

Question 1:

You recently visited the 24th Crafts Mela at Suraj Kund, Faridabad. It was Mini India assembled at one place. Using the hints, make a diary entry of what you saw and experienced there.

2. Write a short story in 200 – 250 words, with the help of the cues given below. Give a suitable title to the story.

Satish was standing on the balcony watching the last rays of the Sun. Loud and angry voices in the street below distracted his attention. He ran down the stairs to see what had happened

3. Write a paragraph describing your school library which is been recently renovated. (150-200 words)

Question 4.

Our life today (a) surrounded by all kinds of gadgets (b) has made our life very (c) The information (d) the Internet is just (e) click away.



Q. Read the sentence given below and fill in the blanks by choosing the most appropriate options from the ones that follow:

I (1) _____ not climb the staircase anymore as I was totally spent out (2) _____ running relentless to save my life from (3) _____ creature which looked like (4) _____ Yeti.

Options:

- 1. did / could / might / had
- 2. from / on / against / over
- 3. those / which / that / this
- 4. a / the / an / none of these

Q. Read the sentences given below and fill in the blanks by choosing the most appropriate options from the ones that follow.

She (1) _____ read 300 words per minute which is more than the average reading speed. It's a wonder. A group of teachers (2) _____ critical about her. Then we met Maurice (3) _____ strategies works like magic wand (4) _____ help Nova start reading.

Options:

1. could / shall / can / will

2. were / are / is / was

3. who / that / which / whose

4. for / to / in / at

Q. Read the sentence given below and fill in the blanks by choosing the most appropriate options from the ones that follow.

Now the police (1) _____ evidence against Mr. Mathew. The miscreant (2) _____ sleepless nights to the police force. Mr. Mathew was caught (3) _____ the most unexpected of his hideouts. What left the police confounded was that Mr. Mathew (4) _____ manage to play the gratuitous double of the slain policeman for three months.

Options:

1. has / had / have / are having
2. had given / gave / gives / has given
3. at / from / inside / in
4. might / should / would / could

Question 9.

Rearrange the following words in meaningful sentences.

(a) the / had / crying / been / child / the / hours / two / last / for

(b) fly / to escape / south / starvation / to / chill / and / they

Question 10.

Rearrange the following words in meaningful sentences.

(a) has a / range / Hyde Park / wide / of / facilities

(b) lake / is / for / the / popular / boating / and swimming

Class IX

भाषा भाग

दार्शनिक भाग

- 1. प्रयोगों को करने की भाँति
- 2. चर्चा से

~~4 marks~~
पाठ का प्रयोग करो OA

दीर्घ

रहा है भाग

बैंगन रस - 2 marks all OA

द्वितीय भाग

प्रश्न - 4 marks all OA

ਪਤਨ ਕੌਸ਼ਲ

1. ਅਣਡਿੱਠਾ ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਪੁਸ਼ਨਾਂ ਦੇ ਉਤਰ ਲਿਖੋ। (5)
- ਸ਼ਾਮ ਦੀ ਸੈਰ ਵੀ ਕਿੰਨੀ ਗੁਣਕਾਰੀ ਅਤੇ ਸਵਾਸਥ ਵਰਧਕ ਹੁੰਦੀ ਹੈ। ਸਾਰੇ ਦਿਨ ਦੀ ਮਿਹਨਤ ਨਾਲ ਤਨ-ਮਨ ਦੇ ਮੈਲੇ ਹੱਥੇ ਕੱਪੜੇ ਸ਼ਾਮ ਦੀ ਸੈਰ ਦੇ ਸਰਫ ਨਾਲ ਤੁਰੰਤ ਸਾਫ ਹੋ ਜਾਂਦੇ ਹਨ, ਦਿਮਾਗ ਉਜੱਲ ਹੋ ਜਾਂਦਾ ਹੈ, ਬੁੱਧੀ ਨਿਰਮਲ ਹੋ ਜਾਂਦੀ ਹੈ। ਇਉਂ ਜਾਪਦਾ ਹੈ, ਇਹ ਸੈਰ ਨਹੀਂ ਤੁਰਦੀ ਫਿਰਦੀ ਟਕਸਾਲ ਹੈ ਜਿਸ ਵਿੱਚ ਪੈ ਕੇ ਸੁਰਤਿ, ਮੱਤ, ਬੁੱਧੀ ਘੱਟ ਜਾਂਦੇ ਹਨ ਅਤੇ ਟਕਸਾਲੀ ਬਣ ਜਾਂਦੇ ਹਨ, ਖਰੇ ਸਿੱਕੇ ਵਾਂਗ ਹਰ ਥਾਂ ਚਲ ਸਕਦੇ ਹਨ। ਸ਼ਾਮ ਦੀ ਸੈਰ ਤੁਹਾਨੂੰ ਹਲਕਾ-ਫੁਲਕਾ ਕਰ ਦਿੰਦੀ ਹੈ। ਦਿਨ ਦੀ ਬਕਾਨ ਲਾਹੁੰਦੀ ਹੈ, ਪੈਣ ਵਾਲੀ ਰਾਤ ਲਈ ਸੁਖਾਸਨ ਤਿਆਰ ਕਰਦੀ ਹੈ। ਤੁਸੀਂ ਤਰੇ ਤਾਜਾ ਹੋਕੇ ਮੁੜ ਕੰਮ ਵਿੱਚ ਚੁੱਟ ਸਕਦੇ ਹੋ, ਰੱਜ ਕੇ ਭੋਜਨ ਛੱਕ ਸਕਦੇ ਹੋ, ਮਿੱਠੀ ਨੀਂਦ ਸੌ ਸਕਦੇ ਹੋ, ਲਾਲਚੀ ਡਾਕਟਰ ਨੂੰ ਆਪਣੇ ਤੋਂ ਪਰ੍ਹਾਂ ਰੱਖ ਸਕਦੇ ਹੋ।

- ਪ੍ਰ: 1. ਸ਼ਾਮ ਦੀ ਸੈਰ ਦੇ ਕਿਹੜੇ ਖਾਸ ਲਾਭ ਹੁੰਦੇ ਹਨ?
- ਸ਼ਾਮ ਦੀ ਸੈਰ ਦਾ ਦਿਮਾਗ ਤੇ ਕਿਸ ਤਰ੍ਹਾਂ ਦਾ ਅਸਰ ਪੈਂਦਾ ਹੈ?
 - ਸ਼ਾਮ ਦੀ ਸੈਰ ਦਾ ਰਾਤ ਦੀ ਚੰਗੀ ਨੀਂਦ ਤੇ ਸਵੇਰ ਦੀ ਸੈਰ ਦੀ ਤਰੋਤਾਜਗੀ ਨਾਲ ਕੀ ਸੰਬੰਧ ਹੈ?
 - ਪੈਰੇ ਦਾ ਦੁਕਵਾਂ ਸਿਰਲੇਖ ਦੱਸੋ?

