M.R. Citi Public School

Class: x

"Summer: A time to recharge, rediscover, and rise high"

Dear Parents,
Your child is entering a crucial stage of self-discovery, discipline, and academic growth. **Summer holidays offer a golden chance to shape not just their minds** but also their habits. Here are some Parenting Tips to make this journey rewarding:

Kindly note that the **summer vacation** for your ward will be from **30th May 2025 to 2nd July 2025.** The school will **reopen on 3rd July 2025** at the usual time.

Parenting Tips

1. Talk regularly with your child—ask open-ended questions about their day.
2. Help them plan a daily routine balancing study, screen, and rest.
3. Be available emotionally—adolescents need calm support, not judgment.
4. Encourage self-learning—guide them to find answers, not give them directly.
5. Monitor social media and screen time without invading privacy.
6. Let them fail and learn—mistakes are lessons, not labels.
7. Appreciate effort more than results—this builds inner confidence.
8. Involve them in home management—budgeting, cooking, or organizing.
9. Model discipline and reading—your actions teach louder than words.
10. Promote gratitude and humility through real-life stories.
11. Celebrate small wins—be it fitness, projects, or learning a new skill.
12. Discuss real-life decisions—current events, career paths, etc.
13. Reinforce values of respect, kindness, and time management.
14. Support their individuality—not all children are the same.
15. Maintain open communication with teachers.

Dear Students,

Your future is built by how you use your time today. This summer, relax, reflect, and grow stronger in mind, body, and spirit. Follow these tips to make your holidays meaningful:

Student Tips

1. Design your daily schedule—include 2–3 hours of focused study.
2. Revise key topics of each subject—use mind maps or flashcards.
3. Read at least 2 good books—fiction, biographies, or self-help.
4. Write a daily diary or blog to improve expression and thinking.
5. Practice meditation or yoga—it improves focus and calmness.
6. Limit phone/gaming time—use screen for learning, not addiction.
7. Learn a new skill—coding, cooking, creative writing, or music.
8. Help around the house—teamwork begins at home.
9. Watch educational documentaries or TED Talks weekly.
10. Maintain a fitness routine—walk, skip, dance, or any sport.
11. Spend time in nature—disconnect to reconnect.
12. Set SMART goals (Specific, Measurable, Achievable, Relevant, Time-bound).
13. Practice mock tests or Olympiad papers for self-evaluation.
14. Sleep 7–8 hours and stay hydrated—health fuels success.
15. Reflect weekly—what did I learn, how did I grow, what will I improve?

**"This summer, don't just pass the time—
Use it to pass your limits and surprise yourself."
Wishing you a joyful, productive and self-transforming break!**

With Best Wishes,

Principal

ENGLISH:

Q1.   Prepare ASL file with creativity, use colorful sheets
- Submit after vacations. Watch this link and get ideas from here,
  https://youtu.be/1ciAB38k830?feature=shared
- Topics: Ancient Education System VS Modern Education System
  - Indian Tourism
  - Biography of an inspirational leader with pictures- his struggles, contributions and achievements to be highlighted, should include world, Indian as well as regional leaders
  - Climate Change
  - Ethics and Values

Q2.   Do Reading passages (Assignment 1 to 5) (vol.1)   (Page no.13 to 21). (Vol.1)

Q3.   Do Grammar Assignment 6 to 10 (page no.145 to 153) (vol.1)

Q4.   Do Diagnostic Test (page no.179 to 186) (vol.1)

Q5.   Literature: Revise completed chapters and poems.

Q6.   Revise the questions given in the link below and write answers in separate note book. (use small notebook)

ASSIGNMENT

Short Answer Type Questions :

1.   What were Lencho's feelings when the hail stopped?
2.   How did Mandela's understanding of freedom change with age and experience?
3.   In the poem 'Dust of Snow' how does the poet's mood get changed?
4.   Explain why the poet personally holds the conviction that the world will primarily end in fire?
5.   Why do you think the tiger looks at the stars?
6.   Why is Mrs pumphrey responsible for Tricki's condition?
7.   How did the thief (Hari Singh) realize that Anil knew that his money had been stolen?
?
8.   Why did Fowler want to meet Ausable? Why was he disappointed?
9.   Why did Lencho write a letter to God?
10.   Why is Nelson Mandela unable to pay for the sacrifices of his people?

Long Answer Type Questions

1.   There are two kinds of conflicts in the story: between humans and nature, and between humans themselves. How are these conflicts illustrated? (A Letter to God).
2.   What did being free mean to Mandela as a boy,and as a student? How does he contrast these "transitory freedoms" with "the basic and honorable freedoms" ?
3.   Education, love and sympathy can transform even a thief. How is it true in the case of Hari Singh?
4.   "Too much of anything is good for nothing" Justify it with regard to "A Triumph of Surgery".
5.   A simple moment proves to be very significant and saves the rest of the day of the poet from being wasted. Explain on the basis of the poem, 'Dust of Snow'.

Creative Writing Skills : Letter to Editor

1. Accidents in big cities are a common phenomenon. Unfortunately, hardly anyone comes to the rescue of road victims because of fear of harassment by the police. Now that the Supreme Court has issued guidelines that people who take road victims to a hospital will not be questioned or detained, there is no reason why the bystanders/passers-by should hesitate to help road victims and thus discharge their duty as responsible citizens. Write a letter to the editor of a national daily, requesting him to make people aware of Supreme Court guidelines and urge them to help people in distress. You are Shyam /Shobha, 24, Raj Nagar, Kanpur.

2. You are Gobind/Geeta, a resident of Sector 37-C Chandigarh. You feel that the purpose of media is to create awareness. But sometimes, in a bid to sell ,the news is made more sensational, what is relatively unimportant is overemphasized, and what is important is ignored. In the light of this write a letter to the Editor 'The Tribune'giving inputs on the pros and cons of media.

<u>Analytical Paragraph</u>

1. India needs energetic and healthy youth to serve her but the school going children are turning lazy, obese and disease prone these days. Write a paragraph on the topic 'School Going Children - why lazy? You may use the hints given below :
   Hints— (no physical activities, instead of sports prefer video games ,chatting oninternet, TV watching, wrong food habits, used to junk food, soft drinks, effects, obesity, high blood pressure, over-weight, need to live a disciplined life).

2. You are Internet savvy. You believe that it plays a special role in making you a better informed student. Write a paragraph, expressing your views about its utility.
   Hints:
   *Great source of information
   *Fast and cheapest
   *Made the world very small
   *Broadens the aptitude of students

<u>PUNJABI:</u>

*ਦਸ ਗੁਰੂਆਂ ਦੀ ਜੀਵਨੀ ਨਾਲ ਸਬੰਧਤ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਫਾਈਲ ਤਿਆਰ ਕਰੋ।

* ਵਿਚਾਰ ਪ੍ਰਧਾਨ ਲੇਖ ਦੋ,ਆਮ ਵਿਸ਼ੇ ਵਾਲੇ ਦੋ(ਕੋਈ ਵੀ), ਨਿੱਜੀ ਪੱਤਰ ਦੋ, ਦਫ਼ਤਰੀ ਪੱਤਰ ਦੋ ਕਰਨੇ।

* ਗ,ਘ ਭਾਗ ਨਾਲ ਸਬੰਧਤ ਮੁਹਾਵਰੇ ਕਰਨੇ

* 'ਜ਼ਫ਼ਰਨਾਮਾ 'ਇਕਾਂਗੀ ਦੇ ਅਧਾਰ ਤੇ ਔਰੰਗਜ਼ੇਬ ਦੀ ਜੀਵਨੀ ਨਾਲ ਸਬੰਧਤ ਜਾਣਕਾਰੀ ਨੂੰ ਲਿਖਣਾ।

* ਮਾਰਚ ਤੋਂ ਮਈ ਤੱਕ ਕਰਵਾਏ ਗਏ ਸਿਲੇਬਸ ਨੂੰ ਚੰਗੀ ਤਰ੍ਹਾਂ ਯਾਦ ਕਰਨਾ,ਹੋ ਸਕੇ ਤਾਂ ਲਿਖਤੀ ਅਭਿਆਸ ਕਰਨਾ।

