

CHARAN'S PUBLIC SCHOOL

CAMBRIDGE LAYOUT , BANGALORE - 560008

CHRISTMAS HOLIDAY HOME WORK

X STD

Christmas Holidays commences from **24th December,2020**.School reopens on **4th January 2021**.Please return the HOLIDAY HOMEWORK notebook duly completed to the class teacher on **04.01.2021**

Name of the student : _____

CHARAN'S PUBLIC SCHOOL

Important questions : English

18/19

Prose - 1 A wrong man in worker's paradise

- 1 Who had brought the artist to the workers paradise? (1)
- 2 Where did the girl go everyday to fill her pitcher? (1)
- 3 Why did the idler - artist want the pitcher?(1)
- 4 How did the girl start wasting her time? (1)
- 5 What does "moving finger" mean? (1)
- 6 Why did the girl of the silent torrent feel sorry for the man. (2)
- 7 Why did the elders of the workers paradise become anxious? (2)
- 8 what made the people of workers paradise realise that the men was not right for that place? (2)
- 9 what did the girl do with the ribbons? (2)
- 10 "But the moving finger writes even in heaven". (3)
- 11 " When she set out for the torrent the next day her hurrying feet were little less hurried than before?" (3)

Poem-1 To a pair of sarus cranes

20/12

- 12 How was the majestic neck humbled by the hunter? (2)
- 13 How is the callousness of bird killers brought out in the Poem? (2)
- 14 How is the end of the female crane suggested in the Poem? (2)
- 15 write the summary of the Poem "To a pair of Sarus crane"? (4) .

Prose - 2 The Elixir of life

- 16 What is the imaginary elixir of life? (1)
- 17 What is the main cause of soil erosion? (1)
- 18 What is the wonderful difference the writer talks about while describing the Nile valley? (2)
- 19 How will the development of hydro electric power help to overcome inadequacy of water supply? (2)
- 20 How does C. V. Raman shows that water is the real elixir of life? (3)
- 21 What does C. V. Raman say about rain-fed tanks?
- 23 What are the various causes of soil erosion? How can we prevent it?

Poem-2 Abraham Lincoln's letter to his son's teacher

22/12

- 24 Why doesn't Lincoln want his son to follow the crowd? (2)
- 25 Lincoln does not want his son to put a price tag on his soul, what does she mean by this? (2)
- 26 In what sense it is more honourable to fail than to cheat? (3)
- 27 Why does Lincoln want his son's teacher to mould his son? (3)
- 28 Teach him that for every enemy there is a friend, it will take time I know. (reference 3)
- 29 Only the test of fire makes fine steel. (3)
- 30 List all the values which the poet father wants the teacher to teach his son:(4)

Prose - 3 The gift of magi

- 31 What did Della buy for Jim? (1)
- 32 Why was the fob chain worth purchasing? (1)
- 33 How did Della save her one dollar and eighty seven cents? (1)
- 34 What were the most precious possessions of Jim and Della? (2)
- 35 Jim and Della both gave up something dear to them? What does it tell us about them? (2)
- 36 How has the writer compared Jim's watch to king Solomon's treasures? (2)
- 37 Why did Della decide to sell her hair? (2)
- 38 Why are the gifts of Della and Jim compared to those of the magi? (3)
- 39 What did Della tell Jim when he kept staring at her in a shocked manner? (3)
- 40 A mathematician or wit would give you the wrong answer? (3)(reference)
- 41 Take you hat off and let's have a sight at the looks of it. (3) (reference)

Poem- 3 Vachana

24/12

- 42 Who is lord koodalasangamadeva? (1)
- 43 What are the feelings of the speaker suggests in the question "what shall I a poor man do? (1)
- 44 Why did the poet compares human body to a temple. How did he compare? (3)
- 45 what ideas of spirituality emerge from the study of this well known Vachana? (3)
- 46 Write the Poem" Vachana".? (4)

Prose -4 Louis Pasteur, conqueror of diseases.

