Awasiya Rajkamal Concept School

Science

Ch-1 Nutrition in Plants
Topics: - Modes of nutrition in plants, photosynthesis, Insectivorous plants saprotropha
Ch-2 Nutrition in Animals
Topics: - Different way of taking food, Digestion in humans Ruminants, Amoeba
Ch-3 Fiber to Fabric
Topics: - Animal fibers, Life history of silk moth.
Ch-4 Heat
Topics:- Hot & Cold, Measuring temperature Transfer of heat, conductor & insulators. Conduction, Convection & Radiation
Ch-5 Acids, Bases and salts
Topics: - Acids and Bases, indicators, Neutralization.
Ch-6 Physical & Chemical changes
Topics: - Physical & chemical changes. Rusting of Iron Galvanization, Crystallization,
Ch-7. Weather, Climate and Adaptations of animals to climate.
Topics: - Weather, Climate, Adaptation in Animals & Plants
Ch-8 Winds, Storms & cyclones
Topics: - Air pressure, Thunderstorms & cyclone safety measures
Ch-9 Soil
Topics: - Importance of soil, soil profile, soil types , properties of soil
Ch-10 Respiration in organisms
Topics: - Respiration & its types, Breathing Human respiratory system, Breathing in Animals
Ch-11 Transportation in Animals & plants.
Topics: - Circulatory system in human, Heart Artery, Veins, Excretion in Animals, Transportation in plants.
Ch-12. Reproduction in plants
Topics: - Modes of reproduction, Fertilization seed dispersal
Ch-13. Motion and Time
Topics: - Slow& fast motion, speed, measurement of time, units of speed & time, Distance time graph, uniform motion
Ch-14. Electric current and its effect
Topics: - Symbols of electric components, Heating effect of electric current, Magnetic effete of electric current
Ch-15. Light
Topics: - Reflection of light, Image, subject lateral inversion, spherical mirrors, Lenses.
Ch-16. Water & Forest
Topics: - Forms of water, Sources of water, Distribution & management of water, Importance of water.
Importance of forest types of plants, Environment soil erosion etc.

SST

1. Our past (History)

❖ In this subject you have to cover about –
- New kings and kingdoms
- The Delhi Sultans
- The Mughal Empire
- Tribes, Nomads and settled communities
- Devotional Paths to the Divine
- The making of regional cultures
- Eighteenth- Centaury political formation

2. Geography

❖ In this subject , you have to study about-
- Environment
- Inside our earth and changing the earth
- Air and water
- Natural vegetation and wildlife
- Human environment- settlement, Transport and communication
- The tropical and the subtropical Region
- Life in the Deserts

3. Civics

❖ In this subject you have to study about-
- Equality in Indian Democracy
- State Government
- Gender
- Media
- Markets

Hindi

- **Grammar:-**
  हिन्दी भाषा – स्वरूप, क्षेत्र एवं महत्व– परिभाषा , भाषा का स्वरूप , हिन्दी भाषा परिवार अन्य आधुनिक भारतीय आर्य भाषाएँ, क्षेत्र एवं बोलियाँ, भाषा और व्याकरण
- वर्ण विचार– परिभाषा, भेद स्वर एवं व्यंजन का उच्चारण स्थान, संयुक्त एवं तल बिन्दु वाले व्यंजन , अल्पप्राण एवं महाप्राण व्यंजन, घोष एवं अघोष वर्ण, व्यंजन गुच्छ एवं द्वित्व व्यंजन
- वर्तनी – नियम एवं त्रुटि– शोधन
- विराम चिह्न – संपूर्ण जानकारी एवं प्रयोग
- शब्द विचार – परिभाषा एवं भेद, तत्सम, तद्भव, देशज एवं विदेशज।
- संज्ञा लिंग एवं वचन संपूर्ण अध्ययन
- कारक– संपूर्ण अध्ययन
- सर्वनाम , विशेषण, क्रिया एवं वाच्य संपूर्ण अध्ययन
- काल– परिभाषा भेद एवं उपभेद

- अव्यय– परिभाषा एवं भेदों का संपूर्ण अध्ययन
- पर्यायवाची, श्रुतिसम भिन्नार्थक शब्द, विलोम शब्द अनेक शब्दों के लिए एक शब्द ,ऊनार्थक शब्द मुहावरे एवं लोक्तियाँ
- वाक्य विचार– परिभाषा, भेद एवं उपभेद
- निबंध लेखन
- आवेदन पत्र एवं पत्रलेखन
- कहानी लेखन

Math

1. Integers
2. Fractions
3. Decimals
4. Rational Numbers
5. Exponents
6. Algebraic Expressions
7. Linear Equations in One Variable
8. Ratio And Proportion
9. Unitary Method
10. Percentage
11. Profit and Loss
12. Simple Interest
13. Lines and Angles
14. Properties of Parallel Lines
15. Properties of triangles
16. Congruence
17. Constructions
18. Mensuration
19. Probability

Reference Book:- R.S. Agrawal-7

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Awasiya Rajkamal Concept School

A Platform to Fulfill Children's Dream.