* ਇਹ ਸਾਰਾ ਕੰਮ ਪੰਜਾਬੀ ਵਾਲੀ ਕਾਪੀ ਤੇ ਹੀ ਕਰਨਾ ਹੈ।

ASSIGNMENT
SOLVE IT ON NEW NOTEBOOK

⑧ ਕਵੀ ਸ਼ਾਹ ਮੁਹੰਮਦ ਇੱਕ ਦੇਸ਼-ਭਗਤ ਸੀ। ਪੰਜਾਬ ਦੇ ਕਿਣਕੇ-ਕਿਣਕੇ ਨਾਲ ਉਸਦਾ.ਮੋਹ ਸੀ, ਉਹ ਪੰਜਾਬ ਜਿਹੜਾ ਹਿੰਦੂਆਂ ਤੇ ਮੁਸਲਮਾਨਾਂ ਦਾ ਸਾਂਝਾ ਪੰਜਾਬ ਸੀ। ਇਹੋ ਜਿਹੇ ਆਜ਼ਾਦੀ ਦੇ ਆਸ਼ਕ ਤੇ ਮਨੁੱਖਤਾ ਦੇ ਪੁਜਾਰੀ ਕਵੀ ਨੇ ਜਦੋਂ ਆਪਣੀ ਮਾਤ-ਭੂਮੀ ਉੱਤੇ ਫ਼ਰੰਗੀਆਂ ਦੀ ਨਾਪਾਕ ਨਜ਼ਰ ਪੈਂਦੀ ਦੇਖੀ ਤੇ ਫਿਰ ਦੇਸ਼ ਦੀ ਸੁਤੰਤਰਤਾ ਨੂੰ ਗੋਰਿਆਂ ਦੇ ਪੈਰਾਂ ਹੇਠ ਸਿੰਧੇ ਜਾਂਦਿਆਂ ਦੇਖਿਆ, ਤਾਂ ਉਸ ਦਾ ਕੋਮਲ ਤੇ ਦੇਸ਼-ਭਗਤ ਹਿਰਦਾ ਕੁਰਲਾ ਉੱਠਿਆ। ਉਸ ਨੇ ਆਪਣੀ ਕਲਮ ਦਾ ਮੂੰਹ ਮੋੜਿਆ ਤੇ ਦਿਲ ਦੇ ਖ਼ੂਨ ਨਾਲ ਉਸ ਨੇ ਅੰਗਰੇਜ਼ਾਂ ਤੇ ਸਿੱਖਾਂ ਦੀ ਉਸ ਜੰਗ ਦਾ ਹਾਲ ਲਿਖਿਆ ਜਿਸ ਵਿੱਚ ਵੀਰ ਪੰਜਾਬੀਆਂ ਨੂੰ ਫੁੱਟ ਦਾ ਸ਼ਿਕਾਰ ਹੋ ਆਪਣੀਆਂ ਕਿਸੇ ਅੱਗੇ ਨਾ ਝੁਕਣ ਵਾਲਾਂ ਧੌਣ ਅੰਗਰੇਜ਼ਾਂ ਸਾਹਮਣੇ ਝੁਕਾਉਂਣੀਆਂ ਪਈਆਂ। ਸ਼ਾਹ ਮੁਹੰਮਦ ਆਪਣੀਆਂ ਅੱਖਾਂ ਨਾਲ ਆਪਣੇ ਪਿਆਰੇ ਪੰਜਾਬ ਦੇ ਚੁਆਨਾਂ ਨੂੰ ਸ਼ਤਰੂ ਦੇ ਹੱਥੋਂ ਮਾਰ ਖਾਂਦਾ ਤੱਕਦਾ ਹੈ ਤਾਂ ਲਹੂ ਦੇ ਘੁੱਟ ਪੀ ਕੇ ਅੱਥਰੂਆਂ ਭਿੱਜੀ ਕਵਿਤਾ ਕਹਿ ਕੇ ਚੁੱਪ ਹੋ ਰਹਿੰਦਾ ਹੈ। ਉਹ ਕਵਿਤਾ ਜੋ ਕਦੇ ਮਰ ਨਹੀਂ ਸਕਦੀ ਜਿਸ ਵਿੱਚ ਪੰਜਾਬ ਦਾ ਦੁਖਦਾਈ ਇਤਿਹਾਸ ਅੰਕਿਤ ਹੈ।

ਉਪਰੋਕਤ ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਸਹੀ ਉੱਤਰ ਚੁਣੋ :

1. ਸ਼ਾਹ ਮੁਹੰਮਦ ਕੌਣ ਸੀ ?
   (ੳ) ਇੱਕ ਦੇਸ਼ ਭਗਤ ਕਵੀ ☐   (ਅ) ਸ਼ਹੀਦ ☐
   (ੲ) ਅੰਗਰੇਜ਼ ☐   (ਸ) ਸਿੱਖ ਫ਼ੌਜ ਦਾ ਸਿਪਾਹੀ ☐

2. ਸ਼ਾਹ ਮੁਹੰਮਦ ਨੇ ਆਪਣੀ ਕਵਿਤਾ ਵਿਚ ਕਿਹੜੀ ਜੰਗ ਦਾ ਹਾਲ ਲਿਖਿਆ ?
   (ੳ) ਅੰਗਰੇਜ਼ਾਂ ਤੇ ਮੁਸਲਮਾਨਾਂ ਦੀ ☐   (ਅ) ਅੰਗਰੇਜ਼ਾਂ ਤੇ ਇਸਾਈਆਂ ਦੀ ☐
   (ੲ) ਅੰਗਰੇਜ਼ਾਂ ਤੇ ਸਿੱਖਾਂ ਦੀ ☐   (ਸ) ਅੰਗਰੇਜ਼ਾਂ ਤੇ ਹਿੰਦੂਆਂ ਦੀ ☐

3. 'ਨਾਪਾਕ' ਦਾ ਅਰਥ ਲਿਖੋ।
   (ੳ) ਮੈਲੀ ☐   (ਅ) ਪਵਿੱਤਰ ☐
   (ੲ) ਸ਼ੁੱਧ ☐   (ਸ) ਦੇਸ਼ ਭਗਤੀ ☐

4. ਸਿੱਖਾਂ ਦੀ ਹਾਰ ਦੀ ਕੀ ਕਾਰਨ ਦੱਸਿਆ ਗਿਆ ਹੈ ?
   (ੳ) ਮਾੜੀ ਫ਼ੌਜ ☐   (ਅ) ਕਮਜ਼ੋਰ ਲੀਡਰ ☐
   (ੲ) ਫੁੱਟ ਦੀ ਸ਼ਿਕਾਰ ☐   (ਸ) ਇਨ੍ਹਾਂ ਚੋਂ ਕੋਈ ਵੀ ਨਹੀਂ ☐

5. 'ਲਹੂ ਦੇ ਘੁੱਟ ਪੀਣ' ਤੋਂ ਕੀ ਭਾਵ ਹੈ ?
   (ੳ) ਦੁਖੀ ਹੋਣਾ ☐   (ਅ) ਉਦਾਸ ਹੋਣਾ ☐
   (ੲ) ਸਬਰ ਕਰਨਾ ☐   (ਸ) ਰੋਣਾ-ਕੁਰਲਾਉਣਾ ☐

6. ਸ਼ਾਹ ਮੁਹੰਮਦ ਦੀ ਕਵਿਤਾ ਦਾ ਵਿਸ਼ਾ ਕੀ ਹੈ ?
   (ੳ) ਦੇਸ਼ ਭਗਤੀ ☐   (ਅ) ਬਹਾਦਰੀ ☐
   (ੲ) ਆਪਸੀ ਫੁੱਟ ☐   (ਸ) ਪੰਜਾਬ ਦਾ ਦੁਖਦਾਈ ਇਤਿਹਾਸ ☐

⑫ ਸਮੇਂ ਨੂੰ ਸੰਭਾਲ ਓਏ, ਸਮੇਂ ਨੂੰ ਸੰਭਾਲ ਓਏ
ਸਮੇਂ ਦੀ ਹੈ ਮੰਗ ਰੋਕੋ ਵੱਸੋਂ ਵਧਦੀ
ਧਰਤੀ ਸੁਹਾਵੀ ਨਹੀਂ ਰਹਿਣੀ ਚੱਜ ਦੀ
ਮਿਲਣੀ ਨਾ ਥਾਂ ਤੇਰੇ ਮੇਰੇ ਪੈਰ ਨੂੰ
ਤਰਸੇਂਗਾ ਬੰਦਿਆ ਤੂੰ ਏਥੇ ਸੈਰ ਨੂੰ
ਵਧਦੀ ਅਬਾਦੀ ਕਰੇ ਮੰਦਾ ਹਾਲ ਓਏ, ਸਮੇਂ ਨੂੰ ਸੰਭਾਲ ਓਏ, ਸਮੇਂ ਨੂੰ ਸੰਭਾਲ ਓਏ

ਪ੍ਰਸ਼ਨ 1. ਸਮੇਂ ਦੀ ਕਿਹੜੀ ਮੰਗ ਹੈ ?
ਪ੍ਰਸ਼ਨ 2. ਜੇ ਅਬਾਦੀ 'ਚ ਵਾਧਾ ਰੋਕਿਆ ਨਾ ਗਿਆ ਤਾਂ ਕੀ ਹੋ ਸਕਦਾ ਹੈ ?
ਪ੍ਰਸ਼ਨ 3. ਵੱਸੋਂ ਅਤੇ 'ਸੁਹਾਣੀ' ਸ਼ਬਦ ਦੇ ਅਰਥ ਲਿਖੋ।

1 ਹੇਠ ਲਿਖੇ ਸ਼ਬਦਾਂ ਦੇ ਸਹੀ ਬਹੁ-ਅਰਥਕ ਸ਼ਬਦਾਂ ਸਾਹਮਣੇ (✓) ਦਾ ਨਿਸ਼ਾਨ ਲਾਓ :

1. ਵਾਰ
   - (ੳ) ਦਿਨ, ਹਮਲਾ
   - (ਅ) ਦੇਣਾ, ਭਰਨਾ
   - (ੲ) ਨਿੱਕਾ, ਵੱਡਾ
   - (ਸ) ਬਿੰਦੀ, ਰੋਟੀ

2. ਡੋਲ
   - (ੳ) ਭਾਂਡਾ, ਚੋਲਕ
   - (ਅ) ਭਾਂਡਾ, ਘਬਰਾਉਣਾ, ਦਰਦ ਹੋਣੀ
   - (ੲ) ਨਹਿਰ, ਖੂਹ
   - (ਸ) ਭਾਂਡਾ, ਹਿੰਮਤ

3. ਸਿੱਕਾ
   - (ੳ) ਵਕਤ, ਸਮਾਂ
   - (ਅ) ਘੜੀ, ਡੱਸਣਾ ਤੰਗ ਕਰਨਾ
   - (ੲ) ਧਾਤ, ਰੋਅਬ
   - (ਸ) ਇਨ੍ਹਾਂ 'ਚੋਂ ਕੋਈ ਵੀ ਨਹੀਂ

4. ਸੰਗ
   - (ੳ) ਰੱਸੀ, ਡੋਲ
   - (ਅ) ਉੱਤਰਨਾ, ਧਾਗਾ
   - (ੲ) ਕੱਪੜਾ, ਗਹਿਣਾ
   - (ਸ) ਸਾਥ, ਟੋਲਾ

5. ਦਾਰੂ
   - (ੳ) ਬਾਰੂਦ, ਸ਼ਰਾਬ
   - (ਅ) ਕੱਟਣਾ, ਇਲਾਜ
   - (ੲ) ਨੌਕਰ, ਮਾਲਕ
   - (ਸ) ਲਿਖਣ ਵਾਲਾ, ਪੈਨਸਿਲ

