

Class VIII

General Instruction:-

1. Subject wise practice assignments to be attempted on ruled sheets.
2. Revise the chapters covered till date.

English

Change the following into Reported Speech

1. Emily: "Our teacher will go to Leipzig tomorrow."
Emily said (that) _____
2. Helen: "I was writing a letter yesterday."
Helen told me (that) _____ .
3. Robert: "My father flew to Dallas last year."
Robert told me (that) _____ .
4. Lisa: "Tim went to the stadium an hour ago."
Lisa said (that) _____ .
5. Patricia: "My mother will celebrate her birthday next weekend."
Patricia said (that) _____
6. Mandy: "Are the boys reading the book?"
Yesterday Mandy asked me _____
7. Jason: "Who gave you the laptop?"
Yesterday Jason wanted to know _____
8. Robert: "Is Tim leaving on Friday?"
Yesterday Robert asked me _____
9. Daniel: "Will it rain tomorrow?"
Yesterday Daniel asked me _____
10. Jennifer: "Where do you play football today?"
Yesterday Jennifer wanted to know _____

2. Join each pair of the following sentences by means of a suitable conjunction.

1. James smokes. His brother does not smoke.
2. Alice hasn't come. Mary hasn't come.
3. She speaks English. She speaks Spanish.
4. I like him. He is very sincere.
5. He did not win. He worked hard.
6. She is ill. She is cheerful.
7. We decided to go out. It was raining.
8. The piper played. The children danced.
9. James works hard. His brother is lazy.
10. I went to the shop. I bought some vegetables.

3. Fill in the blanks with suitable modals

- 1) I _____ (buy) bread but I didn't know we needed it. (past possibility)

- 2) We _____(invite) so many people to our party! I'm worried that we won't have enough room for everyone. (past negative advice / regret)
- 3) I _____(start) saving money years ago! (past advice / regret)
- 4) We _____(join) you at the restaurant, but we couldn't get a babysitter. (past willingness)
- 5) The weather _____(be) any worse! (past negative possibility)
- 6) Keiko always does really well on exams. She _____(study) a lot.
- 7) That woman drives a very expensive car. She _____(have) a lot of money.
- 8) Why is that man looking around like that? He _____be lost.
- 9) That woman _____be a doctor! She looks far too young.
- 10) John always fails the tests, even though he's clever. He _____ study enough.

4. Read the given line and complete the story in 150-200 words. Give a suitable title to your story.

When Amit woke up in the morning and looked at his face in the mirror, he did not recognise the face looking back at him. 'This is not me he cried aloud ...

5. Social media sites are very popular among teenagers. They spend a majority of their time on these sites, socializing with their friends. Prepare a speech to be delivered in the morning assembly on the topic –“Social Media-Good or Bad for children”Use the hints given below-

- Has positive aspects, but one has to be cautious of bullying and victimisation.
- Can break a person
- Fake Facebook accounts
- Valuable time wasted on social media sites
- Can affect the future

हिंदी

1. ध्वनि कविता के माध्यम से कवि हमें क्या संदेश देना चाहता है?
2. वसंत आने की तुलना कवि ने मनुष्य जीवन से किस प्रकार की है ?उसके जीवन का क्या उद्देश्य है? स्पष्ट करें ।
3. हथकरघा उद्योगों के समाप्त होने के पीछे क्या-क्या कारण रहे होंगे? स्पष्ट करें।

