<table>
<thead>
<tr>
<th>UNIT/LESSONS/ TOPICS TO BE COVERED</th>
<th>MODE OF ASSESSMENT</th>
<th>COMPETENCIES/SKILLS/ CONCEPTS TO BE ASSESSED</th>
<th>SUGGESTED VALUE POINTS</th>
</tr>
</thead>
</table>
| *Rational Numbers  
* Linear Equations | Worksheet/Openbook assignment – application based Quiz, Oral Test | Individual Activity Sums based on application of concept, reasoning skills and interpretation of word problems | a) Application of concept  
b) Reasoning Skills  
c) Conversion of word problems into mathematical form  
d) Time management  
e) Neatness |
| * Linear Equations (continued). | Viva/Puzzle | Reasoning Skills Numerical Skills | Correctness of the answer a) Knowledge  
b) Reasoning  
c) Accuracy & precision  
d) Time management |
| *: Understanding Quadrilaterals  
* Practical Geometry | Paper cutting activity | Verification of properties | Application of concepts. |
| * Squares and Square Roots  
* Cubes and Cube Roots | Pattern formation | REASONING CREATIVITY | a) Identification  
b) Comparison |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>c) Calculation</th>
<th>d) Interpretation</th>
<th>d) Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>REVISION</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FA I</td>
<td>10</td>
<td></td>
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</tr>
<tr>
<td>FA II</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SA I</td>
<td>20</td>
<td></td>
<td></td>
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<tr>
<td>TOTAL</td>
<td>40</td>
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</tr>
<tr>
<td>UNIT/LESSONS/ TOPICS TO BE COVERED</td>
<td>MODE OF ASSESSMENT</td>
<td>COMPETENCIES/SKILLS/CONCEPTS TO BE ASSESSED</td>
<td>SUGGESTED VALUE POINTS</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>* Data Handling</td>
<td>Note book assessment</td>
<td>C.W/H.W maintenance</td>
<td>a) Index/Date</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b) Heading/Topic</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>c) Regularity</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>d) Neatness</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>e) Drawing skills</td>
<td></td>
</tr>
<tr>
<td>* Comparing Quantities</td>
<td>Computation &amp; comparison</td>
<td>Analysis Accuracy</td>
<td>a) Acquisition of content knowledge</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b) Logical reasoning</td>
<td></td>
</tr>
<tr>
<td>* Algebraic Expressions</td>
<td>Paper cutting &amp; pasting</td>
<td>Verification of identities</td>
<td>a) Concept</td>
<td></td>
</tr>
<tr>
<td>*Visualising Solid Shapes</td>
<td>Lab activity test</td>
<td>Verification</td>
<td>b) Skills</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>c) Presentation</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>c) Observations</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Correct Response</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Written test based on knowledge, reasoning and application based problems</td>
<td>MCQs 1m×5Qs = 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2m×4Qs = 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3m×5Qs = 15</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4m×3Qs = 12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>
| *Mensuration* | Field work  
Paper folding activity  
PROJECT | Measuring & computing skills | Originality /Creativity  
research work  
concept  
presentation  
relevant  |
|---|---|---|---|
| *Exponents and Powers*  
* Direct and Inverse Proportions | Quiz | Participation & coordination | Accuracy  
Depth of the content  |
| *Factorisation* | Notebook assessment  
Drawing activity | C.W/H.W maintenance  
Drawing skills | a) Index/Date  
b) Heading/Topic  
c) Regularity  
d) Neatness  
e) Corrections  
Neatness, interpretation  |
| *Introduction to Graphs* | | | |
| *Playing with Numbers* | Puzzle | Reasoning skill | Reasoning  |
| REVISION | | Individual Written Test  
based on knowledge, reasoning and application  
based problems | FA III  
10  
FA IV  
10  
SA II  
40  
TOTAL 60 |
1. Two adjacent angles of a parallelogram are \((2x + 25)^0\) and \((3x - 5)^0\). Then the value of \(x\) is

2. Find the number of diagonals in a polygon of 10 sides.

3. A Triangular pyramid is also called as ______

4. 3 men or 5 women can do a work in 12 days. How long will 6 men and 5 women take to do it?

