetic fibers)
13. **Simple machines(**Topics:- Lever, pullings, Inclined planes screw, wheel & axle)
14. **Sound(**Topics:- Production & Direction of sound musical instruments)
15. **How things work(**Topics:- Electricity, Heat & Light)

हिन्दी

वर्ण, संज्ञा, सर्वनाम, विशेषण, भाषा, लिपि, लिंग, वचन , कारक, क्रिया, गद्यांश, मुहावरे, एक शब्द के बदले अनेक शब्द , विलोम शब्द , पर्यायवाची शब्द , संधि एवं समास , शुद्ध–अशुद्ध शब्द, उपसर्ग एवं प्रत्यय

Awasiya Rajkamal Concept School

A Platform to Fulfill Children's Dream.

SAMPLE PAPER

Class-VI

Name:- ……

Mother's Name:- ……

Father's Name:- ……..

Name of Previous School: …… Village:- …….

Post:-…… District:- ……..

State:- …….. Pin No:- ……

Phone No. :- ……/……..

General Instructions

- Students are advised to read the question carefully before writing the answer.
- Write Name, Fathers Name, Class, Roll No, Section, on answer sheet before writing the answer.
- Average qualifying mark is 45% in each subject.

Subject	Full Marks	Obtained Marks
Maths	50	
Science	25	
S.st	25	
English	25	
Hindi	25	

Invigilator's Signature **Student's Signature**

Maths

1. Make (√) against the correct answer in each of the following : - 5M

(i) 1 Lakh = --------- thousands
(a) 10 (b) 100
(c) 1000 (d) none of these

(ii) How many times does the digit 9 occur between
1 and 100 ?
(a) 11 (b) 15 (c) 18 (d) 20

(iii) 1512 when rounded off to the nearest hundred is
(a) 1600 (b) 1500
(c) 1510 (d) none of these

(iv) The smallest whole number is
(a) 1 (b) 0 (c) 2 (d) none of these

(v) The predecessor of 10000 is
(a) 10001 (b) 9999 (c) none of these

2. Fill in the blanks : 5M

(i) The smallest natural number is ----------
(ii) The largest negative integer is --------
(iii) 16 kg 5 g = -------- kg
(iv) $(b^2 - a^2)$ - $(a^2 - b^2)$ = ----------
(v) Each angle of an equilateral triangle measures -------

3. Which of the following statements are true and which are false ? 5M

(i) A parallelogram has no line of symmetry
(ii) A rhombus has four lines of symmetry .
(iii) The diagonals of a rhombus bisect each other at right angles.
(iv) 3 g = 0.003 kg
(v) |- 40| + 40 = 0

4. Answer these questions:- 10M

(i) The product of two numbers is 2160 and their HCF is 12 . Find their LCM.

(ii) The total population of a city is 28756304 If the number of males is 16987059, find the number of females in the city.

(iii) Rohit bought a pencil for ₹ $3\frac{2}{5}$ and an eraser for ₹ $2\frac{7}{10}$ what is the total cost of both the articles?

(iv) If 9 is added to a certain number, the result is 36. Find the number?

(v) Write the table of 21 and 23.

5. Answer the following questions:- 25M

(i) The length and breadth of a rectangular field are in the ratio 5:3 . It its perimeter is 128 m , find the dimensions of the field.

(ii) Mrs. Goel is 27 yrs older than her daughter Rekha . After 8 yrs she will be twice as old as Rekha . Find their percent ages.

(iii) Solve : $\frac{x}{4} - 5 = \frac{x}{6} + \frac{1}{2}$

(iv) Simplify : $\left[3\frac{1}{4} \div \left\{1\frac{1}{4} - \frac{1}{2}\left(2\frac{1}{2} - \overline{\frac{1}{4} - \frac{1}{6}}\right)\right\}\right]$

(v) The sum of two integers is 65. If one of the integers is – 47, find the other.