4. मशीनीकरण के कारण बढ़ रही बेरोजगारी को किस प्रकार समाप्त किया जा सकता है ? अपने विचार विस्तार पूर्वक लिखिए ।
5. क्या निराश हुआ जाए पाठ के माध्यम से लेखक क्या सन्देश देना चाहता है ?
6. जीवन में श्रेष्ठ उद्देश्य को प्राप्त करने में सकारात्मक सोच का क्या योगदान हो सकता है ? अपने विचार लिखिए ।
7. पहली बोलती फिल्म के पोस्टर पर क्या लिखा गया था ? क्यों?
8. 'आलम आरा फिल्म' फिल्म निर्माण के क्षेत्र में एक मील का पत्थर क्यों साबित हुई ?
9. किन परिस्थितियों के कारण सुदामा जी को लगने लगा कि वे दिशाभ्रम के कारण पुनः द्वारिका आ गए हैं ?
10. सुदामा और कृष्ण की मित्रता से हमें क्या शिक्षा मिलती है ? मित्र बनाते समय हमें किन-किन बातों को ध्यान रखना चाहिए ?
11. एक साधारण सा लोटा अकबरी लोटा कैसे बन गया ? इसके पीछे की कहानी लिखें ।
12. वास्तविकता जाने बगैर विदेशी सामानों के लिए लालायित नहीं होना चाहिए 'अकबरी लोटा' पाठ के आधार पर लिखिए।
13. ग्वालिन ने यशोदा के पुत्र को अनोखा क्यों कहा होगा ?
14. बालक कृष्ण की मनमोहक बातें सुनकर और ग्वालिन के उलहाने सुनकर माँ यशोदा के मन में कौन से विचार उठते होंगे ?
15. बदलता वातावरण के दुष्परिणामों के लिए केवल हम मनुष्य जिम्मेदार हैं । विषय पर एक अनुच्छेद लिखिए ।
16. २६ जनवरी को होने वाली परेड के बारे होने वाली बातचीत को संवाद के रूप में लिखिए।
17. परीक्षा में की गई अपनी गलतियों को स्वीकार करते हुए भविष्य में न दोहराने का विश्वास दिलाते हुए प्रधानाचार्या महोदय को पत्र लिखिए ।
18. भ्रष्टाचार मिटाओ विषय पर विज्ञापन या स्लोगन का निर्माण करें ।
19. विशेषण एवं क्रियाविशेषण के अंतर को उदहारण सहित स्पष्ट कीजिए ।
20. शब्दालंकार की परिभाषा देते हुए उसके भेदों को उदहारण सहित स्पष्ट कीजिए ।
21. दिए गए शब्दों से भाव वाचक संज्ञा बनाए-
बंधू, वकील, सवतंत्र, कृत्रिम, भारतीय, परिश्रमी, कामयाब, बूढ़ा, धर्म
22. उचित प्रत्यय लगाकर शब्दों को पुनः लिखे-
महत्त्व, प्रदर्शन, पिछड़ा, व्यक्ति, मूर्खता, गति, रूढ़ि, समाज, कहानी, धर्म।
23. निम्नलिखित शब्दों के वर्ण विच्छेद कीजिए-
कर्मयुद्ध, सहोदर, जनमानस, उज्ज्वल, वसुंधरा, श्रृंगार, पल्लवित,

सृजनात्मक, कंचन, गंतव्य, प्रतीक्षा,

24. शब्दों के अर्थ लिखकर वाक्य में प्रयोग करें

पाँख , सौरभ, बाँचते , कर्मठ,

SANSKRIT

कार्यपृष्ठिका-1

1. निम्नपदानां सन्धि सन्धिविच्छेदम् वा कुरुत ।

1. रमेशः 2. शिक्षार्थी 3. एकैकः 4. धन+ अर्थी 5. विद्यालयः 6. भानु + उदयः

7. कपीशः 8. सु+उक्तिः

2. निम्नशब्दानां रूपाणि लिखत ।

1. मति 2. नदी 3. सर्व 4. पितृ 5. मातृ 6. तत् 7. एतत्

3. निम्नधातूनां रूपाणि लिखत ।

1. अस् एवं स्था धातु लंगलकार लोट् लकार

2. दा धातु लृट् लकार विधिलिङ्ग लकार

3. रक्ष् लट् लकार लृट् लकार

4. कृ धातु -जृट् लकार मध्यम पुरुष

4. अव्ययपदानां अर्थेण सह वाक्य-रचनां कुरुत ।

1. उच्चैः 2. श्वः 3. अपि 4. विना 5. तत्र 6. यत्र 7. कदा 8. परितः

5. निम्नपदानां प्रत्यय-संयोजनं प्रत्यय- वियोजनं वा कुरुत ।

1. पठ्+क्त्वा 2. नत्वा 3. सम्पठ्य 4. आदाय 5. पठितवती 6. हसितवान् 7. गतवन्तः

6. उपपदविभक्त्याधारे रिक्तस्थानानि पूरयत ।

1. छात्रः ----- प्रति गच्छति । नगर

2. अलम् ----- । विवाद

3. नमः ----- । आदित्य

4. गंगा ----- प्रभवति । हिमालय

5. ----- नमः । दुर्गा

6. रामः ----- बिभेति । सर्प

7. उपपद-विभक्तेः प्रयोगं कृत्वा निम्नपदैः वाक्यानि रचयत ।

1. प्रति 2. सह 3. भी 4. उभयतः 5. नमः 6. क्रुध् 7. हीन 8. विना

कार्यपृष्ठिका-2

1. पूर्णवाक्येन उत्तरत -

1. वृक्षः किम् अवदत् ?

2. गुणाः कुत्र गुणाः भवन्ति ?

3. गजधराः कस्मिन् रूपे परिचिताः ?

4. केषां समवायः सप्तभगिन्यः इति कथ्यते ?