5. The diagonal of a cube is 9\(\sqrt{3}\) cm long. Its total surface area is ______

6. The angles of the quadrilateral are in the ratio 4:5:8. Find the measure of these angles.

7. Construct a square. Each of whose side measures 6 cm.

8. Verify Euler formula for the given figure.

9. A beam of wood is 8 m long and 42 cm thick is made of 1.25 m\(^3\) of wood. What is the width of the beam?

10. A solid cube of metal, each of whose sides measures 2.3 cm, is melted to form a cylindrical wire.
of radius 2 mm. What will be the length of wire so obtained.

11. The House rent of 15 houses for a month are given below
1500, 2000, 1500, 1800, 1200, 2000, 1800, 1650, 1700, 1800, 2000, 1750, 1600, 1500, 1800
Arrange the data in increasing order and form the frequency table using equal class intervals, starting from 1500

12. Two adjacent angles of parallelogram are in the ratio 5:6 find the measure of each angles

13. The length of a rectangle is 8 cm and each of its diagonals measure 12 cm. Find its breadth.

14. Construct a quadrilateral PQRS with PQ = 7 cm, QR = 4.8 cm, RS = 3.5 cm and angle Q = 45°, R = 90°

15. Find the area of enclosed by the given figure ABCDEF as per dimensions given below

![Diagram of ABCDEF]

16. Various modes of transport used by 1500 students of a school are given below:
Draw a bar graph to represent the above data.

<table>
<thead>
<tr>
<th>Mode of Transport</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>School bus</td>
<td>600</td>
</tr>
<tr>
<td>Private bus</td>
<td>300</td>
</tr>
<tr>
<td>Ricksha</td>
<td>300</td>
</tr>
<tr>
<td>Bicycle</td>
<td>100</td>
</tr>
<tr>
<td>By foot</td>
<td>200</td>
</tr>
</tbody>
</table>

17. A die is thrown. What is the probability of getting a) a number greater than 2 b) a even number

18. The following data shows the agricultural production for certain year in India

<table>
<thead>
<tr>
<th>Food Grains</th>
<th>Rice</th>
<th>Wheat</th>
<th>Coarse Cereals</th>
<th>Pulses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production in Tonnes</td>
<td>57</td>
<td>75</td>
<td>45</td>
<td>20</td>
</tr>
</tbody>
</table>

19. Draw the graph of the function y = 2x
### CCE CALENDAR FOR 2012-13

#### CLASS VIII

**TERM -1 (April – September)**

<table>
<thead>
<tr>
<th>TOPICS TO BE COVERED</th>
<th>MODE OF ACTIVITIES</th>
<th>COMPETENCIES/SKILLS/CONCEPTS TO BE ASSESSED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Crop production</strong></td>
<td>1. Crossword puzzle</td>
<td>1. Inquisitiveness, recall, correlate</td>
</tr>
<tr>
<td></td>
<td>2. Flow chart</td>
<td>2. Recall, recollect, spatial thinking</td>
</tr>
<tr>
<td></td>
<td>3. Collection of pictures of agricultural implements - make a scrap book</td>
<td>3. Accurate recalling of events, documentation of learner’s experience</td>
</tr>
<tr>
<td></td>
<td>4. Discussion on storage of grains</td>
<td>4. Spirit of enquiry, assertive</td>
</tr>
<tr>
<td><strong>Micro organisms</strong></td>
<td>1. Quiz</td>
<td>1. Conceptualisation, Application, Calculation</td>
</tr>
<tr>
<td></td>
<td>2. Crossword puzzle</td>
<td>2. Inquisitiveness, recall, correlate, mental alertness</td>
</tr>
<tr>
<td></td>
<td>3. Flow chart of Nitrogen cycle</td>
<td>3. Recall, recollect, spatial thinking</td>
</tr>
<tr>
<td></td>
<td>4. Group activity - evolution of carbon dioxide by fermentation of sugar solution</td>
<td>4. Active participation, observation, critical thinking, leadership qualities, communication</td>
</tr>
<tr>
<td></td>
<td>5. Seminar on vaccination and antibiotics</td>
<td>5. Leadership qualities, communication, innovative and scientific achievement</td>
</tr>
<tr>
<td></td>
<td>6. Identification of common food preservatives from common food items/soft drink, jam, chips, pickles.</td>
<td>6. Able to apply relevant knowledge and tabulate facts well</td>
</tr>
<tr>
<td></td>
<td>7. Group discussion on importance of immunization</td>
<td>7. Active participation, makes interesting observation, analyse critically and generate new ideas</td>
</tr>
</tbody>
</table>
| Synthetic fibres | 1. Group discussion on synthetic fibres  
2. Collection of different plastic items and segregate them into thermoplastic and thermosetting plastics.  
3. Pick and speak on reduce, reuse, recycle, recover, bio degradable and non bio degradable materials.  
4. Peer assessment sheet on “plastics as material of choice”. | 1. Active participation, team spirit, socialization  
2. Observation, Analyse, organize, drawing generalization  
3. Good communicative skills, interpretation, self confidence  
4. Leadership quality, creativity, Originality, peer relative behaviour, social skill. |