2. ਅਣਡਿੱਠੀ ਕਾਵਿ ਟੁਕੜੀ ਪੜ੍ਹ ਕੇ ਪੁਸ਼ਨਾਂ ਦੇ ਉਤਰ ਲਿਖੋ (3)

ਮਹਿਕਾਂ ਵੰਡੋ ਚਾਰ ਚੁਫੇਰੇ,

ਰੱਖੋ ਫੁੱਲਾਂ ਵਰਗੇ ਚਿਹਰੇ,

ਇਹ ਦੁਨੀਆਂ ਰੰਗੀਨ ਬਣਾਓ,

ਬਗੜੇ ਖੇਤੇ ਛੜੋ ਆਓ - ਹਸੋ ਖੇਡੋ ਮੌਜ ਮਨਾਓ

- ਚਾਰ ਚੁਫੇਰੇ ਕੀ ਵੰਡਣਾ ਚਾਹੀਦਾ ਹੈ?
- ਇਸ ਦੁਨੀਆਂ ਨੂੰ ਰੰਗੀਨ ਬਣਾਉਣ ਤੋਂ ਕੀ ਭਾਵ ਹੈ?
- ਕਵੀ ਸਾਨੂੰ ਕੀ ਸੰਦੇਸ਼ ਦਿੰਦਾ ਹੈ?

(3x3=9)

3. ਵਿਆਕਰਨ:-

1. ਵਿਸਮਿਕ

1. ਸ਼ਾਬਾਸ਼! 'ਸਦਕੇ ਤੇਰੇ' ਕਿਹੜਾ ਵਿਸਮਿਕ ਹੈ?

(ੳ) ਸੂਚਨਾ ਵਾਚਕ ਵਿਸਮਿਕ

(ਅ) ਹੈਰਾਨੀ ਵਾਚਕ ਵਿਸਮਿਕ

(ੲ) ਪ੍ਰਸੰਸਾ ਵਾਚਕ ਵਿਸਮਿਕ

(ਸ) ਸੰਬੋਧਨੀ ਵਿਸਮਿਕ

2. ਇੱਛਿਆ ਵਾਚਕ ਵਿਸਮਿਕ ਦੀ ਚੋਣ ਕਰੋ

(ੳ) ਬੇਸ਼ਰਮ, ਲਾਹਨਤ

(ਅ) ਕਾਸ਼, ਜੇ ਕਿਤੇ

(ੲ) ਹੈਂ-ਹੈਂ, ਉਹੋ

(ਸ) ਖੁਸ਼ ਰਹੋ, ਜਿਉਂਦੇ ਰਹੋ

3. ਵਿਸਮਿਕ ਕਿੰਨੀ ਤਰ੍ਹਾਂ ਦੇ ਹੁੰਦੇ ਹਨ
(ੳ) ਪੰਜ (ਅ) ਦੋ (ੲ) ਨੌਂ (ਸ) ਸੱਤ
4. ਰਵੀ ਪੁਸਤਕ ਪੜ੍ਹਦਾ ਹੈ- ਵਾਕ ਵਿੱਚ 'ਪੜ੍ਹਦਾ' ਸ਼ਬਦ ਕੀ ਹੈ।
(ੳ) ਪੜਨਾਵ (ਅ) ਨਾਵ (ੲ) ਕਿਰਿਆ (ਸ) ਵਿਸ਼ੇਸ਼ਣ
5. 'ਬੱਚੇ ਖੇਡਦੇ ਹਨ' ਵਾਕ ਵਿੱਚ ਕਿਸ ਕਿਸਮ ਦੀ ਕਿਰਿਆ ਹੈ?
(ੳ) ਅਕਰਮਕ ਕਿਰਿਆ (ਅ) ਸਹਾਇਕ ਕਿਰਿਆ
(ੲ) ਸਕਰਮਕ ਕਿਰਿਆ (ਸ) ਸੰਸਰਗੀ ਕਿਰਿਆ
6. 'ਮੈਂ ਸੱਪ ਨੂੰ ਮਾਰ ਦਿੱਤਾ' ਵਾਕ ਵਿੱਚ ਕਿਹੋ ਜਿਹੀ ਕਿਰਿਆ ਹੈ।
(ੳ) ਅਕਰਮਕ ਕਿਰਿਆ (ਅ) ਸਕਰਮਕ ਕਿਰਿਆ
(ੲ) ਸੰਸਰਗੀ ਕਿਰਿਆ (ਸ) ਸਹਾਇਕ ਕਿਰਿਆ
7. ਆਟੇ ਵਿੱਚ ਲੂਣ ਹੋਣਾ ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਚੁਣੋ।
(ੳ) ਨਿਸਚਿੰਤ ਹੋਣਾ (ਅ) ਲੂਣ ਆਟੇ ਵਿੱਚ ਮਿਲਾਉਣਾ
(ੲ) ਘੱਟ ਗਿਣਤੀ ਵਿੱਚ ਹੋਣਾ (ਸ) ਆਟਾ ਲੂਣ ਹੋਣਾ
8. ਹੱਥ ਅੱਡਣਾ ਮੁਹਾਵਰੇ ਦੀ ਕਿਸ ਅਰਥ ਵਿੱਚ ਵਰਤੋਂ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।
(ੳ) ਮੁੱਠ ਖੋਲਣੀ (ਅ) ਹੱਥ ਫੈਲਾਉਣਾ
(ੲ) ਕੁਝ ਮੰਗਣਾ (ਸ) ਭੀਖ ਮੰਗਣਾ
9. 'ਸਿਰ ਤਲੀ ਤੇ ਰੱਖਣਾ' ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਦੱਸੋ।
(ੳ) ਪੂਰੇ ਉਤਸਾਹ ਨਾਲ ਕੰਮ ਕਰਨਾ (ਅ) ਜੋਸ਼ ਨਾਲ ਕੰਮ ਕਰਨਾ
(ੲ) ਕੁਰਬਾਨੀ ਲਈ ਤਿਆਰ ਹੋਣਾ (ਸ) ਆਸਰਾ ਮਿਲਣਾ