Science

MCQ (5M)

1. A person wants to separate salt from seawater. Which method should they use?

a) Filtration b) Evaporation
c) Decantation d) Sedimentation

2. Which of the following connects muscle to the bone?

a) Ligament b) Tendons
c) Hinge joint d) Patella

3. Which of the following is NOT a characteristic of living things?

a) Growth b) Reproduction
c) Respiration d) Rusting

4. Which part of the human digestive system absorbs most nutrients?

a) Stomach b) Small intestine
c) Large intestine d) Liver

5. Which one of the following processes does NOT release carbon dioxide into the atmosphere?

a) Respiration b) Photosynthesis
c) Burning of fuels d) Decay of dead organisms

B. Fill in the blanks:-

1. ____ is the process by which green plants use sunlight to make food and release oxygen.
2. The organ in the human body responsible for producing insulin is the ____.
3. The male reproductive part of a flower is called __.
4. The longest bone in the human body is the __.
5. The image formed by a plane mirror is __ and __.

C. Answer these questions.

1. What are the major nutrients present in food

2. What are deficiency diseases? Give examples.

3. Explain the functions of roots, stems, and leaves.

4. What are bone joints? Name different types of joints.

5. What are the characteristics of living things?

6. Why should we reduce the use of plastic?

7. What are the properties of magnets?

8. What is an electric circuit?

9. Differentiate between conductors and insulators

10. What are the conditions required to form a shadow?

11. What is the reflection of light?

12. Write the difference between shadow and Image.

S.st

A. MULTIPLE CHOICE QUESTIONS:

1.Motion of the earth on its axis in about 24 hours is called
(a) revolution (b) rotation
(c) both (a) and (b) (d) none of these

2.Motion of the earth around the sun is known as
(a) revolution (b) rotation
(c) both (a) and (b) (d) none of these

3.What is orbital plane?
(a) Plane formed by the axis (b) Plane formed by the orbit
(r) Both (a) and (b) (d) None of these

4.Which one of the following is the source of light on the earth?
(a) The moon (b) The sun
(c) The satellite (d) The space

5.The circle that divides the globe into day and night is called
(a) circle of darkness (b) circle of day and night
(c) circle of illumination (d)none of these

B. Fill in the Blanks using unscramble words (GLOBE, UNIVERSAL, SKETCH, SMALL SCALE, COMPASS) 1X5=5

1. A _____map is used to show large areas like continents or countries on a paper.

2. A _____ is an instrument used to find out main directions.
3. Maps have a _____ language that can be understood by all.
4. A drawing mainly based on memory and spot observation is called____ ___.
5. Maps are more informative than a _____.

C. State whether true or false: 1X5=5
(a) Rajas who let the ashvamedha horse pass through their lands were invited to the sacrifice.
(b) The charioteer sprinkled sacred water on the king.
(c) Archaeologists have found palaces in the settlements of the janapadas.
(d) Pots to store grain were made out of Painted Grey Ware.
(e) Many cities in mahajanapadas were fortified.

D.SHORT ANSWER QUESTIONS 1X4=4
1Which state in India is known as the 'Land of Five Rivers'?
2. Which is the largest state in India by area?
3. Name two cities of Indus civilization?
4. who was the founder of Buddhism?

4.LONG ANSWERS QUESTIONS 3X2=6
1. Name two essential features of a democratic government.
2. Define Natural resource and Human made resource. Give three suitable example of each?

English

Section A (Reading)(8M)

1. Read the given passage carefully and answer the questions the follow :-

In a small town there lived a kind little girl named Maya. She lived helping others and often shared her toys with her friends. One day, while walking home from school, she saw an old man sitting on a bench looking sad. Maya approached him and asked. Why are you sad sir ?"

The old man replied, "I lost my way home and don't know how to get back" . Maya felt sorry for him and decided to help. She as ked him to describe his home, and after listening carefully, She remembered the way. Together, they walked to the old man's house.