5. केषांचित् पंचपुष्पाणां नामानि लिखत ।

6. कीदृशीनां कुरीतिनां सावित्री विरोधम् अकरोत् ?

2. निम्नपदानां लिंग-विभक्ति-वचनानि लिखत -

1. गजधराः 2. नापितैः 3. गृहे 4. वृक्षाणां 5. सप्तभगिन्यः 6. नद्यः 7. लोमशिका

8. समवायः 9. कुरीतिनाम् 10. पुष्पाणाम्

3. निम्नवाक्येषु रेखांकितानां पदानामाधारे प्रश्न-निर्माणं कुरुत -

1. लुब्धस्य यशः नश्यति ।

2. सिंहस्य नाम खरनखरः आसीत् ।

3. सः घटे जलमभरत् ।

4. व्याधः व्याघ्रं जालात् बहिः निस्सारयत् ।

5. तेषां स्वामिनः असमर्थाः सन्ति ।

6. गजधरः सुन्दरः शब्दः वर्तते ।

4. निम्नपदैः वाक्य-रचना कुरुत -

1. नापिताः 2. भगिन्यः 3. स्वामिनः 4. गुणाः 5. पिशुनस्य

5. गद्यांशाधारित प्रश्नोत्तराणां अभ्यासं कुरुत ।

6. कस्मिंश्चित् चित्राधारे पंचवाक्यानां रचनायाः अभ्यासं कुरुत ।

7. कार्यपृष्ठिकायाः पत्राभ्यासं कुरुत ।

Q.1. Add:

(a) $xy^2z^2 + 3x^2y^2z - 4x^2yz^2, -9x^2y^2z + 3xy^2z^2 + x^2yz^2$

(b) $4a(2b+5c), 4c(4a+5b)$

Q.2. Subtract:

(a) $7p(3q+9p)$ from $8p(2p-9q)$

(b) $-3p^2 + 3pq + 3pr$ from $4p(-p-q-r)$

Q.3. Multiply the following:

(a) $x^2y^2z^2, (xy - yz + zx)$ (b) $-\frac{100}{9}rs; \frac{3}{4}r^3s^2$

Q.4. Perform the following divisions:

(a) $(3pqr - 6p^2q^2r^2) \div 3pq$ (b) $(9x^3 - 6x^2 + cx) \div (-dx)$

Q.5. Factorize the expressions and divide them as directed:

(a) $(x^2 - 22x + 117) \div (x - 13)$ (b) $(3x^2 - 48) \div (x - 4)$

Q.6. If $a^2 + b^2 = 74$ and $ab = 35$, then find $a + b$

Q.7. If $m - n = 16$ and $m^2 + n^2 = 400$, then find mn

Q.8. Simplify:

(a) $\left(\frac{7}{9}a + \frac{9}{7}b^2\right) - 2ab$

(b) $(1.5p + 1.2q)^2 - (1.5p - 1.2q)^2$

Q.9. Expand the following using suitable identities:-

$$(i) \left(\frac{2}{3}x + \frac{3}{2}y\right)^2 \quad (v) (xy + yz)^2$$

$$(ii) (x^2y - xy^2)^2 \quad (vi) \left(\frac{2x}{3} - \frac{4a}{3}\right)\left(\frac{2x}{3} + \frac{4a}{3}\right)$$

$$(iii) (0.9p - 0.5q)^2 \quad (vii) \left(\frac{4}{5}p - \frac{5}{3}q\right)^2$$

$$(iv) 4x^2y^2 = (xy)^2 \quad (viii) (s^2t + tq^2)^2$$

Q.10. Factorize the following using suitable identities:

$$(i) a^2x^2 + 2abxy + b^2y^2 \quad (iii) 9y^2 - 4xy + \frac{4x^2}{9}$$

$$(ii) \frac{x^2}{4} + 2x + 4$$

$$(iv) a^2 - 16a - 80$$

Q.11. Simplify:

$$(i) [1^{-2} + 2^{-2} + 3^{-2}] \times 6^2$$

$$(ii) \left[\left(\frac{2}{13}\right)^{-6} \div \left(\frac{2}{13}\right)^3 \right]^3 \times \left(\frac{2}{13}\right)^{-9}$$

$$(iii) \left[\left(\frac{-2}{3}\right)^{-2} \right]^3 \times \left(\frac{1}{3}\right)^{-4} \times 3^{-1} \times \frac{1}{6}$$

$$(iv) \frac{49 \times z^{-3}}{7^{-8} \times 10 \times z^{-5}} \quad (z \neq 0)$$

$$(v) \left(\frac{3p}{7} + \frac{7}{6p}\right)^2 - \left(\frac{3p}{7} - \frac{7}{6p}\right)^2$$