6. ਘੜੀ
   - (ੳ) ਜਾਗਣਾ, ਜਗਰਾਤਾ
   - (ਅ) ਸੌਣਾ, ਹੋਸ਼ ਵਿੱਚ ਆਉਣਾ
   - (ੲ) ਬੇਫ਼ਿਕਰ, ਲਾਪਰਵਾਹ
   - (ਸ) ਵਕਤ, ਮੁੜ-ਮੁੜ

✓ ਬਹੁ-ਵਿਕਲਪੀ ਪ੍ਰਸ਼ਨ

1 ਹੇਠ ਲਿਖੇ ਵਿਕਲਪਾਂ ਵਿੱਚੋਂ ਸਹੀ ਸਮਾਸੀ ਸ਼ਬਦ-ਸਮੂਹ ਸਾਹਮਣੇ ✓ ਦਾ ਨਿਸ਼ਾਨ ਲਾਓ :

(1) (ੳ) ਅੰਨ-ਰੋਟੀ (ਅ) ਅੰਨ-ਪਾਣੀ (ੲ) ਅੰਨ-ਦੇਵੀ (ਸ) ਅੰਨ-ਸਬਜ਼ੀ

(2) (ੳ) ਡਾਕ-ਚਿੱਠੀ (ਅ) ਡਾਕ-ਪੋਸਟ (ੲ) ਡਾਕ-ਖ਼ਾਨਾ (ਸ) ਡਾਕ-ਵੰਡਾਈ

(3) (ੳ) ਕੰਮ-ਧੰਦਾ (ਅ) ਕੰਮ-ਕਮਾਈ (ੲ) ਕੰਮ-ਵਿਹਾਰ (ਸ) ਕੰਮ-ਕਿਰਿਆ

(4) (ੳ) ਹਾਲ-ਸਿਹਤ (ਅ) ਹਾਲ-ਤੋਰ (ੲ) ਹਾਲ-ਦੌੜ (ਸ) ਹਾਲ-ਚਾਲ

(5) (ੳ) ਹੱਕ-ਹਰਾਮ (ਅ) ਹੱਕ-ਹਲਾਲ (ੲ) ਹੱਕ-ਨਹੱਕ (ਸ) ਹੱਕ-ਕਮਾਈ

(6) (ੳ) ਬੋਲ-ਰੋਲ (ਅ) ਬੋਲ-ਕਬੋਲ (ੲ) ਬੋਲ-ਕਹਿ (ਸ) ਬੋਲ-ਬਲਾਉਣਾ

(7) (ੳ) ਕੋੜਾ-ਜ਼ਹਿਰ (ਅ) ਕੌੜਾ-ਫਿੱਕਾ (ੲ) ਛੋਟਾ-ਨਿੱਕਾ (ਸ) ਦੂਰ-ਦੂਰੀ

(8) (ੳ) ਸੁਅਲ-ਸੁਆਲ (ਅ) ਉਟ-ਪਟਾਂਗ (ੲ) ਜੇਠ-ਮਹੀਨਾ (ਸ) ਮਾਤਾ-ਭੈਣ

(9) (ੳ) ਰੋਟੀ-ਰਾਟੀ (ਅ) ਰੋਟੀ-ਸਬਜ਼ੀ (ੲ) ਰੋਟੀ ਮਠਿਆਈ (ਸ) ਰੋਟੀ-ਚੌਲ

(10) (ੳ) ਦਿਨ-ਰਾਤ (ਅ) ਖਾਣਾ-ਖੁਆਉਣਾ (ੲ) ਟੋਪੀ-ਟੋਪੀ (ਸ) ਚਮਚਾ-ਗਲਾਸ

(11) (ੳ) ਮੂੰਹ-ਅੱਖਾਂ (ਅ) ਮੂੰਹ-ਮੱਥਾ (ੲ) ਰਾਮ-ਰਾਜਾ (ਸ) ਹੱਡੀ-ਬੀਤੀ

(12) (ੳ) ਭੇੜਾਂ-ਚਾਲ (ਅ) ਭੇੜ-ਤੋਰ (ੲ) ਭੇੜ-ਚਾਲ (ਸ) ਭੇੜ-ਭੇੜੂ

(13) (ੳ) ਮੈਦਾਨੀ-ਜੰਗ (ਅ) ਮੈਦਾਨੇ-ਜੰਗ (ੲ) ਮੈਦਾਨੀ-ਭੂਮੀ (ਸ) ਜੰਗ-ਮੈਦਾਨ

ਇੱਕ ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨ-ਉੱਤਰ:-

1. 'ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ' ਸ਼ਬਦ ਵਿੱਚ ਇਸਤਰੀ ਤੋਂ ਬਿਨਾਂ ਕਿਸ ਦੀ ਹੋਂਦ ਸਵੀਕਾਰ ਕੀਤੀ ਗਈ ਹੈ?

2. ਰਾਜੇ ਕਿਸ ਤੋਂ ਜਨਮ ਲੈਂਦੇ ਹਨ?

3. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਅਨੁਸਾਰ ਭੰਡੈ ਬਾਹਰਾ ਕੌਣ ਹੈ?

4. ਭੰਡ ਸ਼ਬਦ ਦਾ ਕੀ ਅਰਥ ਹੈ?

5. 'ਕੁਲਫੀ' ਕਹਾਣੀ ਦੀ ਘਟਨਾ ਕਿਸ ਮਹੀਨੇ ਵਿੱਚ ਵਾਪਰਦੀ ਹੈ?

6. ਲੇਖਕ ਨੇ ਆਪਣੇ ਕਿਸੇ ਸਾਥੀ ਤੋਂ ਕਿੰਨੇ ਰੁਪਏ ਲਏ ?

7. ਕਾਕਾ ਅਸਮਾਨ ਦੇ ਤਾਰਿਆਂ ਨੂੰ ਕੀ ਸਮਝਦਾ ਸੀ?

8. ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦਾ ਸਾਥੀ ਕੌਣ ਸੀ?

9. ਹਜ਼ਰਤ ਮੁਹੰਮਦ ਸਾਹਿਬ ਦੀ ਪਤਨੀ ਦਾ ਕੀ ਨਾਮ ਸੀ?

10. ਸਮਾਜ ਤੇ ਦੇਸ਼ ਦਾ ਪਿਆਰ ਕਿੱਥੋਂ ਪੈਦਾ ਹੁੰਦਾ ਹੈ?

ਦੋ ਅੰਕਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ-ਉੱਤਰ:-

1. ਕਰਲਾਈਲ ਦਾ ਆਪਣੀ ਪਤਨੀ ਪ੍ਰਤੀ ਅਜਿਹਾ ਵਤੀਰਾ ਕਿਉਂ ਸੀ?

2. ਘਰ ਦਾ ਪਿਆਰ ਲੇਖ ਲਿਖਣ ਦਾ ਉਦੇਸ਼ ਕੀ ਹੈ?

3. ਕਾਕਾ ਸੁਪਨੇ ਵਿੱਚ ਕਿਉਂ ਬੁੜ ਬੁੜਾ ਰਿਹਾ ਸੀ ?

4. ਲੇਖਕ ਮਾਲਕ ਤੋਂ ਤਨਖਾਹ ਵਧਾਉਣ ਦੀ ਮੰਗ ਤੋਂ ਕਿਉਂ ਸੰਕੋਚ ਕਰ ਰਿਹਾ ਸੀ ?

5. ਤੁਸੀਂ ਟਕਾ ਦੇ ਦਿਓ ਮੈਨੂੰ ਨਹੀਂ ਲੱਗਦੀ ਲੁੱਗਦੀ ਖੰਘ। ਕਾਕੇ ਦੇ ਇਨ੍ਹਾਂ ਸ਼ਬਦਾਂ ਤੋਂ ਕੀ ਭਾਵ ਸੀ ?

ਚਾਰ ਅੰਕਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ-ਉੱਤਰ:-

1. ਸੋ ਕਿਉ ਮੰਦਾ ਆਖੀਐ ਸ਼ਬਦ ਦਾ ਸਾਰ ਲਿਖੋ!

2. ਇਸਤਰੀ ਦਾ ਅਪਮਾਨ ਕਿਉਂ ਨਹੀਂ ਕਰਨਾ ਚਾਹੀਦਾ?

3. ਘਰ ਦੇ ਪਿਆਰ ਤੋਂ ਹੀ ਸਮਾਜ ਅਤੇ ਦੇਸ਼ ਦਾ ਪਿਆਰ ਪੈਦਾ ਹੁੰਦਾ ਹੈ। ਦਲੀਲਾਂ ਦੇ ਕੇ ਸਿੱਧ ਕਰੋ ?

4. ਮਨੁੱਖ ਦੀਆਂ ਧਾਰਮਿਕ ਰੁਚੀਆਂ ਨੂੰ ਬਲਵਾਨ ਬਣਾਉਣ ਵਿੱਚ ਘਰ ਦੇ ਪਿਆਰ ਦਾ ਕੀ ਮਹੱਤਵ ਹੈ?

5. ਮਹਾਨ ਵਿਅਕਤੀਆਂ ਦੇ ਚਰਿੱਤਰ ਵਿੱਚ ਘਰ ਦੇ ਪਿਆਰ ਦਾ ਕੀ ਮਹੱਤਵ ਹੁੰਦਾ ਹੈ?

6. ਘਰ ਮਨੁੱਖ ਦੇ ਨਿੱਜੀ ਵਲਵਲਿਆਂ ਤੇ ਸ਼ਖਸੀ ਰਹਿਣੀ ਦਾ ਕੇਂਦਰ ਹੁੰਦਾ ਹੈ! ਵਿਚਾਰ ਕਰੋ!

7. ਘਰ ਦਾ ਪਿਆਰ ਲੇਖ ਅਨੁਸਾਰ ਘਰ ਤੋਂ ਕੀ ਭਾਵ ਹੈ?