- 47 What is the very useful discovery of Pasteur? (1)
- 48 Who treats the diseases of kidneys? (1)
- 49 What are bacteria? (1)
- 50 What does spontaneous generation mean? (2)
- 51 What is pasteurization? (2)
- 52 How was Pasteur better scientist than Jenner? (2)
- 53 What discoveries did Pasteur make about yeast ? (2)
- 54 What were troubling the French wine growers? How did Pasteur solve their problem? What is the name of the process which was the solution to the wine grower? (3)
- 55 Pure air is different from stale air. How did Pasteur prove this? (3)
- 56 Germs are carried in the air and may infect other things that come in contact with them? (3)
- 57 How did Pasteur develop the idea of immunity? (3)
- 58 If you can cure animals, you can cure my son. (3) (reference)

Poem - 4 Lochinvar

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- 59 How did Ellen express her love towards Lochinvar? (2)
- 60 Who was Lochinvar? Why did he ride to Netherby Hall? (2)
- 61 How did the bride's father receive Lochinvar and what did he ask him? (2)
- 62 How did Lochinvar finally win Ellen for himself? (3)
- 63 Only the brave deserve the fair. Justify the statement with reference to the Poem? (3)
- 64 Love swells like Solway but ebbs like it's tide? (3) reference
- 65 Write first 4 paragraph of poem? (4)

Prose-5 What is Moral action?

- 66 Gandhiji says that our conventional behaviour is _____ (1)
67 What is the passionate prayer of St. Francis Xavier? (1)
68 What is non moral action? (2)
69 Why does Gandhi say that Alexander's conquests cannot be called moral Actions? (2)
70 what is the difference between a mechanical and an intentional act? (2)
71 When does an employer's action of paying higher salaries to his employees remain non-moral? (2)
72 Write on Mahatma Gandhi's comments on action prompted by motive of happiness in another world? (3)
73 Why does Gandhiji say that a moral act should be done without compulsion? (3)

Poem-5 Poison tree

29/12

- 74 What happened when the speaker expressed his anger? (1)
75 What happened when the speaker suppressed his anger? (1)
76 Was the speaker right in being 'glad' at his foe's death? Why, why not? (2)
77 Who do say think dies at the end. Is it only the enemy? Does the speaker also die, what kind of death does he die? (2)
77 How does the speaker use the image of a tree to bring out the image of a tree to bring out the destructive effect of suppressed anger? (3)
78 And I stunned it with smiles and with soft deceitful wiles. (3) (reference)
79 Quote from memory "poison tree". (4)

Prose - 6 The eyes are not here

- 80 Did the girl realise that the narrator was blind? (1)
81 The story ends with revelation. What is the revelation? (2)
82 How could the narrator being blind describe Mussoorie? (2)
83 Everyone thinks, he could outwit anyone but sometimes he himself is outwitted by others. Substantiate this with reference to the story? (3)
84 You may break, you may shatter, the vase if you will but the scent of the roses will linger there still. (3) reference

Prose 7 The girl who was Anne Frank

31/12

- 85 Who was Mr Vandann?(1)
86 When and where Meip find Anne's diary? (1)
87 What is the stage of life between childhood and adulthood? (1)
88 What is the building that is added to a large one? (1)
89 Why did Otto Frank decide to migrate to Netherlands. Give two reason? (2)
90 Why does Mr Frank take many weeks to read the diary? (2)
91 Where did Otto Frank and others hide themselves in? (2)
92 What qualities of Mr Frank did his staff admire? (2)
93 How did Anne's diary open the eyes of Germans to the viciousness of racial persecution ? (3)
94 What glimpses of Nazi cruelty do you see in this write up? (3)

- 95 "In spite of everything, I still believe That people are really good at heart. (3)
96 I have read Anne Frank's diary(3) (reference)

Poem-7 The stolen boat

- 97 What stealthy act does the boy commit? (1)
98 How many peaks are mentioned in the Poem. Which one is bigger? (2)
99 Why did Wordsworth say That his moving the boat is an act of stealth? why was he guilty of his act? (3)
100 Describe the effect of spectacle of peak had on the poet's mind? (3)

Prose - 9 The Consumerist culture

2/1

- 101 What do advertisement aims at? (1)
102 What thrills the present day Indian shoppers thrilled at? (1)
103 what negative impact will the free market economy have on our country? (1)
104 What is the success story of Pepsi and Coca cola? (2)
105 What is the dream come true for the US returned Indian? (2)
106 Man today is unstoppable buying machine. Elucidate with example? (3)
107 Write a short note on the views expressed by the writer on the tragic comedy of development. Why does he call it tragic comedy? (3)

Poem-9 Buttoo

- 108 why had Buttoo gone to Dronacharya!? (1)
109 What did Drona seek from Buttoo as recompense? (1)
110 Why did Buttoo revere Drona as his master? (2)
111 Write down any 5 great qualities of Buttoo? (3)
112 Was Drona unfair in his demand? (3)