| Metals and non-metals | 1. Group activity on physical properties of metals and non-metals  
2. Preparation of index cards for four metals and non-metals  
3. Group discussion—gold is a preferred metal for jewellery.  
4. Quiz based on experiments. | 1. Leadership quality, spirit of enquiry, observation, Critical thinking.  
2. Recall, recollect, analyse, interpret  
3. Spirit of enquiry, assertive  
4. Observation, logical thinking, inference |

| Coal and petroleum | 1. Symposium on petroleum products and their uses.  
2. Debate on exhaustible and inexhaustible natural resources  
3. Crossword puzzle  
4. Locating the places on India map where petroleum refineries are situated. | 1. Accuracy, Coordination, critical thinking, presentation.  
2. Fluent presentation with appropriate gestures, confidence  
3. Inquisitiveness, recall, correlate, mental alertness  
4. Accuracy, locating, Labeling, identification, neatness |
<table>
<thead>
<tr>
<th>Combustion and flame</th>
<th>Conservation of plants and animals</th>
</tr>
</thead>
</table>
| 1. Collection and sorting of materials into combustible and non-combustible materials.  
2. Making a working model of a fire extinguisher.  
3. Quiz/oral questions  
4. Worksheet on different zones of a flame.  
5. Group discussion on global warming. | 1. Observation, organize, analyse, record and draw conclusion.  
2. Creativity, critical thinking, correlating with real life, self-confidence  
3. Conceptualization, Application, Calculation  
4. Identification, ability understand, to grasp, recall, define and reason.  
5. Spirit of enquiry, assertive, active participation, interesting observation, analyse critically and generate new ideas. |
| Conservation of plants and animals | 1. Group work – campaign could be launched to protect the endangered species.  
2. Group discussion on protected area, national park, wild life sanctuaries and project tiger, biodiversity-hot spots.  
3. Crossword puzzle  
4. Map work to locate national park, wild life sanctuaries.  
5. Pick and speak - deforestation, reforestation, recycling of papers, red data book.  
6. Slogan writing | 1. Active participation, team spirit, socialization  
2. Spirit of enquiry, assertive, interesting observation, analyse critically, generate new ideas.  
3. Inquisitiveness, recall, correlate, mental alertness  
4. Accuracy, locating, Labeling, identification, neatness  
5. Good communication skills, interpretation, self confidence  
6. Creativity, originality and innovative |
| 1. Observation, organize, analyse, record and draw conclusion.  
2. Creativity, critical thinking, correlating with real life, self-confidence  
3. Conceptualization, Application, Calculation  
4. Identification, ability understand, to grasp, recall, define and reason.  
5. Spirit of enquiry, assertive, active participation, interesting observation, analyse critically and generate new ideas. | 1. Identification, analyzing, critical thinking  
2. Identification and correlation, recall, recollect  
3. Interpretation, identity relationship, practical skills.  
4. Search for information, articulate ideas.  
5. Inquisitiveness, recall, correlate, mental alertness. |
| 1. Observation, organize, analyse, record and draw conclusion.  
2. Creativity, critical thinking, correlating with real life, self-confidence  
3. Conceptualization, Application, Calculation  
4. Identification, ability understand, to grasp, recall, define and reason.  
5. Spirit of enquiry, assertive, active participation, interesting observation, analyse critically and generate new ideas. | 1. Recall, recollect, Understand  
2. Recall, application, mental alertness, speed |
| Cell structure and function | 1. Work sheet – labeling of diagram  
2. To name the organelles involved.  
3. MCQ  
4. Riddles  
4. Recall, recollect, interpretation, identity relationship  
5. Inquisitiveness, recall, correlate, mental alertness |
|-----------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Revision                    | FA I 10  
FA II 10  
SA I 20  
Total 40 | II TERM (Oct – Mar)  
1. Oral test  
2. Quiz  