8. ਲੇਖਕ ਨੇ ਆਪਣੇ ਪਿੰਡ ਦੀ ਝਾਕੀ ਦਾ ਦ੍ਰਿਸ਼ ਕਿਹੋ ਜਿਹਾ ਚਿਤਰਿਆ ਹੈ?

9. ਘਰ ਘਟ ਰਹੇ ਹਨ ਅਤੇ ਹੋਟਲ ਵਧ ਰਹੇ ਹਨ! ਲੇਖਕ ਅਨੁਸਾਰ ਇਸ ਦਾ ਸਦਾਚਾਰੀ ਜੀਵਨ ਉੱਤੇ ਕੀ ਪ੍ਰਭਾਵ ਪੈ ਰਿਹਾ ਹੈ?

MATHEMATICS:

- Frame 30 M.C .Q of Ch -1,2,3,4,5 (5 from each chapter)
- Solve given assignment of Ch -1,2,3,4

Assignment 1:

Ques.1 M.C.Q

1 The H.C.F and L.C.M of 12 and 15 is

    a) 3   b) 5   c) 12.   d) 15

2.   The L.C.M of 8 and 12 is

    a) 24   b) 36.   c) 48.   d) 60

3 Which of the following is an irrational number?

    a) $\sqrt{4}$ b) $\sqrt{9}$ c) $\sqrt{2}$ d) $\sqrt{16}$

4 The decimal expansion of a rational number is:

    a) Non-terminating and non-recurring

    b) Terminating or non-terminating and recurring

    c) Non-terminating and recurring   d) Terminating

Ques 2 Short question answers

1   Find the H .C.F and L.C.M of 24 and 30 Using Euclidean algorithm.

2   Find theH.C.F and l c m of 144 and 180 and verify that H.C.F× L.C.M= product of numbers.

3   Prove that $2\sqrt{2}$ is an irrational number.

4   Show that $3\sqrt{2} + 5$ is an irrational number?

5   Prove that $\sqrt{3}$ is an irrational number.

6   Show that $5 - \sqrt{3}$ is an irrational number.

7   Prove that the product of a non-zero rational number and an irrational number is irrational.

Assignment 2:
Topic: Polynomials

☐ Learning Objectives:

    By the end of this worksheet, students will be able to:

- Understand the types of polynomials based on degree and number of terms.
- Identify the zeroes of a polynomial graphically.
- Understand the relationship between zeroes and coefficients.
- Perform division of polynomials.
- Solve real-life problems using polynomials.

Section A: Basic Concepts (Fill in the blanks / One-word answers)

1.   A polynomial of degree 2 is called a _____.

2.   The number of zeroes of a linear polynomial is _____.

3.   A polynomial in one variable of the form ax3+bx2+cx+d,$ax^3 + bx^2 + cx + d$, ax3+bx2+cx+d   is called a _____.

4.   The degree of the zero polynomial is _____.

5.   The graph of a quadratic polynomial is a _____.

Section B: Short Answer Questions

6. Find the zeroes of the polynomial $f(x) = x^2 - 7x + 12$ and verify the relationship between zeroes and coefficients.

7. If α and β are the zeroes of the quadratic polynomial $p(x) = 3x^2 - 5x + 2$, find: a) $\alpha + \beta$ b) $\alpha\beta$

8. Write a quadratic polynomial whose zeroes are 4 and -3.

Section 3: Application-Based / Higher-Order Thinking Questions (HOTs)

9. The polynomial represents the product of two consecutive positive integers: $p(x) = x(x + 1)$
   a) Expand the polynomial.
   b) What type of polynomial is this?
   c) If the product is 56, find the values of x.

10. A rectangle has a length of $(2x+3)$ and breadth of $(x-2)$.
    a) Form a polynomial that represents the area of the rectangle.

11. If α and β are the zeroes of the quadratic polynomial $f(x) = x^2 - 5x + 4$, find the value of $1/\alpha + 1/\beta - 2\alpha\beta$.

12. Find a quadratic polynomial whose zeroes are $2 + \sqrt{3}$ and $2 - \sqrt{3}$.

Assignment 3:

1. The pair of linear equations $x + 2y = 5$ and $3x + 6y = 15$ has:
   a) Unique solution   b) No solution
   c) Infinitely many solutions   d) None of these

2. If the lines $2x + 3y = 5$ and $4x + ky = 10$ are parallel, then the value of k is:
   a) 6   b) 5   c) 4   d) 3

3. The solution of the pair of linear equations $x + y = 4$ and $x - y = 2$ is:
   a) x = 3, y = 1   b) x = 1, y = 3   c) x = 2, y = 2   d) x = 4, y = 0

4. Solve the pair of linear equations by substitution method
   $x + 2y = 4$
   $3x - 2y = 5$

5. Find the value of k for which the pair of linear equations has infinitely many solutions:
   $2x + 3y = 7$
   $4x + ky = 14$

6. A man travels 300 km by train and car. He takes 4 hours if he travels 60 km by train and the rest by car. If he travels 100 km by train and the rest by car, he takes 10 minutes more. Find the speed of the train and the car.

7. Solve the pair of linear equations graphically:
   $2x + 3y = 12$
   $x - 2y = -3$

8. Solve the pair of linear equations: (By elimination method)
   $2x + y = 5$
   $x - 2y = -2$

9. Find the value of k for which the pair of linear equations has a unique solution:
   x + 2y = 3
   3x + ky = 7
   Check whether the pair of linear equations x + 2y = 5 and 2x + 4y = 10 is consistent or inconsistent.
10. Find the value of k for which the pair of linear equations x + y = 3 and 2x + ky = 5 has a unique solution.
11. Check whether the pair of linear equations 2x + 3y = 7 and 4x + 6y = 14 has a unique solution, no solution, or infinitely many solutions.
12. Find the value of k for which the pair of linear equations x - 2y = 3 and 3x + ky = 1 has no solution.

Assignment 4:

1. Let p be a prime number. The quadratic equation having its roots as factors of p is
   (a) $x^2 - px + p = 0$ (b) $x^2 - (p + 1)x + p = 0$
   (c) $x^2 + (p + 1)x + p = 0$ (d) $x^2 - px + p + 1 = 0$

2. Values of k for which the quadratic equation
   $2x^2 - kx + k = 0$ has equal roots, is:
   (a) 0 only   (b) 4   (c) 8 only   (d) 0, 8

3. The value(s) of k for which the quadratic equation $2x^2 + kx + 2 = 0$ has equal roots, is
   (a) 4   (b) ± 4 (c) -4 (d) 0

4. Which of the following is not a quadratic equation?
   (a) $2(x - 1)^2 = 4x^2 - 2x + 1$ (b) $2x - x^2 = x^2 + 5$
   (c) $(\sqrt{2} x + \sqrt{3})^2 + x^2 = 3x^2 - 5x$ (d) $(x^2 + 2x)^2 = x^4 + 3 + 4x^3$

5. If α, β are roots of the equation $x^2 + 5x + 5 = 0$, then equation whose roots are $\alpha + 1$ and $\beta + 1$ is
   (a) $x^2 + 5x - 5 = 0$ (b) $x^2 + 3x + 5 = 0$
   (c) $x^2 + 3x + 1 = 0$ (d) none of these

6. $(x^2 + 1)^2 - x^2 = 0$ has
   (a) four real roots   (b) two real roots   (c) no real roots   (d) one real root

7. If the difference of the roots of the equation $x^2 - bx + c = 0$ be 1, then
   (a) $b^2 - 4c + 1 = 0$ (b) $b^2 + 4c = 0$ (c) $b^2 - 4c - 1 = 0$ (d) $b^2 - 4c = 0$

8. If the equation
   $x^2 - (2 + m)x + (-m^2 - 4m - 4) = 0$ has coincident roots, then
   (a) m = 0, m = 1   (b) m = 2, m = 2   (c) m = –2, m = –2   (d) m = 6, m = 1

   In the following questions 9 and 10, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:
   (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
   (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
   (c) Assertion (A) is true but reason (R) is false.
   (d) Assertion (A) is false but reason (R) is true.

9. Assertion (A) : The equation
   $x^2 + 3x + 1 = (x - 2)^2$ is a quadratic equation.
   Reason (R) : Any equation of the form $ax^2 + bx + c = 0$ where $a \neq 0$, is called a quadratic equation.

10. Assertion (A) : The value of k = 2, if one root of the quadratic equation
     $6x^2 - x - k = 0$ is 2/3.
    Reason (R) : The quadratic equation $ax^2 + bx + c = 0$, $a \neq 0$ has two roots.
11.   Solve the quadratic equation: $x^2 - 2ax + (a^2 - b^2) = 0$ for x.
12.   Solve the quadratic equation: $x^2 + 2\sqrt{2}x - 6 = 0$ for x.
13.   Find the value of 'k' for which the quadratic equation
       $2kx^2 - 40x + 25 = 0$ has real and equal roots.
14.   If the sum of the roots of the quadratic equation $ky^2 - 11y + (k - 23) = 0$ is 13/21 more than
       the   product of the roots, then find the value of k.
15.   Find the value of 'p' for which the quadratic equation
       $p(x - 4)(x - 2) + (x - 1)^2 = 0$ has real and equal roots.
16.   The sum of two numbers is 34. If 3 is subtracted from one number and 2 is added to another,
       the   product of these two numbers becomes 260. Find the numbers.
17.   If α and β are roots of the quadratic equation
       $x^2 - 7x + 10 = 0$, find the quadratic equation whose   roots are $α^2$ and $β^2$

SOCIAL SCIENCE:

o Prepare a project on the Topic- Consumer Awareness. Following particulars must be covered in Project
  -Index, Acknowledgement, Introduction, Consumer exploitation, Consumer duties, Consumer Rights, Enactment of COPRA 1986, Consumer Courts, Different mode of consumer education and awareness.
o Activity:- Embracing diversity, Breaking Barriers
o Research and write a short essay on topics
  1)The importance of gender equality in modern society.
  2)The impact of casteism on individuals and society .
  3) The role of religion in promoting peace and harmony.
o Make a poster showing causes of deforestation and measures for forest conservation
o Do revision of completed chapters
o Do given assignment on fair notebook