ਪ੍ਰ. 4. ਕਿਸੇ ਇਕ ਵਿਸ਼ੇ ਤੇ ਲੇਖ ਲਿਖੋ। (7)
ਜੇਹੀ ਸੰਗਤ ਤੇਹੀ ਰੰਗਤ, ਪੰਜਾਬ ਦੇ ਮੇਲੇ, ਸ੍ਰੀ ਹਰਿਮੰਦਰ ਸਾਹਿਬ।

ਪ੍ਰ. 5. ਤੁਹਾਡਾ ਪੰਜਾਬ ਦਾ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਪਾਠਕ੍ਰਮ ਤੋਂ ਬਾਹਰੋਂ ਆਇਆ ਹੈ। ਬੋਰਡ ਦੇ ਸੱਕਤਰ ਨੂੰ ਇਸ ਸੰਬੰਧੀ ਸ਼ਿਕਾਇਤ ਪੱਤਰ ਲਿਖੋ।

(ਜਾਂ)

ਪੰਜਾਬ ਰਾਜ ਦੇ ਮੁੱਖ ਮੰਤਰੀ ਨੂੰ ਵੱਧਦੀ ਮਹਿੰਗਾਈ ਦੀ ਚਿੰਤਾ ਦੇ ਪ੍ਰਗਟਾਵੇ ਲਈ ਪੱਤਰ ਲਿਖੋ।

1. ਪਾਠ ਪੁਸਤਕਾਂ ਦੇ ਅਧਾਰਿਤ ਪ੍ਰਸ਼ਨ ਪੱਤਰ। (1x4)
1. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ ਦੇ ਪਿਤਾ ਦਾ ਨਾਂ ਦਸੋ।

- (ੳ) ਸਰਦਾਰ ਅਮਰ ਸਿੰਘ (ਅ) ਸ. ਬਲਦੇਵ ਸਿੰਘ
(ੲ) ਸਰਦਾਰ ਕਾਕਾ ਸਿੰਘ (ਸ) ਸ. ਪਿਆਰਾ ਸਿੰਘ

2. ਲੇਖਕ ਹੋਰਾਂ ਦੇ ਘਰ ਫਰਸ਼ ਕਾਹਦੇ ਨਾਲ ਲਿਖਿਆ ਜਾਂਦਾ ਸੀ?
(ੳ) ਗਾਰੇ ਨਾਲ (ਅ) ਚਿੱਕੜ ਨਾਲ
(ੲ) ਗੋਹੇ ਨਾਲ (ਸ) ਚਿੱਕਣੀ ਮਿੱਟੀ ਨਾਲ

3. ਖੁਸ਼ੀਆਂ ਦੇ ਆਉਣ ਲਈ ਕੀ ਬਨਾਉਣਾ ਪੈਂਦਾ ਹੈ?
(ੳ) ਪਕਵਾਨ (ਅ) ਖੂਹ
(ੲ) ਪੱਕਾ ਘਰ (ਸ) ਰਸਤਾ

4. ਪਾਲੀ ਨੂੰ ਬੱਸ ਕੰਡਕਟਰ ਜੀਤ ਕਿਸ ਤਰ੍ਹਾਂ ਦਾ ਜਾਪਦਾ ਸੀ?
(ੳ) ਚਲਾਕ (ਅ) ਸਾਊ
(ੲ) ਬਦਮਾਸ਼ (ਸ) ਨਸ਼ਈ

(1x4)

2. ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉਤੱਰ ਦਿਓ:-

1. ਵਿੱਡ ਦਾ ਸੇਕ ਤੋਂ ਕੀ ਭਾਵ ਹੈ?
2. ਸਿਰਜਣਾ ਦੇ ਪੜੀ ਦਾ ਨਾਂ ਦਸੋ?
3. ਬੀਜੀ ਦਾ ਘਰ ਛੱਡਣ ਲਈ ਕੌਣ ਤਿਆਰ ਹੋ ਜਾਂਦਾ ਹੈ?
4. ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ ਕਵਿਤਾ ਕਿਸਦੀ ਰਚਨਾ ਹੈ।

(2x2=4)

3. ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉਤੱਰ ਦਿਓ:-

1. ਸਿਰਜਣਾ ਪਰੇਸ਼ਾਨ ਕਿਉਂ ਰਹਿੰਦੀ ਹੈ?
2. ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜੀਬ ਕਵਿਤਾ ਦਾ ਕੇਂਦਰੀ ਭਾਵ ਲਿਖੋ।
3. ਮਾਤਾ ਗੁਜਰੀ ਜੀ ਕਵਿਤਾ ਵਿੱਚ ਕਿਹੜੇ ਸਾਹਿਬਜ਼ਾਦਿਆਂ ਵਲ ਸੰਕੇਤ ਕੀਤਾ ਗਿਆ ਹੈ?

(3)

ਪ੍ਰ. 3. ਕਿਸੇ ਇਕ ਪ੍ਰਸ਼ਨਾਂ ਦਾ ਉਤੱਰ ਦਿਓ:-

1. ਲੇਖਕ ਦੇ ਬਚਪਨ ਦਾ ਜੀਵਨ ਕਿਹੋ ਜਿਹਾ ਸੀ

(ਜਾਂ)

ਸਾਡੇ ਵੱਡੇ ਵੱਡੇਰਿਆਂ ਨੇ ਖੁਸ਼ੀਆਂ ਨੂੰ ਸੱਦਾ ਦੇਣ ਲਈ ਕਿਹੜੇ ਢੰਗ ਕੱਢੇ ਹੋਏ ਹਨ?

ਪ੍ਰ. 4. ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉਤੱਰ ਦਿਓ:-

(4)

1. ਕੁਲਦੀਪ ਸਿਰਜਣਾ ਨੂੰ ਫੋਨ ਤੇ ਕਿਸਦੀ ਮਰਜ਼ੀ ਅਨੁਸਾਰ ਚਲਣ ਲਈ ਕਹਿੰਦੀ ਹੈ ਤੇ ਕਿਉਂ?

ਜਾਂ

ਸਿਰਜਣਾ ਦੁਆਰਾ ਸਕੈਨਿੰਗ ਨਾ ਕਰਵਾਉਣ ਦੇ ਫੈਸਲੇ ਤੇ ਕੁਲਦੀਪ ਦਾ ਕੀ ਪ੍ਰਤੀਕਰਮ ਸੀ?