3. Work sheet-scientific Terms  
4. MCQ  
5. Crossword puzzle | 1. Inquisitiveness, recall, correlate, mental alertness  
2. Identification, analyzing, critical thinking, search for information, articulate ideas.  
3. Analysing, critical thinking, recall, Recollect, practical skills.  
4. Analyse, interpret, draw conclusion, conceptualization |
| Reproduction in animals     | 1. Explore work with one’s hand, develop positive attitude, sharing and learning.  
2. Accuracy, coordination, presentation  
3. Identification, analyzing, critical thinking  
4. Self confidence, originality, innovative |
| Reaching the age of adolescence | 1. Crossword puzzle  
2. Worksheet-scientific terms  
3. MCQ  
4. Data collection on height of boys and girls and plotting a graph | 1. Analyse, interpret, draw conclusion, conceptualization  
2. Inquisitiveness, recall, correlate, mental alertness  
3. Spirit of enquiry, assertive, active participation, leadership skill  
4. Self confidence, originality, innovative |
| Force and pressure | 1. Group activity to identify the effects of force  
2. Case study /symposium on pressure and its application in daily life  
3. Worksheet on pressure and atmospheric pressure  
4. Individual activity to show contact forces and non-contact forces: Muscular force, friction, electrostatic force, gravitational force and magnetic force | 1. Inquisitiveness, recall, correlate, mental alertness  
2. Interpretation, practical skills  
3. Recall, application, mental alertness, speed  
4. Confident, listening skill, observation, good organization of thought, active participation  
5. Analyse, interpret, draw conclusion, conceptualization, collaborative skill  
6. Spirit of enquiry, assertive, active participation, leadership skill  
7. Observation, Inquisitive and systematic approach, recording, analyzing and drawing inference |
| Friction | 1. Collection of data from the footwear shops to observe soles of shoes  
2. Crossword puzzle  
3. Group discussion on advantages and disadvantages of friction | 1. Confident, original, team spirit, develop positive attitude  
2. Collection of data, interpreting, presenting, hypothesising, decision making, collaborative skills |
<table>
<thead>
<tr>
<th>Sound</th>
<th>4. Individual activities on factors affecting friction.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Crossword puzzle on scientific terms.</td>
</tr>
<tr>
<td></td>
<td>2. MCQ</td>
</tr>
<tr>
<td></td>
<td>3. Quiz/oral</td>
</tr>
<tr>
<td></td>
<td>5. Survey to analyse the musical instruments for the origin of sound.</td>
</tr>
<tr>
<td></td>
<td>6. Group discussion on noise pollution.</td>
</tr>
<tr>
<td></td>
<td>7. Experimental project on vibrating object produce sound-individual activity.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical effects of electric current</th>
<th>1. Group activity – conduction test for different electrolyte(fruits and vegetables-lemon juice, vinegar)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Field trip to commercial electroplating unit and collection of data on objects being electroplated with their purposes.</td>
</tr>
<tr>
<td></td>
<td>3. Knowledge on disposal of chemical wastes.</td>
</tr>
<tr>
<td></td>
<td>3. Individual activity on</td>
</tr>
</tbody>
</table>

| | 3. Self confidence, scientific skills, inquisitiveness, observation, recording, analyzing. |
| | 1. Motor skills, spatial skills, logic, practical application skill. |
| | 2. Spirit of enquiry, assertive, active participation, leadership skill |
| | 3. Accurate recall of events, creativity, provides insight into emotional, social and psychological aspects. |
| | 4. Recall, application, mental alertness, speed |
| | 1. Recall, application, mental alertness, speed. |
| | 2. Search for information, articulate ideas. |
| | 3. Confidence, team spirit to learn and share. |
| | 4. Active participation, observation, critical thinking, communication skill |
| | 5. Critical thinking, analyzing, interpreting, presenting, collaborative skill. |
| | 6. Accuracy, coordination, presentation, communication skill |