Prose - 10 The pie and the tart

3/1

- 113 What according to Pierre is a sure sign of starvation? (1)
114 What makes Pierre say that the eels give themselves upto Gaultier? What does it tell you about the baker? (2)
115 Why did the vagabond go back to the bakery after eating the pie? (2)
116 How was Marion going to identify Gaultier's messenger? (2)
117 How are Jean and Pierre similar? (3)

Poem-10 C. L. M

- 118 What is the most dominant feeling of the poet in this poem? (1)
119 Why has the word 'Birth' been capitalised? (2)
120 Write the summary of the Poem C. L. M(4)

ಪಾಠ-1-ಒಣ ಮರದ ಗಿಳಿ

- 1] ಬೇಡನು ಪ್ರಾಣಿಗಳನ್ನು ಕೊಳ್ಳಲು ಮಾಡುತ್ತಿದ್ದ ಉಪಾಯವೇನು? [1] 18/112
- 2] ವಿಷದ ಬಾಣವು ಮರಕ್ಕೆ ಏಕೆ ತಗುಲಿತು? [1]
- 3] ವಿಷದ ಬಾಣವು ಮರಕ್ಕೆ ತಗುಲಿದ್ದರಿಂದದ ಪರಿಣಾಮವೇನು? [1]
- 4] ಇಂದ್ರನಿಗೆ ಗಿಳಿಯನ್ನು ಕಂಡು ಅಶ್ಚರ್ಯವಾದದ್ದು ಏಕೆ? [1]
- 5] ಇಂದ್ರನು ತನಗಾದ ಸಂತೋಷವನ್ನು ಯಾವ ರೀತಿ ಪ್ರಕಟಿಸಿದನು? [1]
- 6] ಮರವನ್ನು ಬಿಟ್ಟು ಹೋಗದೆ ಇರಲು ಗಿಳಿಯ ನೀಡದ ಸಮರ್ಥನೆ ಏನು? [1]
- 7] ಸಾಮಾನ್ಯವಾದ ಲೋಕವಾರ್ತನೆ ಯಾವುದು? [2]
- 8] ಗಿಳಿಯು ಇಂದನನ್ನು ಯಾವ ವರ ಕೇಳಿತು? [2]

ಸಂದರ್ಭ ವಿವರಿಸಿ: [3]

- 9] ಇಂತಹ ಓಣಮರದಲ್ಲಿ ಏಕೆ ವಾಸ ಮಾಡುತ್ತಿದ್ದೀಯಾ
- 10] ಅದರ ಈಗಿನ ಅವಸ್ಥೆಯನ್ನು ನಾನು ನೋಡಲಾರೆ.
- 11] ಕವಿ ಪರಿಚಯ: ಆ. ರಾ. ಮಿತ್ರ [3]
- 12] ಗಿಳಿಯು ಪರಹಿತಕಾಂಕ್ಷಿ ಎನಿಸಿಕೊಂಡದ್ದು ಹೇಗೆ? [4]