SECTION - A

(Section A consists of 20 questions of 1 mark each)

1. The number obtained on rationalising the denominator of

$$\frac{1}{\sqrt{7}-2} \text{ is}$$

(a) $\frac{\sqrt{7}+2}{3}$

(b) $\frac{\sqrt{7}-2}{3}$

(c) $\frac{\sqrt{7}+2}{5}$

(d) $\frac{\sqrt{7}+2}{45}$

2. Which one of the following is a polynomial ?

(a) $\frac{x^2}{2} - \frac{2}{x^2}$

(b) $\sqrt{2x} - 1$

(c) $x^2 + \frac{3x^{3/2}}{\sqrt{x}}$

(d) $\frac{x-1}{x+1}$

3. Abscissa of a point is positive in

(a) I and II quadrants (b) I and IV quadrants

(c) I quadrant (d) II quadrant

4. $x = 5$ and $y = 2$ is a solution of the linear equation

(a) $x + 2y = 7$

(b) $5x + 2y = 7$

(c) $x + y = 7$

(d) $5x + y = 7$

5. In ancient India, the shapes of altars used for house hold rituals were

(a) squares and circles

(b) triangles and rectangles

(c) trapeziums and pyramids

(d) rectangles and squares

6. Angles of a triangle are in the ratio 2 : 4 : 3. The smallest angle of the triangle is

(a) 60°

(b) 40°

(c) 80°

(d) 20°

7. Which of the following is not a criterion for congruence of triangles ?

(a) SAS

(b) ASA

(c) SSA

(d) SSS

8. Which of the following is not always true in a parallelogram ?

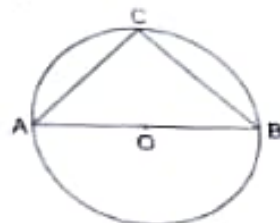
(a) opposite sides are equal

(b) opposite angles are equal

(c) Diagonals bisect each other

(d) Diagonals are equal.

9. In figure, if AOB is a diameter of the circle and $AC = BC$ then $\angle CAB$ is equal to



(a) 30°

(b) 60°

(c) 90°

(d) 45°

10. If a, b, c are the lengths of three sides of a triangle, then the value of s as used in Heron's formula for area of triangle is :

(a) $\frac{a+b+c}{2}$

(b) $a+b+c$

(c) $2(a+b+c)$

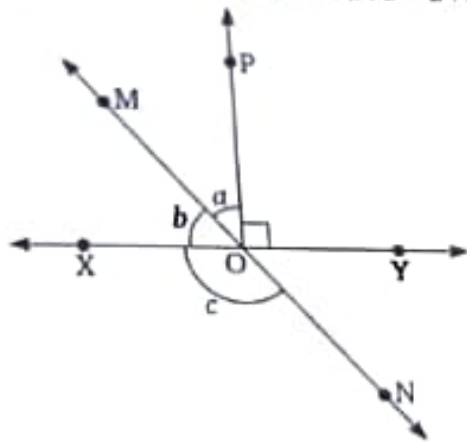
(d) $\frac{1}{2}abc$

(Section D consists of 4 questions of 5 marks each)

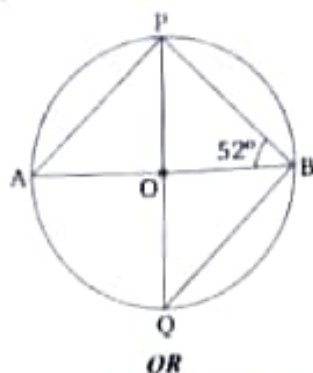
32. (a) A hemispherical bowl has inner diameter 11.2 cm. Find the volume of milk, it can hold.
(b) A solid sphere of radius 10 cm is melted and recast into small spherical balls each of radius 5 cm. Find the number of balls thus obtained.

OR

- (a) A hemispherical tank is made-up of iron sheet 1 cm thick. If the inner radius is 1 m, find the outer curved surface area.
(b) The internal and external diameters of a hollow hemispherical vessel are 24 cm and 25 cm respectively. If the cost of painting 1 cm^2 of the surface area is ₹ 5.25, find the total cost of painting the vessel all over.
33. In the figure, lines XY and MN intersect at O. If $\angle POY = 90^\circ$ and $a : b = 2 : 3$, find c .



34. In the given figure, find the measure of $\angle PQB$.



OR

ABCD is a cyclic quadrilateral, whose diagonals intersect at a point E. If $\angle DBC = 70^\circ$, $\angle BAC = 30^\circ$, find $\angle BCD$. Further if $AB = BC$, find $\angle ECD$.

35. In a frequency distribution table, the class marks are given along with the corresponding frequencies as shown below :

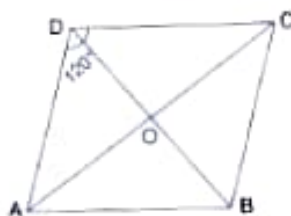
Class marks	148	156	164	172	180	188	196
Frequency	6	10	15	18	20	12	13

Represent the above data in the form of class intervals with their frequencies. Also, draw a histogram to represent the above data.

SECTION - E

(Case study based questions are compulsory)

36. ABCD is a rhombus where $\angle ADC = 120^\circ$. There are two fire stations at C and D and fire is reported at O.



Based on the above information, answer the following questions :

- Which fire station team can reach early and why?
- How many triangles are there? Write the names of these triangles.
- Write one feature of rhombus.

OR

- Do diagonals of a rhombus bisect each other at right angle?

37. In class of Euclid's Geometry teacher explained the basic geometrical concepts. He explained about axiom, theorem, corollary and statements.

Based on the above information, answer the following questions :

- Give an example of axiom.
- Give definition of theorem.
- What do you mean by corollary?

OR

- Define statement.

38. Komal finds radius r of a sphere during an experiment. For this she took a cylindrical container with radius $R = 7$ cm and height 10 cm. She filled the container almost half by water. Now she dropped a yellow sphere in the container. She observes the water level in the container raised from A to B equal to 3.4 cm.

Based on the above information, answer the following questions :

- What is the approximate radius of the sphere?
- What is the volume of the cylinder?
- What is the volume of the sphere?

OR

- How many litres water can be filled in the full container?