<p>| | 1. Recall, application, mental alertness, speed. |
| | 2. Identification, search for information, articulate ideas. |
| | 3. Deductive reasoning and analyzing |
| | 4. Understands events taking place, helps to indicate different ways of thinking |
| | 5. Motor skills, spatial skills, logical coordination, practical application skill. |
| | 6. Documentation of learner’s experience |</p>
<table>
<thead>
<tr>
<th>Some natural phenomena</th>
<th>working of testers.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Making model of electroscope lightning conductor, seismograph.</td>
<td>1. Recall, application, mental alertness, speed</td>
</tr>
<tr>
<td>2. Discussion on protection against earth quake.</td>
<td>2. Confident, team spirit, personality development, communication skill.</td>
</tr>
<tr>
<td>3. Poster making on earthquakes, movements of earth’s plates.</td>
<td>3. Understands events taking place, helps to indicate different ways of thinking.</td>
</tr>
<tr>
<td>4. Quiz</td>
<td>4. Critical thinking, collaborative skills, presentation</td>
</tr>
<tr>
<td></td>
<td>5. Analysing, critical thinking, recall, recollect, interpretation.</td>
</tr>
<tr>
<td>Light</td>
<td>6. Active participation, observation, critical thinking, communication skill,</td>
</tr>
<tr>
<td></td>
<td>leadership quality.</td>
</tr>
<tr>
<td>1. Oral/quiz on phenomena-terms, parts of the eye, images etc.</td>
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<tr>
<td>2. Worksheet</td>
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<tr>
<td>3. Group activity to verify the laws of reflection.</td>
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<tr>
<td>4. Group discussion on care of the eyes.</td>
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<tr>
<td>5. Survey – children using the spectacles below the age of 12 years and the possible</td>
<td></td>
</tr>
<tr>
<td>reasons for their eye defect.</td>
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<tr>
<td>6. Seminar on visually challenged persons and Braille.</td>
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<tr>
<td>Stars and the solar system</td>
<td>1. Quiz</td>
</tr>
<tr>
<td></td>
<td>2. Worksheet</td>
</tr>
<tr>
<td></td>
<td>3. Riddles</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Pollution of air and water</td>
<td>Revision</td>
</tr>
<tr>
<td>---------------------------</td>
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</tr>
<tr>
<td>4. Video clippings</td>
<td></td>
</tr>
<tr>
<td>5. Preparing a model of solar system showing the planets and their relative sizes.</td>
<td></td>
</tr>
<tr>
<td>1. Quiz</td>
<td></td>
</tr>
<tr>
<td>2. Group activity- Symposium on water pollution.</td>
<td></td>
</tr>
<tr>
<td>3. News analysis- read the paper cutting and answers the questions.</td>
<td></td>
</tr>
<tr>
<td>4. Case study on monuments(The Taj)</td>
<td></td>
</tr>
<tr>
<td>5. MCQ</td>
<td></td>
</tr>
<tr>
<td>6. Group discussion on green house effect and Ganga action plan.</td>
<td></td>
</tr>
</tbody>
</table>

| FA III | 10 |
| FA IV  | 10 |
| SA II  | 40 |
| Total  | 60 |
List of chapters covered in this sample paper

1. Reproduction in animals.
2. Reaching the age of adolescence.
3. Force and pressure.
4. Friction.
5. Sound.
6. Chemical effects of electric current.
7. Some natural phenomena.
8. Light.
9. Stars and solar system.
10. Pollution of air and water.
SECTION- A (PHYSICS)

I. Choose the correct option. (1x4=4)

1. What will be the charge of a metal cap, when a positive rod is brought near the end of the metal cap of an electroscope?
   a) Positive.
   b) Negative.
   c) Neutral.
   d) None of these.

2. Which of the following is not a planet of the solar system?
   a) Mercury.
   b) Earth.
   c) Sirius
   d) Saturn.

3. A friction can be defined as ________________.
   a) Magnetic force.
   b) Non contact force.
   c) Non magnetic force.
   d) Contact force.

4. What type of image is formed by a plane mirror?
   a) Real.
   b) Inverted.
   c) Magnified.
   d) Laterally inverted.

II. Give one word answers for the following. (1x4=4)

1. Where are asteroids found in the solar system?
2. Name the scientist who showed and proved that the lightening and the spark produced from our clothes are the same?
3. Name the force which opposes motion?
4. Name the unit used to measure the loudness of sound?