ASSIGNEMNT:

1.   Who among the following was the founder of 'Young Italy' underground secret society in Berne?
      A. Giuseppe Garibaldi   B. Giuseppe Mazzini
      C. Count Cavour   D. Otto von Bismark
2.   _____were inhabitants of Balkan.
      A. Welsh   B. Irish   C. Scot   D. Slavs
3.   Which one of the following is the material good?
      A. Equal opportunities   B. High level of income and better quality of living
      C. Freedom   D. Security and respect
4.   "When France sneezes the rest of Europe catches cold" who said these words ?
      A.Metternich   B. Lenin   C. Napoleon   D.William 1

5. Sports there are four families in your locality the average per capita income of whom is ☐ 10000 if the income of three families is ☐ 6000, ☐ 8000 and ☐ 14000 respectively, what would be the income of the fourth family?
   A. ☐ 5000   B. ☐ 10000   C. ☐ 12000   D. ☐ 15000

6. Identify "Horizontal power sharing" arrangements among the following in modern democracy
   A. Different organs of the government   B. Governments at different levels
   C. Different social groups   D. Different parties pressure groups and movements

7. _____is a non renewable source.
   A. Coal   B. Water   C. Solar energy   D. Forest

8. All those things which are composed of non-living things are called_____.
   A. Abiotic resources   B. Biotic resources
   C. Natural resources   D. Potential resources

9. "There is enough for everybody's need and not for anybody's greed." Who said these words?
   A. Jawahar lal Nehru   B. Motilal Nehru
   C. Subhash Chandra Bose   D. Mahatma Gandhi

10. Which one of the following ethnic communities is in majority in Sri Lanka?
    A. Sri Lankan Tamils   B. Indian Tamils
    C. Muslims   D. Singhalis

11. What was the main factor that led to the rise of nationalism in Europe in the 19th century?*
    A) Economic prosperity   B) Cultural exchange
    C) Influence of the French Revolution   D) Imperialism

12. Which movement emphasized emotions, folklore, and national identity, contributing to the rise of nationalism in Europe?*
    A) Romanticism   B) Realism
    C) Enlightenment   D) Industrialization

13. Who played a crucial role in the unification of Germany?
    A) Otto von Bismarck   B) Kaiser Wilhelm
    C) Adolf Hitler   D) Helmut Kohl

14. The Balkans were a region of conflict in Europe due to:*
    A) The rise of nationalism and competing territorial claims
    B) The spread of communism
    C) The decline of feudalism
    D) The growth of international trade

15. Which of the following is a characteristic of a developing country?*
    A) High per capita income   B) Low poverty rates
    C) Limited access to education and healthcare   D) Advanced technological infrastructure

16) Which of the following is a challenge faced by many developing countries*
    A) High levels of foreign investment
    B) Limited access to international markets
    C) Dependence on primary commodities
    D) High levels of economic diversification

17. What is the Human Development Index (HDI) used to measure?*
    A) Economic growth rate
    B) Poverty rates
   C) Average income levels
    D) Well-being and quality of life

18). What is the main purpose of power sharing in a democracy?*
   A) To concentrate power in one institution   B) To reduce conflict among different groups
   C) To ensure that one group dominates others   D) To eliminate the need for opposition parties

19 What is the term for a system of government where power is divided between a central authority and constituent units?*
   A) Federalism   B) Unitary system
   C) Confederal system   D) Authoritarian system

20. Power sharing is desirable because it:
   A) Reduces the role of citizens in decision-making B) Increases the power of the ruling party
   C) Helps to reduce conflict and promote stability   D) Leads to authoritarianism

21. Write a note on Frankfurt Parliament.
22. State any two physical features which determine the use of land in India.
23.. Name two States having black soil and the crop which is mainly grown in it.
24. What is meant by horizontal distribution of power ? Explain any two merits of this form of power sharing.
25. What do the ideas of 'la Patrie' and 'le Citoyen' emphasize?
26. Describe any three economic hardships faced by Europe in the 1830s?
27. Why did nationalist tensions emerge in the Balkans?
28. Who was Marine and Germania? What was the importance of the way in which they were portrayed?
29. What is the main criterion used by the World Bank in classifying different countries? What are the limitations of this criterion, if any?
30. How are alluvial soils formed? How is Bangar different from khadar?
31. Give any three prudential reasons for power sharing.
32. What steps did the French revolutionaries take to create a sense of collective identity among the French people?
33. What is power sharing? Which power sharing arrangements are in form in modern democracies?
34. Explain Unification of Italy .
35. Explain Unification of Britain.

SCIENCE:

A.   Do following practicals on JBD practical file
   Chemistry:-   1.Performing and observing the reactions and classify them into different types.
   Physics-:   1.study the dependence of potential difference across a resistor on the current passing through it and determine the resistance. Plot a graph between V Nd I.
   2. Determine the equivalent resistance when resistors are connected in series and parallel.
   Biology-:   1)   preparing a temporary mount of a leaf peel to show stomata.
   2.)   Experimentally show that carbon dioxide is given out during respiration.
B.   Do given assignments of following chapters on separate notebook
   Ch1 Chemical Reaction and equation
   Ch 11 Electricity
   Ch 6 Life Process

ASSIGNMENT: PHYSICS
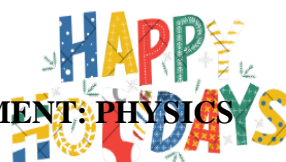
M.R. Citi Public School
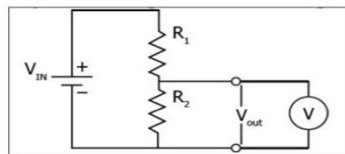
Answer these MCQ

Q1) The image shows a circuit diagram.
   What is being measured using the voltmeter?

   (a) Current in the circuit   (b) Voltage in the circuit
   (c) The voltage across the resistor   (d) The resistance offered by the resistor

Q2) The least resistance obtained by using 2 Ω, 4 Ω, 1 Ω and 100 Ω is
   (a) < 100 Ω   (b) < 4 Ω   (c) < 1 Ω   (d) > 2 Ω

Q3) Work of 14 J is done to move 2 C charge between two points on a conducting wire.
What is the potential difference between the two points?
   a) 28 V   b) 14 V   c) 7 V   d) 3.5 V

Q4) A fuse wire repeatedly gets burnt when used with a good heater. It is advised to use a fuse wire of
   (a) More length   (b) Less radius   (c) Less length   (d) More radius

Q5) A circuit has a charge of 2C moving through it in 3 s. Which electrical component in the circuit, if present, will show the current?
   (a) Voltmeter will show a current of 6 A   (b) Ammeter will show a current of 0.7 A
   (c) Rheostat will show a current of 0.7 A   (d) Resistor will show a current of 0.35 A

Q6) Electrical resistivity of a given metallic wire depends upon
   (a) Its length   (b) Its thickness   (c) Its shape   (d) Nature of the material

Q7) Two devices are connected between two points, say A and B, in parallel. The physical quantity that will remain the same between the two points is
   a) Current   b) Voltage   c) Resistance   d) None of these

Q8) Unit of electric power may also be expressed as
   (a) Volt-ampere   (b) Kilowatt-hour   (c) Watt second   (d) Joule second

Q9) What is the relationship between resistance and current?
   (a) They are directly related to each other   (b) They are inversely related to each other
   (c) The resistance has a greater magnitude than the current
   (d) The current has a greater magnitude than the resistance
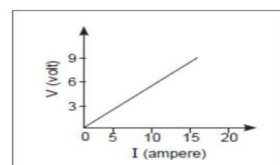
Q10) The resistance whose V – I graph is given below is__
   a) 5/3 Ω   b) 3/5 Ω   c) 5/2 Ω   d) 2/5 Ω

Q11) A current of 1 A is drawn by a filament of an electric bulb. The number of electrons passing through a cross-section of the filament in 16 seconds would be roughly
   (a) 10^{20} (b) 10^{16} (c) 10^{18} (d) none of these

Q12) How much more heat is produced if the current is doubled?
   (a) Twice the original amount   (b) Thrice the original amount
   (c) Four times the original amount   (d) Five times the original amount

Q13) Which of the following represents voltage?
   (a) Work done / Current × Time   (b) Work done × Charge
   (c) Work done × Time / Current   (d) Work done × Charge × Time

Q14) A cooler of 1500 W, 200 volts and a fan of 500 W, 200 volts are to be used from a household supply. The rating of the fuse to be used is
   a) 2.5 A   b) 5.0 A   c) 7.5 A   d) 10A

Q15) Which combination of a 2 Ω resistor and 4 Ω resistor offers the least resistance to current in the circuit?
  (a) Series combination, which results in a net resistance of 2 Ω
  (b) Parallel combination, which results in a net resistance of 2 Ω
  (c) Series combination, which results in a net resistance of 1.5 Ω
  (d) Parallel combination, which results in a net resistance of 0.5 Ω

Q16) In an electrical circuit, two resistors of 2 Ω and 4 Ω, respectively, are connected in series to a 6 V battery. The heat dissipated by the 4 Ω resistor in 5 s will be
  (a) 5 J   (b) 10 J   (c) 20 J   (d) 30 J

Q17) In order to reduce electricity consumption at home, what kind of appliance should one purchase?
  (a) One which draws low power   (b) One which produces less heat
  (c) One which operates at a higher voltage   (d) One which draws a high amount of current

Q18) If n resistors each of resistance R are connected in parallel combination, then their equivalent resistance is
  (a)R/n2   (b) n^2/R (c) n/R   (d) R/n

Q19) Which one among a bar of an alloy of mass 2 kg and a 3 kg iron bar of the same dimension has greater resistivity?
  (a) Iron bar because it has a higher mass   (b) Alloy bar because it has a lower mass
  (c) Iron bar because it has the same types of atoms
  (d) Alloy bar because it has different types of atoms