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11. The radius of a balloon increases from 4 cm to 8 cm as air is being pumped into it, then the ratio of the volumes of the balloons is :

- (a) 1 : 4 (b) 1 : 8
(c) 2 : 3 (d) 2 : 1

12. The mean of 100 observations is 50. If one of the observation which was 50 is replaced by 150, the resulting mean will be

- (a) 50.5 (b) 51
(c) 51.5 (d) 52.

13. The zero of polynomial $p(x) = ax + b$ is :

- (a) $\frac{b}{a}$ (b) $-\frac{b}{a}$
(c) $\frac{a}{b}$ (d) $-\frac{a}{b}$

14. Which of the points P (0, 3), Q (1, 0), R (0, -1), S (-5, 0) and T (1, 2) do not lie on x-axis ?

- (a) P and R only (b) Q and S only
(c) P, R and T (d) Q, S and T

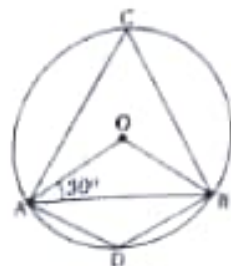
15. The equation $x = 7$ in two variables can be written as :

- (a) $x + 1.y = 7$ (b) $0.x + y = 7$
(c) $0.x + 0.y = 7$ (d) $1.x + 0.y = 7$

16. The angles of a triangle are in the ratio of 5 : 3 : 7, the triangle is :

- (a) an acute angled triangle
(b) an obtuse angled triangle
(c) a right angled triangle
(d) an isosceles triangle

17. In the given figure, $\angle OBC$ is equal to :



- (a) 20° (b) 30°
(c) 45° (d) 60°

18. In a frequency distribution, the mid-value of a class is 10 and the width of the class is 6. The lower limit of the class is

- (a) 6 (b) 7
(c) 8 (d) 12.

Direction : In the question number 19 and 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option

- (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 and 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.

19. **Assertion :** Point (4, -2) lies in 4th quadrant.

Reason : The perpendicular distance of a point from y-axis is called its abscissa.

20. **Assertion :** An exterior angle of triangle is equal to sum of two interior opposite angle.

Reason : If two angles are complementary of each other than each angle is acute angle.

SRI GURU HARKRISHAN PUBLIC SCHOOL
ASSIGNMENT OF RETAIL
CLASS – IX

Fill in the blanks:

1. Customer need to be about a variety of different product and services.
2. is very useful for moving small loads of merchandise around the store.
3. Many Retailers today use special for receiving of goods.
4. Storage is needed to adjust and supply of goods in the market.

Tick the correct options

5. The purpose of material handling/ management is
(a) To save time (b) Safety of goods
(c) Prevent conditions of goods from worsening. (d) All (a, b and c)
6. Examine the containers for while _____
(a) Damage including leaks, tears, broken seats (b) Receiving of sales floor
(c) Time of packing (d) None of the above
7. Goods means tangible item such as _____
(a) Article (b) Commodity (c) Material (d) All (a, b and c)

State whether its True or False

8. When the goods and services are sold from a physical place or store, it is called store retailing _____.
9. Goods mean intangible item such as _____.
10. Safety is not an important aspect of material handling _____.

Each question carries two marks.

11. Define the term 'Retail'?
12. Define consignment note?
13. Goods are relatively scarce tangible item, why?
14. What do you understand by the term 'Pallets'?
15. Which type of retail deals with multiple retail formats?

Each question carries three marks:

16. Explain the types of spaces needed and define the term allocating space?
17. Explain the procedure required for receiving goods?
18. Differentiate between customer and consumer?
19. Explain the elements of customer services?
20. What do you understand with standards of staff appearance? What precautions to be taken by female staff?

Answer any three questions out of five:

21. Explain the effective ways to build customer rapport?
22. Define handling of equipments? Elaborate its types, briefly?
23. What types of documents are required for stock handling?
24. What is the process of goods handling. Explain the material handling activities?
25. What techniques are used to store goods?
26. Explain briefly the Store retailing and the Non Store retailing?

Answer the following questions .Each question is of 1 mark. (1 x 10 = 10)

1. Quarter, half and full sleeve _____ must be covered at all times.
2. Designing _____ solutions for enhancing effectiveness of promotions and loyalty programs.
3. _____ is very helpful for moving small loads of merchandise around the store.
4. _____ must be given to dressing rooms, lay away areas severe desks and customer service facilities.
5. _____ note lists what is sent through the private career actually.

State whether it's True/False.

6. Only a frontline staff in the store should wear a prescribed uniform everyday_____
7. 'Expectations are the anticipated circumstances of purchase _____
8. Shipping consists of only transportation_____
9. The stock levels are also called inventory control_____
10. Invoices are normally sent with the loads of goods_____

SECTION B

Answer the given 05 questions. Each question is of 2 marks. (2x4=8)

1. Define stock and how to check stock level?
2. What is allocation of space?
3. What are the precautions to be taken by male staff?
4. Define floor plan?
5. What is a labelling machine?

Answer the given 05 questions. Each question is of 3 marks: (3x5=15)

6. Demonstrate how to arrange storage space?
7. What are the customers' expectations from retailer?
8. Explain the difference between customer and consumer?
9. Demonstrate the elements of customer service?
10. How should one deal with customers and colleagues?

SECTION C (1 x5= 5 marks)

(LONG QUESTIONS)

Answer any 1 question from the given 2 questions below:

12. Demonstrate how to prepare the list of documents required for stock handling?
13. Explain briefly the effective ways to build customer rapport?