III. Give reasons for the following. (2x2=4)

1. Why do the charged balloons attaches to the wall?
2. Explain why lightning is seen earlier and thunder is heard later?

IV. Answer the following questions. (2x2=4)

1. Define pressure, force and friction with their SI units?
2. Give difference between the following terms?
   i. Regular reflection & Diffused reflection.
   ii. Noise and sound.

V. Answer the following questions.  
   \(3 \times 3 = 9\)

1. Define the following terms:
   i. Solar system.
   ii. Constellation with examples.
   iii. Satellites with examples.
2. How is sound produced?
3. Calculate the time period of the vibration if mosquito produces the sound by vibrating its wings at an average rate of 500 vibrations per second?

VI. Answer the following questions.  
   \(5\)

1. Define atmospheric pressure and name the device used to measure the atmospheric pressure?  
   \(2\)
2. List out the sources of noise pollution around your city?  
   \(1\)
3. Explain in detail the functioning of larynx with neat labeled diagram?  
   \(2\)

SECTION- B (CHEMISTRY)

VII. Choose the correct option.  
   \(1 \times 4 = 4\)

1. Which of the following is greenhouse gas?
   a) Nitrogen.
   b) Carbon dioxide.
   c) Sulphur dioxide.
   d) None of the above.
2. Smog is mixture of ________.
   a) Sulphur dioxide and nitrogen dioxide.
   b) Smoke and fog
   c) Oxygen and nitrogen
   d) Dust and Fog?
3. The rise in Earth’s temperature is called as ________.
   a) Pollution
   b) Global warming.
   c) Acid rain.
   d) All the above.
4. In which place the Ozone hole is largest.
   a) India.
   b) USA.
   c) Antarctica.
   d) Europe.
VIII. Give one word answers for the following. (1x4=4)

1. Name the compound that causes acid rain?
2. What is the percentage of oxygen present in air?
3. Which gas is produced by incomplete combustion of fossil fuels?
4. Which gas is dangerous to our health?

IX. Answer the following questions. (2x4=8)

1. Define air pollution?
2. List out the different ways in which air gets contaminated?
3. How does water pollution affects the life of aquatic animals?
4. What do you mean by marble cancer?

X. Answer the following questions. (3x3=9)

1. Explain the effects of air pollution?
2. Explain how can we reduce water pollution?
3. Describe the effects of pollution caused to the beauty of the Taj Mahal?

XI. Answer the following questions. (5)

1. Define water pollution? Explain the causes of water pollution? (2)
2. What is Van Mahotsav and when it is celebrated? (1)
3. Describe in brief about global warming? (2)

SECTION - C (BIOLOGY)

XII. Choose the correct option. (1x4=4)

1. The total number of nuclei present in a zygote is ________.
   a) One.
   b) Two.
   c) Three.
   d) Zero.

2. Name the gland that secretes progesterone hormones?
   a) Pituitary.
   b) Ovaries.
   c) Thyroid.
   d) Pancreas.

3. Reproductive age in women starts when their__________.
   a) Height increases.
   b) Weight increases.
   c) Menstruation starts.
   d) Breasts start developing.
4. Which of the following hormone is responsible for the development of moustaches in males?
   a) Testosterone.
   b) Estrogen.
   c) Progesterone.
   d) Thyroxin.

XIII. Give one word answers for the following. (1x4=4)

1. Name the gland that secretes estrogen hormones?
2. What is the total number of chromosomes present in the nuclei of the cells?
3. Which male organ produces gamete?
4. Which type of fertilization takes place in mammals?

XIV. Give reason for the following. (2x4=8)

1. Why the reproduction is considered as an important process in all living organisms?
2. Why Platypus and Echidna are not considered as oviparous animals?
3. Why the sex hormones regulate secondary sexual characters?
4. Why there is sudden changes observed in the height, weight and other body features in an individual?

XV. Answer the following questions. (14)

1. Explain briefly about the process of fertilization in human beings? (3)
2. List out the common change that occurs during puberty? (3)
3. Give difference between the following terms: (3)
   i. Zygote and embryo.
   ii. Sexual reproduction and asexual reproduction.
4. Define the following terms: (3)
   i. Asexual reproduction.
   ii. Adam’s apple.
   iii. Adolescence.
   iv. Viviparous animals.
   v. Metamorphosis.
   vi. Hermaphrodites.