Q.12. Using suitable rearrangement, find the sum:

(a) $\frac{4}{7} + (-\frac{4}{9}) + \frac{5}{7} + (-\frac{17}{9})$

(b) $-5 + \frac{9}{10} + \frac{5}{7} + (-3) + \frac{5}{14} + (-\frac{4}{5})$

Q.13. Using the distributivity of multiplication of rational numbers over addition to simplify:

(a) $-\frac{5}{4} \times [\frac{8}{5} + \frac{16}{15}]$ (b) $\frac{3}{4} \times [\frac{8}{9} - 40]$

Q.14. Using prime factorisation, find whether the following are perfect squares or not?

(a) 494 (b) 11250 (c) 841 (d) 729

Q.15. Find the square root of the following by using long division method:

(a) 27.04 (b) 1.44 (c) 1369 (d) 5625

Q.16. Solve for the unknown:

(a) $\frac{5(1-x) + 3(1+x)}{1-2x} = 8$

(b) $0.4(3x-1) = 0.5x + 1$

(c) $\frac{x}{2} - \frac{1}{4}(x - \frac{1}{3}) = \frac{1}{6}(x+1) + \frac{1}{12}$

(d) $3x - \frac{x-2}{3} = 4 - \frac{x-1}{4}$

SCIENCE

SECTION A

1. A matchstick does not catch fire on its own at room temperature. Why?
2. It is dangerous to burn coal in a closed room. Why?
3. What is the difference between the burning of a candle and the burning of a fuel like coal?
4. The calorific values of petrol and CNG are 45000 kJ/kg and 50,000 kJ/kg, respectively. If you have vehicle which can run on petrol as well as CNG, which fuel will you prefer and why?
5. If nucleus is not there, what would happen to the cell?
6. Give reasons for the following:
 - a) Red blood cells are spherical in shape.
 - b) Nerve cells are the longest cells found in human body.
 - c) Muscle cells are elongated and spindle-shaped.

7. Amoeba can attain the shape of paramecium. Can paramecium attain the shape of amoeba explain?
8. A single cell can perform all the functions of life, then why do we need many cells?
9. The size of the cells of an organism has no relation with the size of its body. Do you agree? Give reason for your answer.
10. Human baby resembles man, but the tadpole does not resemble. Give reasons?
11. How is reproduction in hydra different from that in amoeba?
12. Hens and frogs are both oviparous exhibiting different types of fertilisation. Explain
13. Why many adolescents get acne or pimples on their face during puberty?
14. Can we classify AIDS as communicable disease? Give reasons.
15. Why should an adolescent eat balanced food?
16. In human females, each time during maturation and release of egg the inner wall of uterus thickens. Is this thickening permanent? Give reasons.
17. It is believed that height of a child depends upon the genes inherited from parents. However, it is often seen that tall parents may have short children and vice-versa. Are there factors other than genes that can cause these variations?
18. In what way the loudness of sound is related to its amplitude of vibration?
19. Can two astronauts talk on the surface of moon as they do on earth? Why?
20. .Bats can ascertain distances, directions, nature and size of obstacles without eyes. How?
21. The town hall building is situated close to Rahul's house. There is a clock on the top of the town hall building which rings the bell every hour. Rahul has noticed that the sound of the clock appears to be much clearer at night. Explain.
22. What are LED's? Which lead will be connected to the negative terminal of the battery or a cell?
23. Explain with the help simple circuit diagram, how a metal copper is coated on electrode? Write reactions involved also.
24. An electric current is passed through a conducting solution. List any three possible observations.
25. Why is electroplating preferred?
26. We are unable to see the objects in a room for some time when we enter the room from an open ground?
27. What is the tail of comet due to?
28. Why do the phases of the moon occur?
29. A star is ten light years away from the earth. Suppose it brightens up suddenly today. After how much time shall we see this change?
30. Suppose the distance between earth and sun becomes half of its present distance. What is likely to happen to life?

SECTION B (PRACTICAL BASED QUESTIONS)

1. Anu wants to boil water quickly in a test tube. On observing the different zones of the flame, she is not able to decide which zone of the flame will be best for boiling water quickly. Help her in this activity.