1. अपठित गद्यांश
2. अपठित काव्यांश

1. अनुस्वार, अनुनासिक तथा नुक्ता
2. उपसर्ग, प्रत्यय से शब्द निर्माण
3. संधि
4. विराम चिह्न

SECTION 'A': READING (5 MARKS)

1. Read the following passage and answer the questions that follow:

1 X 5 = 5

- a) Electricity is the life force of modern world. The use of electricity in daily life at all levels is too expensive to be enumerated. Electric power has transformed human life into an amazing experience of convenience, luxury, comfort and incredible ease. A great power became the slave of a human finger's push. Push to a button brings the light on and the same act sets hundreds of thousands of gadgets in action. It simply is a miracle, very real and more bountiful than genie of the Aladdin's wonder lamp. The electricity revolutionized our houses, drawing rooms and kitchen with useful implements.
- b) The array of entertainment aids powered by electricity really created a fancy world around us. The coming into the existence of a power like electricity that obeyed the command of the human finger's touch inspired the inventions and innovations of a mind boggling range of electric implements. Infact, all the manmade machines or gadgets wholly or partly run on electricity.
- c) It created wonders of entertainment like cinema, radio, TV, VCD, DVD and other audio-video systems. The electricity helped man go to space, land on moon and harness natural powers and resources. The mining, construction, irrigation, transport, printing and other industrial activities are dependent on electric power. Even the computers won't work any wonders without the electricity. Today, the progress of a society or a nation or economy is so dependent on electric power that all the power generating resources and options are being exploited or explored. Oil, coal, water, air, sun light, tidal waves and atomic phenomena are being used for power generation. The research on hydrogen as fuel and controlled fusion process are going on at feverish pitch.
- d) The oil and coal are non-renewable resources. Hydel power has limitations as no new rivers can be created. Solar energy is yet costly to harness. The wind energy too has limitations. The tidal wave processes are yet at experimental stages. And so are hydrogen and fusion ideas. Conventional atomic energy clearly is the best pollution-free option but it entails the tricky problem of atomic waste disposal.

Answer the following questions based on the above paragraph:

1. To what wondrous world the electricity has transformed the human life?
2. What part of the human body controls the power of electricity?
3. What happens when the electricity is cut off in the modern-day city?
4. Why hydel power has limitations?
5. What are the good points and the bad about nuclear power generation?

(SECTION 'B': Writing and Grammar) :20 marks

Q3. Write a story in 150-200 words based on the clues given below:

(6marks)

You are Raghav/Ragini, the student editor of your school magazine. You have to write a short story titled 'The Magic Gold Fish' for your school magazine. Using the information given below along with your own ideas, write that story.

Hints: old fisherman ___ one day as usual cast his net into the sea ___ caught a gold fish ___ 'take pity on me and put me into water' ___ promised to compensate handsomely ___ fisherman returned home empty handed ___ wife angry ___ asked him for a new tub ___ went to the fish ___ wish granted ___ wife wished for a new home ___ gold fish granted ___ a new home ___ wife demanded marble palace, silk dresses and servants ___ wife not satisfied ___ wished to be a queen to rule over all lands and scar ___ fisherman went to fish ___ fish didn't speak and disappeared ___ came back home ___ found his wife washing clothes in old leaking tub before her old wooden hut.

Q4. Write a paragraph in about 150-200 words on the following topic: "How you felt when you reached the Examination Hall late".

(6 marks)

Q.5. Read the sentence given below and fill in the blanks by choosing the most appropriate options from the ones that follow: (0.5x4=2 marks)

Birds and animals live in the lap (a) _____ nature and can predict the likely changes accurately. Swallows usually fly high (b) _____ the sky. But during a storm, they come down (c) _____ fly close to the ground. If they fly low you (d) _____ be sure of strong winds. Even a toad can be a reliable weatherman.

- a. (i) in (ii) of (iii) on (iv) for
b. (i) in (ii) of (iii) on (iv) to
c. (i) nor (ii) or (iii) but (iv) and
d. (i) would (ii) should (iii) might (iv) could

Q.6. The following passage has not been edited. There is one error in each line against which a blank has been given. Write the incorrect word and the correction in your answer sheet against the correct blank number as given in the example. Remember to underline the word that you have supplied.

(0.5x4=2 marks)

	Incorrect word	Correct
People of diverse culture lives	(a) _____	_____
Together in India. There is many	(b) _____	_____
People who exhibit units on diversity	(c) _____	_____
They celebrated different festivals	(d) _____	_____
Together.		

Q.7. Rearrange the jumbled words and phrases into meaningful sentences.

(1x4=4marks)

1. Need/we/and/companionship/company/all
2. Be/companionship/a/life/good/burden/without/would
3. Is/ companionship/first/the/kind/of/family
4. Family/us/provides/great/a/system/support

SECTION 'C' (Literature /Textbooks: 25 Marks)

Q.8. Read the passage given below and answer the questions that follow:

(1x3=3marks)

Remember no men are strange, no countries foreign
Beneath all uniforms, a single body breathes
Like ours' the land on brothers walk upon
The earth like this, in which we all shall lie.

- (a) What breathes beneath all uniform?
(b) Explain, "in which we all shall lie"?
(c) Name the poem and the poet?

Q.9. Answer the following questions in 30-40 words each. (2x6=12 marks)

1. What made Sharapova determined and mentally tough?
2. What is the meaning of 'bleeding bark' What makes it bleed?
3. What was the most spiritual and proud moment for Santosh Yadav?
4. Why did the last leaf not fall?
5. Why did the author keep visiting the remains of the house
6. Why does Vikram Seth call flute music the most universal and most particular of sounds?

Q10. Begging is a menace at the places of devotion and worship. Comment with reference to temples in Kathmandu (1x5=5marks)

OR

Describe the role of Sue in saving her friend's life?

Q11. How did the author feel after he went to his new school after the fire tragedy in the house? (1x5=5marks)

OR

"If I chose a correct and a rational path, the others around me had to change, not me", said Santosh Yadav. How does her life justify her words?



Tick (✓) the correct option:

1. Which estates enjoyed privileges by birth?

- a) Clergy. b) Nobility
c) The third estate. d) both a and b

2. Which of the following is not a local name of the shifting cultivation?

- a) Jhum. b) Kharif
c) Tavy. d) Milpa

3. For pastoralists, entry into the forests were limited and specified by:

- a) Country laws. b) Permits
c) Tax. d) Orders

4. Name the direct tax levied on the third estate.

- a) Taille. b) Livre
c) Custom duty. d) None of the above

5. Who among the following were well known skilled forests cutters?

- a) Massis of Africa. b) Kalangs of Java
c) Gonds of Odisha. d) None of the above

6. Where are the Sundarbans located?

- a) West Bengal. b) Odisha
c) Andhra Pradesh. d) none of the above

7. The wular lake is in:-

- a) Jammu and Kashmir. b) Rajasthan
c) Goa. d) Jharkhand

8. The plateau is triangular in shape:-

- a) Deccan. b) Malwa
c) Chotanagpur. d) Shilong

9. In which of the following water bodies are Lakshadweep islands situated?

- a) Arabian Sea. b) Bay of Bengal
c) Indian Ocean. d) Atlantic Ocean

10. A river along with its tributaries is known as:-

- a) River system. b) Delta
c) George. d) Estuaries

Correct the statement:

11. In the early nineteenth century, the colonial state thought that forests were productive.
12. Godavari is the smallest peninsular river.