4. Define the following terms: (2)
   i. External fertilization with examples.
   ii. Hormones with examples.
   iii. Binary Fission.
   iv. Puberty.
### CCE Calendar of activities
**2012-2013**

**CLASS VIII**  **SOCIAL SCIENCE**

**CCC CALENDAR OF ACTIVITIES**

<table>
<thead>
<tr>
<th>1&lt;sup&gt;ST&lt;/sup&gt; TERM</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TOPICS TO BE COVERED</th>
<th>MODE OF ASSESSMENT</th>
<th>COMPETENCIES/SKILLS/CONCEPTS TO BE ASSESSED</th>
</tr>
</thead>
</table>
| *How, When and Where*  
  *Resources*  
  *Indian constitution* | Debate  
  Group project  
  Slip test | • James Mill classification  
  • Resources & conservation  
  • Content |
| *From trade to Territory.*  
  *Ruling Countryside.*  
  *Land, Soil, Water, Natural Vegetation and Wildlife.*  
  *Understanding Secularism.* | Map  
  Project  
  Individual activity  
  Drawing  
  Skit | • Expansion of British empire  
  • Different stages of Indigo production  
  • Analysis & Interpretation of table 2.1 (page 10)  
  • Soil profile  
  • Value of Secularism |
<table>
<thead>
<tr>
<th>Topic</th>
<th>Activities</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Why do we need Parliament</td>
<td>Comparative study.</td>
<td>・ Lok Sabha &amp; Rajya Sabha</td>
</tr>
<tr>
<td>Tribals, Dikus and the vision of a golden age</td>
<td>Map, Project, Map, Quiz, Map, Skit, Role play/Poem</td>
<td>・ Major Tribal groups of India</td>
</tr>
<tr>
<td>Minerals and Power resources.</td>
<td></td>
<td>・ Collection of pictures of major tribal groups of India</td>
</tr>
<tr>
<td>Understanding Laws.</td>
<td></td>
<td>・ Content</td>
</tr>
<tr>
<td>When people Rebel – 1857 and after.</td>
<td></td>
<td>・ Locate and label different minerals found in the world.</td>
</tr>
<tr>
<td>*Colonialism and the city.</td>
<td>Project</td>
<td>・ Story board (domestic violence)</td>
</tr>
<tr>
<td>REVISION</td>
<td></td>
<td>・ Leaders of 1857 revolt</td>
</tr>
</tbody>
</table>

<p>| Assessment                                      |                           |                           |
|                                                 | FA I 10                   | FA II 10                  |
|                                                 | SA I 20                   | TOTAL 40                  |</p>
<table>
<thead>
<tr>
<th>TOPICS TO BE COVERED</th>
<th>II TERM MODE OF ASSESSMENT</th>
<th>October - March COMPETENCIES/SKILLS/CONCEPTS TO BE ASSESSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Judiciary</td>
<td>Flow chart Discussion</td>
<td>* Hierarchy of judiciary * Importance of independent judiciary</td>
</tr>
<tr>
<td>*Weavers, Iron smelters and factory owners.  *Agriculture</td>
<td>Project &amp; Viva Project Map Skit/Spelling</td>
<td>* Collection of pictures of craft works from different states * Collection of samples of grains, pulses, beverage &amp; fibre crops * Distribution of major Crops (world) * Theft case based on Text Book(story board) * Difficult words for spelling test</td>
</tr>
<tr>
<td>*Understanding our criminal Justice system.</td>
<td>*Civilizing the native, Educating the nation.</td>
<td>* English education has enslaved us</td>
</tr>
<tr>
<td>*Industries</td>
<td>Map</td>
<td>* Distribution of industries</td>
</tr>
<tr>
<td>Topic</td>
<td>Activity</td>
<td>Content</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>---------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>*Understanding Marginalization</td>
<td>MCQ</td>
<td>* Content (open book)</td>
</tr>
<tr>
<td></td>
<td>Surprise test</td>
<td>* Content</td>
</tr>
<tr>
<td>*Women, Caste and Reforms</td>
<td>Role play</td>
<td>* Reformers</td>
</tr>
<tr>
<td>*Changing world of Visual Arts</td>
<td>Power point</td>
<td>* Paintings &amp; photographs related to colonial period</td>
</tr>
<tr>
<td></td>
<td>Presentation (group Activity)</td>
<td></td>
</tr>
<tr>
<td>*Making of national movement</td>
<td>Skit</td>
<td>* Jallianwala bagh massacre and Dandi March</td>
</tr>
<tr>
<td>*Human resources</td>
<td>Collage</td>
<td>* Adverse effects of growing population</td>
</tr>
<tr>
<td>*Confronting Marginalization</td>
<td>Work sheet</td>
<td>* Content</td>
</tr>
<tr>
<td>*India after Independence</td>
<td>Discussion</td>
<td>* India after independence (education, industries &amp; agriculture)</td>
</tr>
<tr>
<td></td>
<td>Map</td>
<td>* French &amp; Portuguese colonies</td>
</tr>
<tr>
<td>Public facilities</td>
<td>Collage</td>
<td>* Water scarcity in city</td>
</tr>
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<tr>
<td>Discussion</td>
<td>Elocution</td>
<td>* Role of citizens in maintaining public facilities</td>
</tr>
<tr>
<td>* Law and Social Justice</td>
<td></td>
<td>* What kind of laws do you make to protect environment?</td>
</tr>
</tbody>
</table>