When they arrived, the old man thanked Maya and gave her a shiny coin as a reward. Maya smiled and said" , I Just wanted to help !" From that day, the old man became her friend.

Questions:

Fill in the blanks

(i) Maya lived in a _____ town.
(ii) The old man was sitting on a _____
(iii) Maya received a shiny _____ as a reward

Multiple choice questions

(i) What did Maya love to do?
  (a) Play alone
  (b) Help others
  (c) Collect coins
  (d) Go shopping

(ii) How did Maya help the old man?
  (a) She gave him money
  (b) She walked him home
  (c) She bought him food
  (d) She called for help

(iii) What did the old man lose?
(iv) How did Maya feel when she helped the old man ?

Section B (Grammar)

2. Fill in blanks with correct prepositions choosing from given options. 5M

(i) She prefers tea ___ coffee.
  (a) then (b) from (c) to
(ii) We were _____ the bus stop.
  (a) on (b) at (c) in
(iii) He is fond ____ classical music
  (a) on (b) for (c) of
(iv) She is good ____ English.
  (a) in (b) into (c) at
(v) I was here _____ time.

(a) in (b) at (c) on

3. Rearrange the words to make meaningful sentences. 3M

(i) has / he / chair / no / on / to / sit
(ii) is / sin / telling / a / lie
(iii) learn / to / important / is / languages / new / it

4. Make sentences with the given 'Homonyms' words. (3M)

Die
Dye
Seat
Sit
Sent
Scent

5. The following sentence contains errors in article usage. Rewrite the sentence by correcting the errors. 3M

(i) I saw a elephant at the zoo.
(ii) The water is important of all living thing.
(iii) He is a European.
(iv) The sun rises in east.
(v) I need a advice about my career.
(vi) He wants to be a astronaut

6. Turn into plural form. 1M

Foot _____
Goose _____

7. Write a few sentences about your pet dog. 2M

Hindi

A. उचित विकल्प चुनकर लिखें – (1×5 = 5)

1. निम्न में से कौन अंतस्थ व्यंजन वर्ण हैं –
(क) उ (ख) त
(ग) ल (घ) इनमें से कोई नहीं
2. संस्कृत भाषा किस लिपि में लिखी गई है –
(क) फारसी (ख) गुरूमुखी
(ग) रोमन (घ) देवनागरी
3. हिन्दी दिवस कब मनाया जाता है –
(क) 2 अक्टूबर (ख) 14 सितम्बर
(ग) 14 नवंबर (घ) 5 सितम्बर
4. पुस्तकालय किस प्रकार का शब्द है –
(क) योगरूढ़ (ख) रूढ़
(ग) यौगिक (घ) इनमें से कोई नहीं
5. पृथ्वी का पर्यायवाची नहीं है –
(क) धरती (ख) वसुंधरा
(ग) भू (घ) रत्न

B. निम्न का विलोम शब्द लिखें – (1×3 = 3)

(क) खेत
(ख) आरंभ
(ग) आय

C. निम्न का वर्ण विच्छेद करे – (1×3 = 3)

(क) ज्ञान
(ख) हिन्दी
(ग) संशय

D. निम्न का संधि विच्छेद करें – (1×3 = 3)

(क) पवित्र
(ख) जगदीश
(ग) नमस्ते

E. अनेक शब्दों के बदले एक शब्द लिखें (1×3 = 3)

(क) पंद्रह दिन में एक बार होने वाला –
(ख) काम से जी चुराने वाला –
(ग) जो पहले हुआ था –

F. निम्न उपसर्ग से दो – दो शब्द बनावें – (2)

आ –
खुश –

G. (3×2 = 6)

(i) संज्ञा किसे कहते हैं ? इनके भेदों को लिखों।

अपने प्रधानाध्यापक के पास एक आवेदन पत्र लिखें जिसमें अपने बड़े भाई के शादी समारोह मे जाने के लिए तीन दिनो की छुटटी की मांग हो ।