ಪಾಠ-2- ಅಸಿ- ಮಸಿ-ಕೃಷಿ

20/12

- 13] ದೇಶದ ಉದ್ಧಾರ ಯಾರು ಯಾರನ್ನೂ ಅವಲಂಬಿಸಿದೆ ಎಂದು ಲೇಖಕರು ಹೇಳಿದ್ದಾರೆ? [1]
- 14] ಅಸಿ-ಮಸಿ ಎಂದರೇನು? [1]
- 15] ಈ ನಾಡಿನ ಬೆನ್ನೆಲುಬು ಯಾರು? [1]
- 16] ಶ್ರೀ ಪಂಡಿತಾರಾಧ್ಯ ಶಿವಾಚಾರ್ಯರು ಏನೆಂದು ಖ್ಯಾತರಾಗಿದ್ದಾರೆ? [1]
- 17] ಶ್ರೀ ಪಂಡಿತಾರಾಧ್ಯ ಶಿವಾಚಾರ್ಯರಿಗೆ ರೋಟರಿ ಸಂಸ್ಥೆ ಯಾವ ಪ್ರಶಸ್ತಿ ನೀಡಿದೆ? [1]
- 18] ದೇಶದ ಅಭಿವೃದ್ಧಿ ಕುರಿತು ಜನರಾಡುವ ಮಾತುಗಳಾವುವು? [2]
- 19] ನಮ್ಮ ದೇಶದ ರಕ್ಷಣಾ ಪದೇ ಏಕೆ ಪ್ರಬಲವಾಗಿರಬೇಕು? [2]
- 20] ಪೆನ್ನು ಖಡ್ಗಕ್ಕಿಂತ ಹರಿತವಾದುದು ಏಕೆ? [2]
- 21] ರೈತರು ಎದುರಿಸುತ್ತಿರುವ ಸಮಸ್ಯೆಗಳಾವುವು? [2]
- ಸಂದರ್ಭ ವಿವರಿಸಿ: [3]
- 22] ವೈವಾಸಾಯ ಇಲ್ಲದಿದ್ದರೆ ದೇಶದ ಆಟವೇ ನಡೆಯದು.
- 23] ಅವರು ಯಾರಿಗೂ ಮೋಸ, ವಂಚನೆ ಮಾಡುವವರಲ್ಲ.
- 24] ದೇಶ ಬಜೆಟ್‌ನಲ್ಲಿ ರಕ್ಷಣಾ ಇಲಾಖೆಗೆ ಹೆಚ್ಚಿನ ಹಣವನ್ನು ಏಕೆ ಮೀಸಲಾಗಿಡುತ್ತದೆ? [4]
- 25] 'ಕೃಷಿಕ ನಾಡಿನ ಬೆನ್ನೆಲುಬು'- ಈ ಮಾತನ್ನು ಸಮರ್ಥಿಸಿರಿ? [4]

- 26] ಪುಟ್ಟರಾಜರ ತಂದೆ ತಾಯಿಗಳ ಹೆಸರೇನು? [1]
27] ಶ್ರೇಷ್ಠ ಗುರುವಿನಲ್ಲಿ ಎಂತಹ ಶಕ್ತಿ ಇರುತ್ತದೆ? [1]
28] ತಾಯಿ ಸಿದ್ಧಮ್ಮ ಪಂಚಾಕ್ಷರಿ ಗವಾಯಿಗಳಲ್ಲಿ ಏನೆಂದು ಬೇಡಿಕೊಂಡಳು? [1]
29] ಪುಟ್ಟರಾಜರು ಯಾವ ಯಾವ ಭಾಷೆಗಳಲ್ಲಿ ಪಾಂಡಿತ್ಯ ಗಳಿಸಿದ್ದರು? [1]
30] ಪುಟ್ಟರಾಜರು ಖಾದಿ ಬಟ್ಟೆ ತೊದಲು ನಿರ್ಧರಿಸಿದ್ದು ಏಕೆ? [1]
31] ಬಾಲಕ ಪುಟ್ಟಯ್ಯ ಕಣ್ಣುಗಳನ್ನು ಕಳೆದುಕೊಂಡದ್ದು ಹೇಗೆ? [2]
32] ಪುಟ್ಟರಾಜ ವೇಷಭೂಷಣಗಳು ಹೇಗಿದ್ದವು? [2]
33] ಪುಟ್ಟರಾಜರಿಗೆ ದೊರೆತ ಗೌರವ ಪ್ರಶಾಸ್ತಿಗಳಾವುವು? [2]
ಸಂದರ್ಭ ವಿವರಿಸಿ: [3]
34] ಮಗು ಇಂದಿನಿಂದ ಇದು ನನ್ನ ಹಾರ್ಮೋನಿಯಂ ಅಲ್ಲ.
35] ಅವನು ಬಂದರೆ ಕರೆದುಕೊಂಡು ಹೋಗು ತಾಯಿ
36] ಬಾಲಕ ಪುಟ್ಟಯ್ಯ ಹಾರ್ಮೋನಿಯಂ ನುಡಿಸಿದ ಪ್ರಸಂಗ ವಿವರಿಸಿ?