Question number 13 to 16 carry 2 marks each.

13. Which three main river systems helped in forming Northern Plains?
14. How many plant and animal species are approximately found in India?
15. Which commercial crops were grown by British after deforestation?
16. Who are Banjaras?

Question number 17 to 20 carry 3 marks each.

17. What restrictions were imposed by the Dutch in Java forest laws?

OR

What do you understand by the Genocidal War in Germany?

18. Describe the seasonal movement of Gaddi Shepherds of Himachal Pradesh.
19. Distinguish between Moist Deciduous and Dry Deciduous forest.
20. What is migration? Which are the two types of migration? Describe the trends of migration in India.

Question number 21 and 22 carry 5 marks each.

21. Describe why the Konkani peasants welcome the Dhangars.

OR

Explain any five causes of deforestation in India under the colonial rule.

22. Why are forests important for human beings?

OR

What is density of population? Give India's population distribution by density with the reasons responsible for the same.

23. Read the passage given below and answer the questions that follows:-

Bastar is located in the Southern most part of Chhattisgarh and borders Andhra Pradesh, Odisha and Maharashtra. The central part of Bastar is on a plateau. A number of different communities live in Bastar such as Maria and Muria Gonz, Dhurwas, Bhatras and Halbas. They speak different languages but share common customs and beliefs. Each village knows where its boundaries lie, the local people look after all the natural resources within that boundary. If people from a village want to take some wood from the forests of another village, they pay small fee called devsari, dand or man in exchange. Some villages also protect their forests by engaging watchman and each household contributes some grain to pay them.

1. Where is Bastar located?
2. Which communities live in Bastar?
3. If the forest people want to take some wood from the forest of another village, they have to pay a small fee called _____
4. Villagers hired watchmen to protect their villages. How did they pay them?

24. Read the passage given below and answer the questions that follow:-

On the basis of the availability of water, Tropical Deciduous forests are further divided into moist and dry deciduous. The former is found in areas receiving rainfall between 200 and 100 cm. These forests exist, therefore mostly in the Eastern part of the country-north Eastern states, along the foothills of the Himalayas, Jharkhand, West Odisha and Chhattisgarh and on the eastern slopes of the Western ghats. Bamboos, sal, Shisham, Sandalwood, Khair, Kusum, Arjun, Mulberry are other commercially important flora species.

1. Mention any two commercially important species.
2. Tropical Deciduous Forests are divided into how many categories?
3. Name any two reasons where moist deciduous forests are found.
4. How much rainfall is there in Tropical Deciduous forest?

Class- 9th

Subject- Social Science

Assignment

(History and Geography)

Write the following questions:-

Very short questions

1. Who formed the first and second estates of French society?
2. What was Holocaust?
3. What were criminal tribes forced to do by the British?
4. Which rivers are called perennial?
5. What does census mean?

Long and short questions

6. Who was 'Father Gapon'? Narrate the events leading to the 'Bloody Sunday' incident and the 1905 revolution.
7. What do you know about the Mahanadi river?
8. How were forests classified on the basis of the Forest Act, 1878?
9. How were the criminal tribes controlled by the British government?
10. What do you mean by growth of population? How is it calculated?

Assignment

(Economics and Civics)

Very short questions

1. In which country women do not have the right to vote?
2. What does Apartheid mean?
3. What are By Elections?
4. What are market activities?
5. What does food security mean?

Long and short questions

6. What do you know about voter's ID card?
7. Who are the major functionaries in India?
8. What is the role of health in human capital formation?
9. Discuss the major reasons for poverty in India.
10. What are the dimensions of food security?

I. Solve the following table with suitable formulas: -

2x10=20

A	B	C	D	E	F	G	H	I
Sno	Name	Hindi	English	Science	Maths	Biology	Total	Average
1	Amit	65	84	33	30	69		
2	Deepak	31	41	87	57	35		
3	Chetna	77	48	72	35	65		
4	Firoz	76	79	33	73	76		
5	Gagan	41	93	52	87	29		
6	Meena	90	84	92	43	54		
7	Nikki	30	90	39	44	59		
8	Tejpal	93	74	42	84	48		
9	Vinay	62	81	74	93	86		
10	Yusuf	27	27	28	61	48		

I. Solve the following table with using examples given in Row 2: -

2x10=20

	A	B	C	D	E	F	G	H
1	Sno	Name	Basic Salary	TA (6%)	DA (14 %)	HRA (10%)	CPF (3%)	Gross Salary
2	1	Amit Sharma	12000	=C2*6/100	=C2*14/100	=C2*10/100	=C2*3/100	=SUM(C2:G2)
3	2	Deepak Gautam	9000					
4	3	Chetna Agrawal	15000					
5	4	Firoz Khan	8500					
6	5	Gagan Tomar	15600					
7	6	Meena Kumari	9800					
8	7	Nikki Khanna	16500					
9	8	Tejpal Singh	14600					
10	9	Vinay Kumar	14900					
11	10	Yusuf Pathan	12800					

Assignment for Class IX (Term 2)

Sound (Physics)

1. What is sound?
2. with the help of an activity show that vibrating objects produce sound.
3. How does sound propagate in a medium?
4. Why are sound waves called as mechanical wave?
5. Propagation of sound can be visualized as propagation of density variations or pressure variations in the medium. Comment.
6. Sound cannot travel through vacuum, demonstrate by an experiment.
7. With the help of an activity show that SOUND WAVES ARE LONGITUDINAL WAVES
8. Light is a transverse wave but it is not a mechanical wave. Why?
9. Differentiate between longitudinal and transverse wave.
10. How can we describe a sound wave?
11. Diagrammatically represent that Sound propagates as density or pressure variations
12. Show the sound wave in graphic form
13. A violin and a flute may both be played at the same time in an orchestra. Both sounds travel through the same medium, that is, air and arrive at our ear at the same time. Both sounds travel at the same speed irrespective of the source. But the sounds we receive are different. List the characteristics of sound which make them different from each other. On what factors do they depend.
14. How is a high pitched sound different from a low pitched sound. Support your answer graphically.