2. Manu was heating oil to fry potato chips. The cooking oil all of a sudden caught fire; he poured water to extinguish the fire. Do you think this action was suitable? If yes, why? If not, why not? In such a condition what should Manu have done?
3. If you cover a burning kerosene lamp with a jar, will it also stop giving light after some time? Justify your answer.
4. You are given a permanent slide of a cell. By looking through the microscope how do you identify it as a plant cell or an animal cell?
5. A coloured substance is added to onion peel while preparing a temporary mount, why?
6. Lila always eats only dal and rice in every meal. She often falls ill and has become prone to diseases. Can you suggest changes in her diet which can make her healthy and free from disease?
7. "Sound is produced by the object only during vibration" Explain with suitable activity.
8. We have a stringed musical instrument. The string is plucked in the middle first with a force of greater magnitude and then with a force of smaller magnitude. In which case would the instrument produce a louder sound?
9. In which part of the sky, eastern or western, will the full moon rise?
10. What happens to light when it gets dispersed? Give an example.
11. How is the phenomenon of reflection used in making a kaleidoscope? What are the applications of a kaleidoscope?
12. Paheli saw the moon through a glass window at 8:00 p.m. She marked the position of the moon on the glass pane. She got up at 4 a.m. in the morning. Will the moon be visible at the same position?
13. The angle between incident ray and the mirror is 60° . What would be the angle of reflection?
14. Write the characteristics of image formed by a plane mirror.
15. In a kaleidoscope various patterns are seen. What is the principle involved in this?

SOCIAL SCIENCE

Term 1 Chapters

1. **History :Revolt of 1857**
 - a. Who led the revolt in Jhansi?
 - b. Who was Kunwar Singh?
 - c. Name four centers of revolt along with their leaders.
 - d. Why was Wajid Ali Shah removed by Lord Dalhousie?
 - e. Which reforms were resented by the Indian during the British rule and why?
 - f. Why did the Revolt of 1857 fail in achieving its objective?
 - g. What were the results of the revolt of 1857?
 - h. Can we call the uprising of 1857 as the First War of Independence?
Give reasons for your answer.
 - i. Map : on the outline map of India locate the places where the Revolt of 1857 took place.

2. **Geography: Land, soil, water, natural vegetation and wildlife.**
 - a. Give two reasons why we consider land to be an important resource.
 - b. What is the difference between the topsoil and the subsoil?
 - c. How will you differentiate between soil erosion and soil exhaustion?
 - d. Give one reason why land is kept fallow.
 - e. What are the factors that determine soil formation?
 - f. What are important features of contour farming and terrace farming? How are they helpful in soil conservation?
 - g. What are the other purposes of land use? Why have they assumed significance today?
 - h. What factors affect natural vegetation and wildlife?
 - i. Where are the deciduous monsoon forests found in India?
 - j. How does the altitude affect the natural vegetation and wildlife?
 - k. Why is it necessary to conserve the forest resources? Give some reasons.
 - l. List four threats to forest resources.
 - m. How do the national parks and sanctuaries conserve wildlife?
 - n. Map: on the outline map of India mark the major types of soil.
 - o.
3. **Mineral and power resources**
 - a. What is a mineral? Name the two main types of minerals.
 - b. Name three non-conventional renewable sources of energy.
 - c. Why is nuclear power not a very good form of energy generation?
 - d. Name a geothermal energy plant located in India. What is the future of this form of energy in our country?
 - e. How are coal and petroleum formed?
 - f. Explain how solar energy can be a good alternative to conventional sources of energy.
 - g. Explain four ways in which the mineral and power resources can be conserved.
 - h. What conditions are necessary for the generation of hydroelectric power in India?
4. **Judiciary**
 - a. Why do we say our judiciary is integrated?
 - b. Define the term "jurisdiction of a court".
 - c. Explain original and appellate jurisdiction.
 - d. What is P.I.L? How does it help to ensure easy access to the judiciary?

Assignment II
Term II Chapters

1. Explain Wood's Despatch
2. How did Tagore want to encourage creative learning?
3. The constitution guarantees all citizens a fair trial. Elaborate

4. What was the conditions of the women prior to the reform movement?

5. Explain:-

-Aligarh movement

-Veda Samaj

-Prathna Samaj

-Singh Sabha Movement

-Brahmo Samaj

6. Why is mechanization not so important in intensive subsistence agriculture?

7. Explain with example. The factors that affect the agriculture development

8. Why intensive subsistence agriculture is most common in India?

9. What steps have been taken by the government to ban manual scavenging?

10. What is manual scavenging?

11. Why Adivasi's are being increasingly marginalized?

12. What new opportunities opened up for the people belonging to the low caste during the British period?

13. Explain commercial farming along with its types.

14. Why are Articles 17 and 15 of the Indian Constitution so statement.

15. Is Right to Water a Fundamental Right? Explain the statement.

16. How do the middle class and rich people cope with shortage in water supply?

17. Why should government take the responsibility of supplying safe drinking water?