- 37] ಸಸ್ತನಿಗಳ ಅಶ್ರಯಾದನಗಳು ಯಾವುವು? [1]
38] ಅಶ್ವಶ್ಯತೆ ಆಚರಿಸುವ ಮನುಷ್ಯನಿಗೆ ಹಕ್ಕಿಗಳು ಯಾವ ಪಾಠ ಹೇಳುತ್ತದೆ? [1]
39] ಹಕ್ಕಿಗೂಡಿನಲ್ಲಿ ಯಾವುದರ ಸಮನ್ವಯತೆ ಇದೆ? [1]
40] ಹಕ್ಕಿಗಳು ಗೂಡು ಕಟ್ಟುವ ಸಾಮರ್ಥ್ಯಕ್ಕೆ ಮಿತಿಯೋಡ್ಡುವ ಅಂಶಗಳಾವುವು? [1]
41] ಅಮೇರಿಕದಲ್ಲಿ ಗ್ಯಾನೆಟ್ ಕಡಲಹಕ್ಕಿ ಗೂಡನ್ನು ಯಾವ ರೀತಿ ಅಲಂಕರಿಸುತ್ತದೆ? [1]
42] ಹಕ್ಕಿಗೂಡಿನಲ್ಲಿ ಬದುಕಿನ ಯಾವ ಯಾವ ಅನುಭವಗಳಿವೆ? [2]
43] ಹಕ್ಕಿಗಳು ಗೂಡನ್ನು ಎಲ್ಲೆಲ್ಲಿ ಕಟ್ಟಬಲ್ಲವು? [2]
44] ಹಕ್ಕಿಗಳು ಗೂಡನ್ನು ನಿರ್ಮಿಸುವ ಉದ್ದೇಶವೇನು? [2]
45] ಹಕ್ಕಿಗಳು ಗೂಡುಗಳನ್ನು ಯಾವ ರೀತಿಯಲ್ಲಿ ಅಲಂಕರಿಸುತ್ತದೆ? [2]
ಸಂದರ್ಭ ವಿವರಿಸಿ: [3]
46] ಹುಟ್ಟಿದ ಮಕ್ಕಳಿಗೆ ಬದುಕಿನ ಪಟ ಹೇಳುವ ಶಾಲೆ ಅದು.
47] ಇಲ್ಲಿ ವಾಸ್ತುಶಿಲ್ಪಿಯ ಕಲ್ಪನೆ ಸಾಕಾರಗೊಳ್ಳುತ್ತದೆ.

- 48] ಹೆಡ್ ಮಾಸ್ತರರು ಸಂತೋಷಗೊಡುಡು ಏಕೆ? [1]
49] ವಿದ್ಯಾರ್ಥಿಗಳು ಕಾಫಿ ಕುಡಿಯಲು ಎಂತಹ ಕಪ್ಪುಗಳನ್ನು ಆರಿಸಿಕೊಂಡರು? [1]
50] ಗುರುಗಳು ಹೇಳಿದಂತೆ ಕಾಫಿ ಮತ್ತು ಕಾಫಿಯ ಕಪ್ಪು ಯಾವುದರ ಪ್ರತೀಕಗಳು? [1]
51] ಗುರುಗಳು ಯಾವುದನ್ನು ದುರ್ದೈವದ ಸಂಗತಿ ಎಂದು ಬಣ್ಣಿಸಿದರು? [1]

- 52] ಗುರುರಾಜ ಕರ್ಜಗಿ ಅವರ ಅಂಕಣ ಬರಹದ ಶೀರ್ಷಕ ಯಾವುದು? [1]
 53] ಹೆಡ್ ಮಾಸ್ತರರು ತಂದಿಟ್ಟ ಟ್ರೇನಲ್ಲಿ ಯಾವ ಯಾವ ತರಹದ ಕವ್ಯಗಳಿದ್ದವು? [2]
 54] ಭಗವಂತ ಕೊಟ್ಟ ಈ ಬದುಕನ್ನು ಯಾವ ರೀತಿ ನಡೆಸಬೇಕೆಂದು ಗುರುಗಳು ಹೇಳಿದರು? [2]
 55] ಕವಿ ಪರಿಚಯ: ಗುರುರಾಜ ಕರ್ಜಗಿ [3]

ಪಾಠ-6- ನನ್ನ ಗೋಪಾಲ

- 56] ಗೋಪಾಲನ ಬೆಳಗಿನ ಮುಖ್ಯ ಕೆಲಸ ಯಾವುದಾಗಿತ್ತು? [1]
 57] ಗೋಪಾಲನಿಗೆ ಬಣ್ಣ ಬಣ್ಣದ ಹೂಗಳು ಹೇಗೆ ಕಾಣಿಸುತ್ತಿದ್ದವು? [1]
 58] ಗೋಪಾಲನ ಗೆಳೆಯನ ಹೆಸರೇನು? [1]
 59] ಗೋಪಾಲನೂ ಶಾಲೆಯಿಂದ ಮನೆಗೆ ಮರುಳುವಾಗ ಏಕೆ ಭಯಪಡುತ್ತಿದ್ದನು? [1]
 60] ಗೋಪಾಲನೂ ಹೊಸ ಪಂಚೆಯನ್ನು ಬಯಸಿದುದೇಕೆ? [1]
 61] ಕವಿ ಪರಿಚಯ: ಕುವೆಂಪು [3]