SAMPLE PAPER

Class-VIII

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

Section- A (Each questions of 1 Marks)

I. The cost of 20 pencils is Rs. 80. What is the cost of 15 pencils.
II. What is the coordinates of point Q on the graph at X= 5 and Y= -4.
III. The set of positive and negative integers together with O is called _____ .
IV. Define Euler's formula.
V. What is the area of rectangle whose perimeter is 169cm and length is 12 cm?
VI. If M-10 = -31, find M,
VII. Define Range of the data,
VIII. How many sides a nonagon has?
IX. What is the volume of a cube with side $\sqrt{3}$ Cm?
X. What are 2- dimensional and 3- dimensional shapes? Give two examples of each.

Section B (Each questions of 2 Marks)

1. The sum of two numbers is 144. One of the numbers decreased the other by 81. Find the numbers.
2. Simplify $49x^2 - 169y^2$
3. Divide Rs. 840 between Amit and Tanvg in the ratio 5:7.
4. **Simplify:-** $\left[6^{-1} + \left(\frac{3}{2}\right)^{-1}\right]^{-1}$
5. **Find X** 0.18(5x-4)= 0.5x+0.8
6. Express 18 hours as a percentage of 3 days.
7. Find the area of a rectangle whose base is 1.2m and hypotenuse 3.7m.
8. The diameter of the wheel of a cycle is 70cm. How far will it go in 250 revolutions?
9. In a survey of 100 ladies it was found that 36 like coffee while 64 dislike it. One of these ladies, one is chosen at random. What is the probability that the chosen lady like coffee.
10. Find the simple interest on Rs. 2500 for 2 years 6 Months at 6% per annum.

Section- C (Each questions of 5 Marks)

A. Find the percentage of pure gold in 22- carat gold, If 24-carat gold is 100% pure gold.
B. A garrison of 500 men had provision for 24 days. However, a rein forcement of 300 men arrived. For how many days will the found last row?
C. Simplify :- $(5x-6)(2x-3)+(3x+5)^2$
D. By selling a rickshaw for Rs 9240. Banshi loses 12% for how much should he sell it to gain 12%.

Science

(Section-A)1×7=7-Marks

1. What is the role of chlorophyll in plants?
a) Absorbs sunlight
b) Transports water
c) Absorbs carbon dioxide
d) Helps in photosynthesis by capturing light energy

2. Which of the following is a common property of acids?
a) They turn red litmus paper blue
b) they turn blue litmus paper red
c) They feel slippery
d)They have a bitter taste

3. Which of the following is an example of a physical change?
a) Burning of a candle b) Melting of butter
c) Cooking of food d) Rusting of iron

4. What is the male reproductive part of a flower called?
a) Stigma b) Style
c) Anther d) Pistil

5.**In the electrolysis of copper sulfate solution, which substance is deposited at the anode?**
a) Copper b) Hydrogen
c) Oxygen d)Sulphate

The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.
A. If both assertion and reason are correct and reason is correct explanation of the assertion
B. If both assertion and reason are correct, but the reason is not the correct explanation of the assertion.
C. If assertion is correct, but reason is incorrect.
D. If assertion is incorrect, but reason is correct.

6.**Assertion (A):** Heat is a form of energy that causes a change in the temperature of a substance.
Reason (R): Heat flows from a substance at a higher temperature to a substance at a lower temperature.

7.**Assertion (A):** A car moving with a constant velocity of 60 km/h for 2 hours covers 120 kilometers.
Reason (R): Distance is calculated by multiplying speed and time.

(Section-B)1.5×6= 9-Marks

8. What happens when an acid reacts with a base?
9.What is the role of a battery in an electric circuit? Also draw the diagram of electric circuit.
10.Why are forests called the "lungs of the Earth"?
11.What are the different ways in which heat can be transferred?
12.What are the laws of reflection of light?
13. What is the main function of the transport system in animals?

(Section-C)3×3= 9-Marks

14.what is difference between nutrition and nutrients?
Or
Write the type of teeth and their function.
15.What is meant by the magnetic effect of electric current? Name the three-appliance based on this effect.
Or
What is the difference between speed and velocity? Explain with examples, and describe how you can calculate the speed of an object in motion.
16. What is the difference between conduction, convection, and radiation? Explain with examples of how heat is transferred in each case.
Or
What are acids, bases, and salts? Explain their properties, and give one example of each. How are salts formed?

S.st

A. Fill in the blanks: 1x5=5

i. _____ was the last Mughal emperor.
ii. The Constitution of India was adopted in _____
iii. _____ is the President of India?
iv. _____state in India is known as the 'Land of Five Rivers'
v. _____ is the largest state in India by area.