15. How is a louder sound different from a softer sound. Support your answer graphically
16. How can we distinguish one sound from another having the same pitch and loudness.
17. Differentiate between a tone and a note.
18. Differentiate between a musical sound and noise.
19. We sometimes use the terms "loudness" and "intensity" interchangeably, are they the same. Comment.
20. The sound of a thunder is heard a little later than the flash of light is seen.
21. On what factors does the speed of sound depend?
22. Write a short note on sonic boom.
23. With the help of an activity show that sound waves follow laws of reflection.
24. What is echo?
25. For hearing distinct echoes, what should be the minimum distance of the obstacle from the source of sound?
26. What is the cause of rolling of thunder?
27. What is reverberation? How is it reduced?
28. Give few uses of multiple reflection of sound.
29. Megaphones or loudhailers, horns, musical instruments such as trumpets and *shehanais*, send sound in a particular direction without spreading it in all directions How?
30. How does the sound of the patient's heartbeat reaches the doctor's ears in stethoscopes?
31. The ceilings of concert halls, conference halls and cinema halls are curved. Why?
32. What is the audible range of sound for human beings?
33. We can not hear the vibrations of a pendulum while the vibrations of the wings of a bee are audible to us. Why?
34. It is observed that some animals get disturbed before earthquakes. How?
35. How are moths able to escape capture?

36. How is infrasonic wave different from ultrasonic wave?
37. Discuss few applications of ultrasound in industries and medicine.
38. Ultrasounds are able to travel along well defined paths even in the presence of obstacles.
39. Ultrasound is generally used to clean parts located in hard-to-reach places. How?
40. Ultrasounds can be used to detect cracks and flaws in metal blocks. How?
41. Name the instrument which uses ultrasonic waves for getting images of internal organs of the human body. How does it function?
42. What is ultrasonography? Give its uses.
43. What is echocardiography?
44. What is SONAR. Name the three parameters which can be measured using it. How does the sonar work? What is this technique called and why?
45. How do bats search out prey and fly in dark night?
46. How do we hear?
47. Draw the well labeled diagram showing the internal structure of human ear.

SRI GURU HARKRISHAN PUBLIC SCHOOL

December Examination

Class - IX

Sub- Science

Max. Marks- 50

Part A

Multiple Choice Question

(1x16=16)

1. Which one of the following is correct electronic configuration of Sodium?

- a) 2,8 b) 8,2,1 c) 2,1,8 d) 2,8,1

2. Rutherford's alpha-particle scattering experiment was responsible for the discovery of

- a) Atomic nucleus b) Electron c) Proton d) Neutron

3. Name the suicidal bags of the cell.

- a) Plastids b) Mitochondria c) Vacuole d) Lysosomes

4. At what place on the earth's surface is the weight of body maximum?

- a) At poles b) At equator c) same everywhere d) At centre

5. What is audible range of the average human ear?

- a) 20Hz to 200Hz b) 20Hz to 2000Hz c) 20Hz to 20,000Hz
d) 2Hz to 200Hz

Assertion and Reason Questions

Directions- In each of the questions given below, there are two statements marked as Assertion and Reason. Mark your answer as per the correct option.

a) Both Assertion and Reason are true and reason is the correct explanation of the reason.

b) Both Assertion and Reason are true but Reason is not the correct explanation of the assertion.

c) Assertion is true but Reason is false.

d) Assertion is false but Reason is true

e) Both Assertion and Reason are false

6. Assertion : The flash of lightening is seen before the sound of thunder is heard.
Reason : Speed of sound is greater than speed of light.

7. Assertion : Universal gravitational constant G is a scalar quantity.
Reason : The value of G is same through out the universe.

Answer in one word

8. Which wave property determines

a) Loudness b) Pitch

9. What is the range of frequencies associated with

a) Infrasound b) Ultrasound

10. Which characteristic of sound helps you identify your friend by his voice while sitting with others in dark room?

11. Name biotic and abiotic factors that affect crop production.

Case- Study

Read the passage and answer the following questions.

All living Organisms are made up of cells and these cells perform all the functions essential for the survival of the Organism eg. Respiration, digestion, excretion etc. In Unicellular organisms, a single cell carries out all these functions and in multicellular organisms different group of cells carry out different functions.

Cells were first discovered by Robert Hooke in 1665. He observed the cells in a cork slice with the help of a primitive microscope. Leeuwenhoek (1674), with the improved microscope, discovered the free living cells in pond water for the first time. It was Robert Brown in 1831 who discovered the nucleus in the cell. Purkinje in 1839 coined the term 'protoplasm' for the fluid substance of the cell.

(12) Who discovered the cell?

- (a) Robert Hooke
- (b) Leeuwenhoek
- (c) Robert Brown
- (d) T. Schwann

(13) Who discovered the nucleus in the cell?

- (a) Robert Hooke
- (b) Leeuwenhoek
- (c) Robert Brown
- (d) T. Schwann

(14) Who coined the term 'Protoplasm'?

- (a) Robert Hooke
- (b) Leeuwenhoek
- (c) Robert Brown
- (d) Purkinje

(15) What is protoplasm?

- (a) Unit of life
- (b) Cell organelle
- (c) Fluid substance of the cell.
- (d) Cytoplasm

(16) Which of these statement is true about the cell?

- (a) All organism are made up of cell
- (b) Cell is the basic unit of life
- (c) Cell is responsible for different metabolic functions
- (d) All above

Part-B

Each of the following question carries 2 marks (2x5=10)

17. Distinguish between Isotopes and Isobars with the help of examples.

18. Calculate the wavelength of a sound wave whose frequency is 220 Hz and speed is 440m/s in a given medium.

19. What is reverberation? How can it be reduced?

20. A ball is thrown vertically upwards with a velocity of 49m/s. Calculate

i) the maximum height to which it rises

ii) the total time it takes to return to the surface of the Earth.

21. A stone is thrown vertically upward with an initial velocity of 40m/s. Taking $g=10$ m/s, find the maximum height reached by the stone. What is the net displacement and the total distance covered by the stone?

Part-C

Each of the following question carries 3 marks (3x3=9)

22. Write down the electronic configuration and valency of the following

a)Chlorine b)Sulphur c)Argon

23.Explain how defects in a metal block can be detected using ultrasound with diagram.

24. What happens to the force between two objects, if

i) the mass of one object is doubled?

ii)the distance between the object is doubled and tripled?

iii)the masses of both objects are doubled?

Part-D

Each of the following question carries 5marks (5x3=15)

25.Explain the working and application of SONAR.

26.Describe Bohr's model of the atom with the help of diagram

27.Cite an experiment to show that sound needs a material medium for its propagation with suitable sketch.