Q20) Two resistors connected in series give an equivalent resistance of 10 Ω. When connected in parallel, give 2.4 Ω. Then the individual resistance is
  (a) each of 5 Ω   (b) 6 Ω and 4 Ω   (c) 7 Ω and 4 Ω   (d) 8 Ω and 2 Ω

Q21) A battery of 10 volt carries 20,000 C of charge through a resistance of 20 Ω. The work done in 10 seconds is
  (a) 2×10^3 joule   (b) 2×10^5 joule   (c) 2×10^4 joule   (d) 2×10^2 joule

Q22) Two bulbs are rated 40W, 220W and 60W, 220W. The ratio of their resistances will be
  (a) 4:3   (b) 3:4   (c) 2:3

Q23) The image shows a combination of 4 resistors.
  What is the net resistance between the two points in the circuit?
  (a) 0.5 Ω   (b) 1.0 Ω   (c) 1.5 Ω   (d) 2.0 Ω
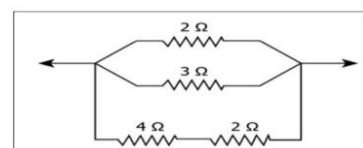
Q24) If R1 and R2 be the resistance of the filament of 40 W and 60 W, respectively, operating 220 V, then
  (a) R1 < R2   (b) R2 < R1   (c) R1 = R2   (d) R1 ≥ R2

Q25) An electric toaster has a power rating of 200 W. It operates for 1 hour in the morning and 1 hour in the evening. How much does it cost to operate the toaster for 10 days at Rs. 5 per kW h?
  (a) Rs. 20   (b) Rs. 400   (c) Rs. 5000   (d) Rs. 10000

Answer these two marks questions Q26) Define one ampere.
Q27) Draw the symbols of commonly used components in electric circuit diagrams for
  (i)   An electric cell   (ii)   Open plug key
  (iii)   Wires crossing without connection   (iv) Variable resistor
 (v)   Battery   (vi) Electric bulb
  (vii) Resistance

Q29) Write S.I. unit of Electric current, Charge, potential, Resistance, Resistivity, Power and energy.

Q30) Student plots V-I graphs for three samples of nichrome wire with resistances R_1, R_2 and R_3. Choose from the following the statements that holds true for this graph. (2020)

(a) $R_1 = R_2 = R_3$
(b) $R_1 > R_2 > R_3$
(c) $R_3 > R_2 > R_1$
(d) $R_2 > R_1 > R_3$

Q31 State and explain Ohm's law. Define resistance and give its SI unit. What is meant by 1 ohm resistance? Draw V-I graph for an ohmic conductor and list its two important features.

Q32 Write the factors on which resistance of conductor depends.
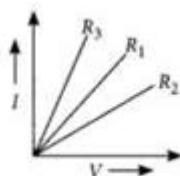
Solve these numericals

Q33 A wire of length 3 m and area of cross-section 1.7×10 m has a resistance 3×10 ohm.Calculate Resistivity of wire Q34We have four resistors A ,B ,C and D of resistance 4 ohm,8 ohm ,12 ohm and 24 ohm respectively?

(i) Lowest resistance which can be obtained by combining these four resistors
(ii) Highest resistance which can be obtained by combining these four resistors

Q35 An electric bulb draws a current of .8 A and works on 250 V on the average 8 hours a day.
a. Find the power consumed by the bulb
b. If the electric distribution company changes Rs 5 for 6 KWH, what is the monthly bill for 60 days Q36 Give the formula for each

(i) Ohm's Law
(ii) Resistance in terms of Length,Area,resistivity
(iii) Current in terms of Resistance and Voltage
(iv) Equivalent Resistance for Resistors in Series
(v) Equivalent Resistance for Resistors in Parallel
(vi) Power produced in the resistance

Q37 An electric motor takes 5 A from a 220 V line. Determine the power of the motor and the energy consumed in 2 h.

Q38 Solve NCERT exercise numericals.

ASSIGNMENT : CHEMISTRY

Very Short Answer Type Questions [1 Mark]

Q.1. Complete the reaction :

$Fe2O3 + Al \rightarrow \square$

Q.2. What happens chemically when quicklime is added to water?

Q.3. Name the products formed when zinc granules are treated with dilute sulphuric acid.

Q.4. Which one is a chemical change :- fermentation of fruit juice or diluting fruit juice?

Q.5. What change in colour is observed when white silver chloride is left exposed to sunlight? What type of chemical reaction is this?

Q.6. Balance the given chemical equation:
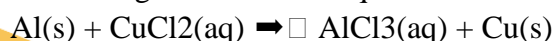
$Al(s) + CuCl2(aq) \rightarrow \square AlCl3(aq) + Cu(s)$

Q.7. Balance the chemical equation:
$$NaOH + H_2SO_4 \rightarrow Na_2SO_4 + H_2O$$
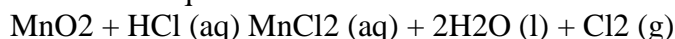Q.8. Balance the chemical equation :
$$MnO_2 + HCl\ (aq) \rightarrow MnCl_2\ (aq) + 2H_2O\ (l) + Cl_2\ (g)$$
Q.9. What do you observe when a matchstick flame is brought near a tube containing hydrogen gas?

Short Answer Type Questions – I [2 Marks]

Q.1. Distinguish between an exothermic and an endothermic reaction. Amongst the following reactions, identify the exothermic reaction and the endothermic reaction.
   (i) Heating coal in air to form carbon dioxide.
   (ii) Heating limestone in a lime kiln to form quicklime.

Q.2. When the powder of a common metal is heated in an open china dish, its colour turns black. However, when hydrogen is passed over the hot black substances formed, it regains its original colour. Based on the above information answer the following questions:
   (i) What type of chemical reaction takes place in each of the two given steps?
   (ii) Name the metal initially taken in the powder form. Write balanced chemical equations for both reactions.

Q.3. Write balanced equations for the reaction of :
   (i) Iron with steam   (ii) Calcium with water

Q.4. Crystals of copper sulphate are heated in a test tube for some time. What is the colour of copper sulphate crystals
   (i) before heating, and (ii) after heating?

Q.5. State any two observations in an activity which may suggest that a chemical reaction has taken place. Give examples to support your answer.

Q.6. Write a fully balanced chemical equation and state the physical condition and physical state of the reactants in the following reaction.
   Aluminium metal dissolves in aqueous copper sulphate solution with the formation of aluminium sulphate and copper.
   (i) What do you understand by the following terms used in a chemical equation :
      (a) reactants (b) products?
   (ii) What does symbol ( ) represent in a chemical equation?

Q.7. A substance X, which is an oxide of a group 2 element, is used intensively in the cement industry. This element is present in bones also. On treatment with water it forms a solution which turns red litmus blue. Identify X and also write the chemical reactions involved.

Q.8. Grapes hanging on the plant do not ferment but after being plucked from the plant can be fermented. Under what conditions do these grapes ferment? Is it a chemical change?

Q.9. Balance the following chemical equations
$$Mg + N_2 \rightarrow \square\ Mg_3N_2$$

Short Answer Type Questions –

Q.1. Name the products formed in each case when :
   (a) hydrochloric acid reacts with caustic soda.
   (b) granulated zinc reacts with caustic soda.
   (c) carbon dioxide is passed into limewater.

Q.2. Write chemical equations for the reactions taking place when.
    (a) Magnesium reacts with dilute HNO_3
    (b) Sodium reacts with water
    (c) Zinc reacts with dilute hydrochloric acid

Q.3. Complete the following chemical equations :
    (i) $C_2H_5OH + O_2$ (ii) C_2H_5OH Conc. H_2SO_4 443 K
    (iii) $CH_3COOH + NaHCO_3$

Q.4. Complete the following chemical equations :
    (i) $CH_3COOH + Na_2CO_3$ (ii) $C_2H_5OH + Na$

Q.5.   (a) Write the essential condition for the following reaction to take place.
        $2AgBr \; 2Ag + Br_2$
    Write application of this reaction.
    (b) Complete the following chemical equation of a chemical reaction :
        Heat
   (c) What happens when water is added to quicklime? Write chemical equations.

Q.6.   On adding a drop of barium chloride solution to an aqueous solution of sodium sulphite, a white   precipitate is obtained.
    (a) Write a balanced chemical equation of the reaction involved.
    (b) What other name can be given to this precipitation reaction?
    (c) On adding dilute hydrochloric acid to the reaction mixture the white precipitate disappears.Why ?

Long Answer Type Questions (5 Marks)

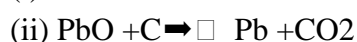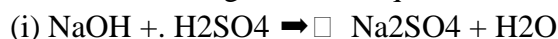Q.1. Observe the given figure and answer the following questions.
    (i) Write the complete balanced reaction for the above.
    (ii) Type of reaction involved.
    (iii) Is there any precipitate formed?
    (iv) If any precipitate formed, write the colour of the precipitate.

Test tube containing solution of sodium sulphate
Test tube containing solution of barium chloride
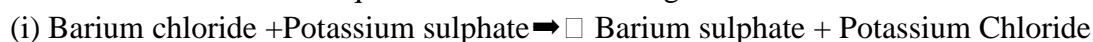Precipitate of barium sulphate
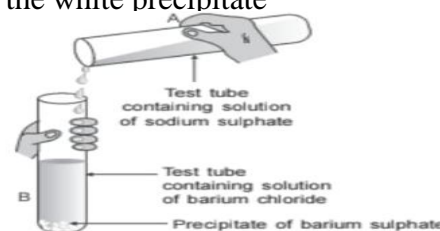
Q.2.   (a) Can we stir silver nitrate solution with a copper spoon? Why or why not? Support your answer with reason.
    (b) Why a brown coating is formed on the iron rod when iron rod is kept dipped in copper sulphate solution for sometime? What change will be observed in the colour of the solution?