B. Write "True" or "False" next to each statement. 1x5=5

i. The Mughal Empire was established by Akbar.
ii. The Indian Constitution guarantees the right to freedom of speech and expression
iii. The Battle of Plassey was fought between the British and the Marathas.
iv. The Himalayas are young fold mountains

v. The process of weathering involves the breaking down of rocks.

SHORT ANSWER QUESTIONS 1X5=5

i. Name two prominent leaders of the Indian National Congress.
ii. When did India gain independence?
iii. Who wrote the national song of India, 'Vande Mataram'?
iv.Name three major division of Himalaya .
v. What is the meaning of 'secularism'?

LONG ANSWERS QUESTIONS 2X5=10

i. What were the main causes of the Revolt of 1857?
ii. What are the different types of natural vegetation found in India?
iii. What is the difference between a renewable and a non-renewable resource?
iv. What is the role of the police in society?
v. What are some of the challenges faced by Indian democracy today?

English

1. Read the passage carefully and answer the questions given below . 1x4 = 4M

Lakshadweep is an archipelago located 200 – 400 km west of the coast of Kerala in the Arabian sea. The archipelago consists of 36 main islands and many smaller islands coral atolls and coral reefs. It is smallest union territory in India. Lakshadweep means a hundred thousand islands in the local language Malayalam. Earlier the name Lakshadweep referred to the three or chapelgoer in the Indian ocean the present Lakshadweep Maldives and Suvadives . Only ten of the Lakshadweep islands , are inhabited and more than 90 percent of the indigenous population is Muslims.

The main economic activities are fishing coconut , cultivation and coir twisting. Tourism is am emerging industry . Tourists require an entry permit to visit Lakshadweep is India's largest producer of coconuts. About . 2,598 hectors are under coconut cultivation and the productivity per hectare is 22,310. Coconuts cultivated in the Lakshadweep are also rich in coconut oil .

(i) _____ is the smallest union territory in India
(ii) Lakshadweep is situated in _____ .
(iii) _____ are the main economic activities of Lakshadweep islands.
(iv) Foreigners can visit only _____ .

2. Chang into indirect speech : 1.5x3 = 4.5M

(i) Mr. Jha said," I saw the Taj Mahal"
(ii) He said to me , "Where is your book ?"
(iii) He said to me, "Do you know the way ?"

3. Rewrite the following sentences as instructed. 1.5x3 = 4.5M

(i) Birds fly high. (negative)
(ii) We invited him to lunch. (question)
(iii) He has lost money. (negative question)

4. Put each of the sentences into passive voce. 1x4 = 4M

(i) Reeta can do it.
(ii) My mother gave me an ice-cream.
(iii) Did Hair buy the radio?
(iv) When does the boy eat his breakfast?

5. Translate into English. 1.5x2 = 3M

(i) बच्चे शोर मचा रहे हैं।
(ii) रवि रोज सुबह व्यायाम करता है।

6. Write a letter to the principal requesting him to grant 5 days leave. (Mention the reason) . 5M

Hindi

1. उत्तर के सही विकल्प पर (√) का निशान लगाएँ – (5M)

(क) माराठी भाषा की लिपि का नाम है –
(a) गुरूमुखी (b) रोमन

(c) तमिल (d) देवनागरी

(ख) स्पर्श व्यंजन की कुल संख्या हैं –
(a) 33 (b) 52
(c) 25 (d) 42

(ग) 'महेद्र' का सही संधिवच्छेद होगा –
(a) महान + इंद्र (b) महा + इंद्र
(c) महि + इंद्र (d) मही + इंद्र

(घ) 'जो कभी बूढ़ा न हो ' के लिए एक शब्द क्या होगा ?
(a) अजर (b) अमर
(c) जवान (d) वयोवृद्द

(ङ) अमृत का सही पर्यायवाची शब्द है –
(a) रस (b) रसायन
(c) गरल (d) अमिय

2. कोष्ठक के शब्दों में उचित उपसर्ग लगाकर खाली स्थान भरें – (3M)

(क) कल हुई ——— (घटना) में वह घायल हो गया।
(ख) तुम्हे जब भी काम हो ——— (खटके) यहाँ आ जाओ।
(ग) तुम बहुत ——— (बल) हो , खाने पीने पर ध्यान दो

3. निम्नलिखित शब्दों में से मूल शब्द और प्रत्यय अलग – अलग करके लिखें – (2M)

भूखा , ढोलकी , दयालु , विषैला

4. निम्नलिखित समास का विग्रह करें – (3M)

महावीर , नीलकंठ , कमलनयन

5. निम्नलिखित का स्त्रीलिंग रूप लिखें – (2M)

भाग्यवान , अभिनेता , विद्वान , विधुर

6. किसी एक विषय पर निबंध लिखें – (5M)

1. स्वतंत्रता दिवस **अथवा**
2. वसंत पंचमी

7. अपने मुहल्ले में बढ़ते अपराधों को रोकने के लिए अपने जिला के पुलिस अधीक्षक को एक आवेदन पत्र लिखें । (5M)