FA III 10
FA IV 10
SA II 40
TOTAL 60
PLEASE NOTE:

Map Items (Summative Assessment)

History
Chapter 2: From trade to territory
   Delhi, Bombay, Madras, Calcutta & Mysore

Chapter 4: Tribals, dikus & vision of golden age
   Khonds, Baigas, Mundas, Banjars

Chapter 5: When people rebel – 1857 & after
   Jhansi, Awadh, Kanpur, Lucknow, Meerat, Barrackpore, Rai Barely

Chapter 11: The making of National Movement (1870 – 1947)
   Amritsar, Dandi, Surat, Poona, Bombay, Calcutta

Chapter 12: India after independence
   Princely states (Junagadh, J & K, Hyderabad)
   Portuguese colony (Goa, Diu, Daman, Dadra & Nagar Haveli)
   French colonies (Pondichery, Karaikal, Yanam, Mahe, Chandranagore)

Geography

Chapter 3: Mineral & Power resources
   World Map Major coal field, mineral oil deposits, iron, bauxite & copper deposits

Chapter 4: Agriculture
   World Map Distribution of rice, wheat, cotton, jute, coffee, tea

Chapter 5: Industries
   Iron & steel plants, cotton textile manufacturing regions.
Sample Paper of Social Science (SEM-II) for class 8 SET-1

Max. Marks: 50 Time: 2 hours

General Instructions:

- Questions 1 to 10 carry 1 mark each. Answer in 1 or 2 sentences
- Questions 11 to 20 carry 2 marks each. Answer in 3 or 4 sentences
- Questions 21 to 25 carry 3 marks each. Answer in 5 or 6 sentences
- Question 26 carries 5 marks.

A. Answer the Following questions: (1 X 10 = 10)

1. What is caste system?
2. Who has started the Satya Shodak Samaj?
3. Who are known as dalits?
4. Who has started the Anti-Untouchability League?
5. What is the occupation of vaishyas?
6. Why did British set up the municipal corporation?
7. Name one hill station established by the British in India.
8. What was the capital of India in 1772?
9. What feature of Delhi attracted countless empires to make it their capital?
10. Who was started the newspaper named Sambandh Kaumudi?

B. Answer the Following questions: (2 X 10 = 20)

11. Name two Indian painters who experimented with the native style.
12. Give an example of each of the features of the Greek and Indo-Saracenic styles.
13. Name any two sugar producing countries.
14. What is smelting? Why Jamsetji Tata choose Jamshedpur to set up his iron and steel plant?
15. Name any two moderately populated regions.
16. What is meant by human resource?
17. What is disaster management?
18. Mention any two steps taken by the government for the welfare of the dalits.
19. What is integrated Rural Development programme?
20. What is the main mode of transport in rural India?

C. Answer the Following questions: (3 X 5 = 15)
21. Write a short note on the partition of Bengal.
22. Write a short note on the Simon commission.
23. Iron and steel Industry is considered as the key or a basic industry. Explain.
24. What is a cyclone? What is the kind of damage inflicted by a cyclone?
25. What are the kinds of medical facilities available in India today for the rural poor?

26. What are Five-Year plans? What are the major functions of a government? \(2 + 3 = 5\)