Q.3.   (a) Balance the following chemical equations :
        (i) $NaOH +. H_2SO_4 \longrightarrow Na_2SO_4 + H_2O$
        (ii) $PbO + C \longrightarrow Pb + CO_2$
        (iii) $Fe_2O_3 + Al \longrightarrow Al_2O_3 + Fe + Heat$
    (b) Write the balanced chemical equations for the following reactions.
        (i) Barium chloride +Potassium sulphate $\longrightarrow$ Barium sulphate + Potassium Chloride
        (ii) Zinc metal + silver nitrate $\longrightarrow$ zinc nitrate + silver metal

Q.4.   (a) Define a balanced chemical equation. Why should an equation be balanced?
    (b) Write the balanced chemical equation for the following reason :
        (i) Phosphorus burns in presence of chlorine to form phosphorus pentachloride.
        (ii) Burning of natural gas
        (iii) The process of respiration.

BIOLOGY : ASSIGNMENT

**Class X Biology assignment**

Chapter 6 life processes

Q 1 What will happen to a plant if its xylem is removed?

Q 2 Why do aquatic animals breath faster than the terrestrial animals?

Q 3 Name the intermediate and the end product of glucose breakdown in aerobic respiration.

Q 4 How would it affect the digestion of proteins and carbohydrates in the duodenum of man if there is a blockage in the pancreatic duct? Explain.

Q 5 Why there is no mixing of oxygenated and deoxygenated blood in the human heart normally?

Q 6 Why are the walls of ventricles thicker than the auricles?

Q 7 Write one   feature which is common to each of the following pairs of terms/organs.

  a. Glycogen and starch
  b. Chlorophyll and hemoglobin
  c. Gills and lungs
  d. Arteries and veins

Q 8 What are the methods used by plants to get rid of excretory waste?

Q 9   a) Draw a diagram of human respiratory system and label on it:

   (i) Larynx (ii) trachea (iii) lungs (iv) bronchi

      b) Why do the walls of trachea not collapse when there is less air in it?

Q 10 What will happen if platelets were absent in the blood?

Q 11 What is the significance of emulsification of fats?

Q 12 Why is small intestine in herbivores longer than in carnivores?

Q 13 Leaves of a healthy potted plant were coated with Vaseline to block the stomata. Will this plant remain healthy for long? State three reasons for your answers.

Q 14 Name the glands associated with digestion of starch inhuman digestive tract and mention their role.

Q 15 How is required pH maintained in the stomach and small intestine?

Q 16) Bile juice does not contain any digestive enzymes, yet it is essential for digestion, why so ? Explain.
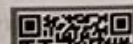
ASSIGNMENT:

1. The internal energy reserve in human beings in
   (a) starch
   (b) proteins
   (c) glyogen
   (d) fatty acid

2. Which of the following is the correct path of urine in the body?
   (a) Kidney → Ureter → Urinary bladder → Urethra
   (b) Kidney → Urinary bladder → Ureter → Urethra
   (c) Urethra → Urinary bladder → Ureter → Kidney
   (d) Urinary bladder → Kidney → Ureter → Urethra

3. As compared to daytime, the amount of carbon dioxide released by the plants during night is more because:
   (a) It is not produced during daytime.
   (b) It is stored in the leaves of plants during daytime.
   (c) Major amount of carbon dioxide produced is used up for photosynthesis during daytime.
   (d) Plants do not respire during daytime.

4. In which of the following vertebrate group/groups, the separation of right side and left side of the heart is exhibited to keep oxygenated and deoxygenated blood from mixing?
   (a) Pisces and amphibians
   (b) Reptiles only
   (c) Aves and reptiles
   (d) Aves and mammals

5. The part of a nephron which collects the filtered urine from each capillary cluster is
   (a) glomerulus
   (b) Bowman's capsule
   (c) tubular part
   (d) collecting duct

6. **Assertion:** Diffusion is the movement of particles from their area of higher concentration to lower concentration.
   Reason: Diffusion occurs only in the liquid state.

7. **Assertion:** The transport of water and minerals in xylem is unidirectional and does not need any energy for the transportation.
   Reason: The transport of food prepared by the leaves in phloem is bidirectional and uses energy for the transportation.

8. How are oxygen and carbon dioxide transported in our body?

9. (a) In which part of alimentary canal, digestion does not occur?
   (b) Pepsin is released by the gastric glands present in the wall of the stomach but the stomach wall is not digested by this enzyme. Explain.

10. What is translocation? Which elements of phloem translocate the food material and in which direction? Which substances are translocated besides the products of photosynthesis?

11. Give reasons
    (a) The small intestine in herbivores is longer than in carnivores.
    (b) The rate of breathing in aquatic organisms is much faster than in terrestrial organisms.
    (c) Blood circulation in human heart is called double circulation.

12. (a) Define excretion. Draw human excretory system and label the following parts in it:
       (i) Left renal artery
       (ii) Aorta
       (iii) Urethra
       (iv) Right Kidney
    (b) Explain the formation of urine in human beings.

13. Terrestrial organisms use the oxygen in the atmosphere for respiration. Different animals have evolved different organs for the uptake of oxygen from the environment and for getting rid of the carbon dioxide produced. The given diagram is of human respiratory system.
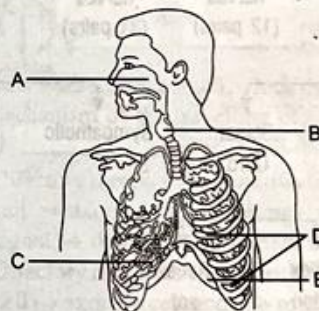
   (a) Identify the labels A, B, C, D and E. Out of these parts, which one has rings of cartilage?
   (b) What is the function of parts labelled as A and C?

       Or

   (b) How do the parts labelled as D and E help in breathing?

Note: For Assertion and Rea...

1. Which of the following is/are the function/s of the pancreatic juice?
   (i) Trypsin digests proteins.
   (ii) Lipase digests emulsified fats.
   (iii) Pepsin digests proteins.
   (iv) Amylase digests carbohydrates.
   (a) Only (iii)
   (b) Only (iv)
   (c) Both (i) and (ii)
   (d) Both (iii) and (iv)

2. On adding a few drops of iodine solution to rice water, the solution turns blue-black in colour. This indicates that the rice water contains
   (a) emulsified fats
   (b) complex proteins
   (c) simple carbohydrate
   (d) starch

3. Which of the following is the most appropriate sequence of air passage during inhalation?
   (a) Nostrils → Bronchi → Bronchioles → Pharynx → Trachea → Alveoli
   (b) Nostrils → Pharynx → Larynx → Trachea → Bronchi → Bronchioles → Alveoli
   (c) Nostrils → Larynx → Pharynx → Trachea → Bronchi → Bronchioles → Alveoli
   (d) Nostrils → Trachea → Larynx → Pharynx → Bronchi → Bronchioles → Alveoli

4. Lack of oxygen in muscles often lead to cramps among the athletes. This occurs due to
   (a) conversion of glucose to pyruvate
   (b) conversion of pyruvate to ethanol
   (c) conversion of pyruvate to lactic acid
   (d) conversion of pyruvate to carbon dioxide and water

5. Which part of the human excretory system is muscular and is under nervous control?
   (a) Kidney
   (b) Ureter
   (c) Urinary bladder
   (d) Urethra

6. **Assertion:** Capillaries are the smallest vessels which are one cell thick and have thin walls.
   Reason: Through the thin walls of capillaries, the exchange of materials takes place.

7. **Assertion:** The nephrons are the basic filtration units present in the kidney.
   Reason: Each nephron is composed of Bowman's capsule and a tubular region.

8. Which process helps in the loss of excess water from the aerial parts of the plant? Explain its importance.

9. What is common for
   (i) bread moulds, yeast and mushrooms?
   (ii) cuscuta, ticks and tapeworms?

10. Give reasons:
    (a) Veins have thin walls as compared to arteries.
    (b) Ventricles have thick muscular walls.

11. Respiration in plants is different from that of respiration in animals. Write three points of differences between respiration in plants and animals.

12. (a) Write the correct sequence of events to show the movement of oxygenated blood in body.
    (b) Draw a diagram of human heart and mark the part which
    (i) brings blood from lower body parts.
    (ii) takes deoxygenated blood from heart to lungs.
    (iii) is a dividing wall between the chambers of the heart.
    (iv) is the largest vessel.
    (c) (i) What is the function of valves present between atria and ventricles?
    (ii) What would happen if the platelets are not present in the blood?

13. Neetu draws a cross-section of a leaf. Study the diagram carefully and identify the layer/s which has/have
    (a) Stomata
    (b) Green dots
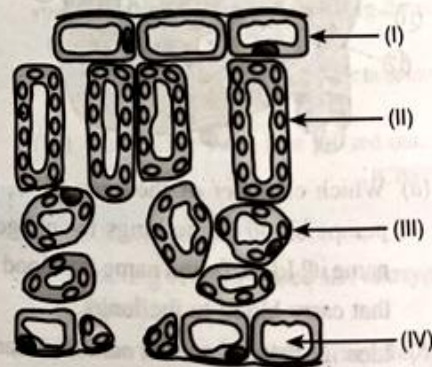
    (c) Write the function of stomata. What name is given to the green dots and write their function?