ಪದ್ಯ-1- ಏಣಿ 29/12

- 62] ಏಣಿ ಜನರಿಗೆ ಮಾಡಿದ ಉಪಕಾರವೇನು? [1]
 63] ಏಣಿಯನ್ನು ಬಳಸಿ ಮೇಲೇರಿದವರಿಗೆ ಏಣಿ ಹಾಕುವ ಸವಾಲು ಏನು? [1]
 64] ಕವಯತ್ರಿ ಯಾರನ್ನೂ ತ್ರಿಶಂಕುಗಳು ಎಂದು ಕರೆದಿದ್ದಾರೆ? [1]
 65] ಮೇಲೇರಿದವರು ತ್ರಿಶಂಕುಗಳು ಆಗುವುದು ಯಾವಾಗ? [1]
 66] ಏಣಿಗೆ ಬೀಳುವ ಭಯವಿಲ್ಲ ಏಕೆ? [1]
 67] ಏಣಿಯ ಸಹಾಯದಿಂದ ಮೇಲೇರಿದವರಿಗೆ ಏಣಿಯ ಉಪದೇಶವೇನು? [2]
 68] ಏಣಿ ಹೇಳಿಕೊಳ್ಳುವ ಕಷ್ಟಗಳೇನು? [2]
 69] ಮೇಲೇರಿದವನಿಗೆ ಏಣಿಯ ಮಹತ್ವ ಯಾವಾಗ ಅರಿವಾಗುತ್ತದೆ? [2]
 70] ಏಣಿ ತಾನು ಎಂಥವರಿಗೆ ಯಾವ ರೀತಿ ಸ್ಪಂದಿಸುತ್ತೇನೆಂದು ಹೇಳುತ್ತದೆ? [2]
 71] ಕವಿ ಪರಿಚಯ: ಸುಕನ್ಯಾ ಮಾರುತಿ [3]

ಪದ್ಯ-4- ಸದ್ದು ಮಾಡದಿರು!

- 72] ತೀಮೂರಕ್ಕೆ ವೈರಿ ಯಾವುದು? [1]
 73] ನಮ್ಮ ಕರ್ತವ್ಯಗಳನ್ನು ಹೇಗೆ ಮುಗಿಸಬೇಕೆಂದು ಕವಿ ಹೇಳಿದ್ದಾರೆ? [1]
 74] ಸದ್ದು ಮಾಡದೆ ಬಾಳಬೇಕು ಎಂಬುದಕ್ಕೆ ಕವಿ ನೀಡುವ ಹೋಲಿಕೆಗಳಾವುವು? [2]
 75] ಮಾನವನ ಬದುಕು ಕರ್ಪೂರದಂತೆ ಇರಬೇಕು ಏಕೆ? [2]
 76] ಕವಿ ಪರಿಚಯ: ಸಿ. ಪಿ. ಕೃಷ್ಣಕುಮಾರ್ [3]

- 77] ಮನಸ್ಸು ಅಳಿಯಾಸೆಗಳ ಸುಳಿಗೆ ಸುಲಿಗೆ ಸಿಲುಕಬಾರದು ಏಕೆ? [1]
 78] ನಮ್ಮ ದುಡಿಮೆಯ ಹೂವು ಫಲಿಸುವುದು ಯಾವಾಗ? [1]
 79] ಅಡುಗೆ ಹಗಲಿರುಳು ಯಾವುದಕ್ಕೆ ಹೊರಡಬೇಕೆಂದು ಹೇಳುತ್ತಾರೆ? [1]
 80] ಕವಿ ಪರಿಚಯ: ಎಂ. ಗೋಪಾಲಕೃಷ್ಣ ಅಡಿಗ [3]
 81] ಪದ್ಯ ಪೂರ್ಣಗೊಳಿಸಿ: ಒಂದು ಬಾಣಕ್ಕೆ _____ ಹಗಲಿರುಳು. [4]
 82] 'ಗುರಿ' ಪದ್ಯದ ಸಾರಾಂಶ ಬರೆಯಿರಿ? [4]