    Or

    (c) Write the process of photosynthesis in the form of a chemical equation. What is the source of oxygen produced during the process of photosynthesis?
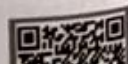
HINDI:

निम्नलिखित प्रश्नों का उत्तर सही विकल्प चुनकर दीजिए।

1. निम्नलिखित वाक्यों में मोटे छपे पदबंधों के भेद बताइए।

  1. नरेश रोज मंदिर <u>जाता रहता है।</u>
  (क) संज्ञा पदबंध   (ख) क्रियाविशेषण पदबंध   (ग) क्रिया पदबंध   (घ) विशेषण पदबंध

  2. नैना पढ़कर <u>सो गई है।</u>
  (क) क्रिया पदबंध   (ख) क्रियाविशेषण पदबंध   (ग) विशेषण पदबंध   (घ) संज्ञा पदबंध

  3. कोरोना महामारी के कारण सरकार ने <u>देशभर के गरीबों को</u> राशन की सुविधा प्रदान की है।
  (क) क्रिया पदबंध   (ख) संज्ञा पदबंध   (ग) सर्वनाम पदबंध   (घ) इनमें से कोई नहीं

  4. <u>बड़ी-बड़ी बातें करने वाले विद्यार्थी</u> कभी सफल नहीं हो सकते।
  (क) संज्ञा पदबंध   (ख) क्रिया पदबंध   (ग) क्रियाविशेषण पदबंध   (घ) विशेषण पदबंध

  5. <u>बार-बार चली जाने वाली</u> बिजली ने सबको परेशान कर दिया।
  (क) संज्ञा पदबंध   (ख) क्रियाविशेषण पदबंध   (ग) विशेषण पदबंध   (घ) क्रिया पदबंध

  6. हमारे क्षेत्र में आजकल चोरी की घटनाएँ <u>बढ़ती जा रही हैं।</u>
  (क) क्रिया पदबंध   (ख) क्रियाविशेषण पदबंध   (ग) विशेषण पदबंध   (घ) इनमें से कोई नहीं

  7. वह <u>पुरस्कार में मिली पुस्तक</u> लेकर आया।
  (क) संज्ञा पदबंध   (ख) सर्वनाम पदबंध   (ग) क्रिया पदबंध   (घ) क्रियाविशेषण पदबंध

  8. <u>तताँरा की तलवार</u> एक विलक्षण रहस्य थी।
  (क) संज्ञा पदबंध   (ख) विशेषण पदबंध   (ग) क्रिया पदबंध   (घ) क्रियाविशेषण पदबंध

  9. <u>प्रतिदिन की भाँति</u> वह काम पर चला गया।
  (क) क्रिया पदबंध   (ख) सर्वनाम पदबंध   (ग) क्रियाविशेषण पदबंध   (घ) विशेषण पदबंध

10. <u>भूरी आँखों वाली</u> लड़की सुंदर है।

(क) विशेषण पदबंध   (ख) क्रिया पदबंध   (ग) संज्ञा पदबंध   (घ) इनमें से कोई नहीं

11. <u>वामीरो द्वीप के दूसरी तरफ़</u> बढ़ा जा रहा था।

(क) विशेषण पदबंध   (ख) संज्ञा पदबंध   (ग) क्रिया पदबंध   (घ) क्रियाविशेषण पदबंध

12. <u>चुप रहने वाले पिता जी</u> आखिर क्यों बड़बड़ा रहे हैं?

(क) संज्ञा पदबंध   (ख) क्रियाविशेषण पदबंध   (ग) क्रिया पदबंध

(घ) विशेषण पदबंध

13. रेलगाड़ी से <u>ऊँघते हुए चेहरे</u> बाहर झाँके।

(क) विशेषण पदबंध   (ख) क्रिया पदबंध   (ग) संज्ञा पदबंध   (घ) क्रियाविशेषण पदबंध

2. निम्नलिखित समस्तपदों के सही समास का नाम बताइए।

1. पीतांबर (पीत है अंबर जिसका अर्थात कृष्ण)

(क) द्वंद्व समास   (ख) बहुव्रीहि समास   (ग) द्विगु समास   (घ) अव्ययीभाव समास

2. शिवालय (शिव का आलय)

(क) संप्रदान तत्पुरुष   (ख) करण तत्पुरुष   (ग) संबंध तत्पुरुष   (घ) इनमें से कोई नहीं

3. महासागर (महान है सागर जो)

(क) तत्पुरुष समास   (ख) अव्ययीभाव समास

(ग) कर्मधारय समास   (घ) द्विगु समास

4. काली मिर्च (काली है मिर्च जो)

(क) द्विगु समास   (ख) कर्मधारय समास   (ग) अव्ययीभाव समास   (घ) द्वंद्व समास

5. जगन्नाथ (जगत के नाथ)

(क) अव्ययीभाव समास   (ख) तत्पुरुष समास   (ग) द्वंद्व समास   (घ) द्विगु समास

6. पाठशाला (पाठ के लिए शाला)

(क) करण तत्पुरुष   (ख) संप्रदान तत्पुरुष   (ग) अधिकरण तत्पुरुष   (घ) बहुव्रीहि समास

7. **भोजनालय** (भोजन के लिए आलय)

(क) अधिकरण तत्पुरुष   (ख) करण तत्पुरुष   (ग) संप्रदान तत्पुरुष   (घ) कर्मधारय समास

8. **दहीबड़ा** (दही में डूबा हुआ बड़ा)

(क) तत्पुरुष समास   (ख) कर्मधारय समास   (ग) द्विगु समास

पाठ पर आधारित प्रश्न

निर्देश-निम्नलिखित प्रश्नों के सही उत्तर विकल्प चुनकर लिखिए

1. 'बड़े भाई साहब' पाठ के लेखक हैं-

(क) सीताराम सेकसरिया   (ख) प्रेमचंद   (ग) हबीब तनवीर   (घ) लीलाधर मंडलोई।

2. लेखक के भाई साहब उनसे कितने साल बड़े थे-

(क) तीन साल   (ख) चार साल   (ग) पाँच साल   (घ) दो साल ।

3. बड़े भाई साहब लेखक से कितने दरजे आगे थे-

(क) तीन दरजे   (ख) चार दरजे   (ग) दो दरजे   (घ) एक दरजे ।

4. बड़े भाई साहब किस मामले में जल्दबाज़ी से काम लेना पसंद नह करते थे-

(क) भोजन करने में   (ख) खेलने-कूदने में   (ग) शिक्षा के मामले में (घ) कोई निर्णय करने में।

1. 'साखी' के कवि कौन हैं-

(क) रहीम   ख) कबीर   (ग) मीरा   (घ) रैदास।

2. कबीर का जन्म कहीं हुआ-

(क) मयुरा में   (ख) अयोध्या में   (ग) काशी में   (घ) मगहर में।

3. कबीर के गुरु कौन थे-

(क) रामदास   (ख) रामानंद   (ग) परमानंद   (घ) देवानंद।

4. कस्तूरी कहाँ रहती है-

(क) मृग की नाभि में   (ख) कमल के फूल में   (ग) सीप मे   (घ) पत्थर

I. निम्नलिखित प्रश्नों के उत्तर दीजिए

1. कथावाचक और हरिहर काका के बीच क्या संबंध है और इसके क्या कारण है?
2. हरिहर काका को महंत और अपने भाई एक ही श्रेणी के क्यों लगे ?
3. हरिहर काका के गांव में यदि मीडिया की पहुंच होती तो उनकी क्या स्थिति होती है अपने शब्दों में लिखिए।
4. ईश्वर कण-कण में व्याप्त है पर हम उसे क्यों नहीं देख पाते?
5. अपने स्वभाव को निर्मल करने के लिए कबीर ने क्या उपाय सुखाया है?
6. मीठी वाणी बोलने से औरों को सुख और अपने तन को शीतलता कैसे प्राप्त होती है?
7. छोटे भाई ने अपनी पढ़ाई का टाइम टेबल बनाते समय क्या-क्या सोचा फिर उसका पालन क्यों नहीं कर पाया?
8. छोटे भाई ने बड़े भाई साहब के नरम व्यवहार का क्या फायदा उठाया?

II. लेखन कौशल

निम्नलिखित अनुच्छेद लिखिए।

1. ग्लोबल वार्मिंग सब की चिंता का विषय
2. विकास का आधार अनुशासन

COMPUTER:

- Complete Practical File as explained and guided in classroom.
- Complete assignment:
  Do following questions on fair notebook in good hand writing
  Support answers with suitable diagram wherever needed:

1. What is the Internet? Write five major application areas of Internet.
2. What are the key components of the Internet?
3. What is a network?
4. What is the difference between a network and the Internet?
5. What is a protocol and why is it important in the Internet?
6. What is an IP address and why is it important?
7. What is a modem and how does it work?
8. What is a router and how is it different from a modem?
9. What is a web browser and how does it work?
10. What are some examples of internet services?
11. What is the World Wide Web (WWW)?
12. What are webpages and how do they relate to the WWW?
13. What are some different types of internet connections (e.g., dial-up, DSL, satellite)?
14. What is a website and how is it created?

15. What is a domain name and how does it relate to a website?
16. What are some examples of social media platforms and how do they work?
17. What is the impact of the internet on different aspects of society?
18. What are some of the challenges facing the internet today?
19. What is email and how does it work?
20. What is search engine optimization (SEO) and why is it important?
21. What is e-commerce and what are some examples of e-commerce activities?
22. What are web services and how are they used?
23. What are the advantages and disadvantages of using the internet?
24. What are some ethical considerations when using the internet?
25. How can you protect yourself from online threats?
26. What is the future of the internet and what trends do you see emerging?
27. What is Home Page ? How it is different from webpage?
28. How is Domain Name different from URL?
29. What is difference between Internet and Intranet ?
30. What is Blogging? Explain its advantages.

- Revise back exercises of Ch -1,2,3. Prepare these chapters for Unit-I exams.
- Make a PowerPoint Presentation on "ROLE OF INTERNET IN STUDENT LIFE". Explain its positives as well as negative effects.
- Minimum 20 Slides in presentation.
- Apply different animation effects to make it interesting and attractive.

PHYSICAL EDUCATION:

- Prepare Practical file on history of athletics, two track and two fields events with neat and clean diagrams.
- Write any one game of your choice, it's rules and fundamental skills & Draw a diagram of ground. From SP publication practical file.
- Do Meditation,yoga Asanas and Sun Salutation & physical activities Daily.
- Life Skills: Make a beautiful chart related to good habits and balance Diet .