ಪದ್ಯ-6- ಮೂಡಲ್ ಕುಣಿಗಲ್ ಕೆರೆ

- 83] ಕುಣಿಗಲ್ ಕೆರೆ ಯಾವ ದಿಕ್ಕಿನಲ್ಲಿದೆ? [1]
 84] ತುಂಬಿದ ಕುಣಿಗಲ್ ಕೆರೆಯನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದ್ದಾರೆ? [1]
 85] ಕುಣಿಗಲ್ ಕೆರೆಯ ಅಂದವಣ್ಣಿ ನೋಡಲು ಯಾರು ಬಂದರೆಂದು ಉತ್ಪ್ರೇಕ್ಷಿಸಲಾಗಿದೆ? [1]
 86] ಕುಣಿಗಲ್ ಕೆರೆ ನೋಡುವವರಿಗೆ ಹೇಗೆ ಕಾಣುತ್ತಿತ್ತು? [2]
 87] ಬಾಳೆ ಮೀನುಗಳು ಬೊಬ್ಬೆ ಹೊಡೆಯಲು ಕಾರಣವೇನು? [2]

ಪದ್ಯ-7- ವಚನಗಳು

- 88] ಬಸವಣ್ಣನವರು ಜನರ ಯಾವ ಧಾರ್ಮಿಕ ನಂಬಿಕೆಗಳನ್ನು ಖಂಡಿಸಿದ್ದಾರೆ? [1]
 89] ವೇಷ ಮತ್ತು ಆಚರಣೆಗಳ ನಡುವಿನ ಸಂಬಂಧ ಹೇಗಿರಬೇಕೆಂದು ಸಿದ್ಧರಾಮ ಹೇಳುತ್ತಾರೆ? [1]
 90] ಕೆರೆಗಳು ನಿಷ್ಪ್ರಯೋಜಕ ಆಗುವುದು ಯಾವಾಗ? [1]
 91] ಧನವಿದ್ದವರಲ್ಲಿ ಇರಬೇಕಾದ ಗುಣ ಯಾವುದು? [1]
 92] ಪದ್ಯ ಪೂರ್ಣಗೊಳಿಸಿ: ನೀರ ಕಂದಲಿ _____ ಕೂಡಲಸಂಗಮದೇವ. [3]

ಪದ್ಯ-8- ನಿಟ್ಟೋಟದಲಿ ಹಾಯ್ನ ಬಿಟ್ಟಮಂದೆಯಲಿ 2/1

- 93] ಕೌರವನ ಸೇನೆಯು ಉತ್ತರನಿಗೆ ಹೇಗೆ ಕಾಣಿಸಿತು? [1]
 94] ಧುರಕ್ಕೆ ಬೆನ್ನುಹಾಕಿದರೆ ಏನು ಪ್ರಾಪ್ತಿಯಾಗುತ್ತದೆ? [1]
 95] ಅರ್ಜುನನು ಯಾರನ್ನೂ ನಾಡನಾರಿ ಎಂದು ಕರೆದಿದ್ದಾನೆ? [1]
 96] ಸುರರ ಸತಿಯರ ಸ್ಥಾನವನ್ನು ಯಾರು ತುಂಬುತ್ತಾರೆ? [1]
 97] ಶತ್ರುಬಲಕೆ 'ನಮೋ' ಎಂದು ಉತ್ತರನು ಏಕೆ ಹೇಳಿದನು? [2]
 98] 'ಕಾದುನಡೆ' ಎಂದು ಅರ್ಜುನನು ಉತ್ತರನನ್ನು ಏಕೆ ಒತ್ತಾಯಿಸಿದನು? [2]
 ಸಂದರ್ಭ ವಿವರಿಸಿ: [3]
 99] ಶಿವ ಶಿವ ಕದಿಗೆಲಿದೆವು.
 100] ಎಮ್ಮರಮನೆಯ ನಾರಿಯರೆ ಸಾಕು

- 52] ಗುರುರಾಜ ಕರ್ಜಗಿ ಅವರ ಅಂಕಣ ಬರಹದ ಶೀರ್ಷಕೆ ಯಾವುದು? [1]
 53] ಹೆಡ್ ಮಾಸ್ತರರು ತಂದಿಟ್ಟ ಟ್ರೇನಲ್ಲಿ ಯಾವ ಯಾವ ತರಹದ ಕಪ್ಪುಗಳಿದ್ದವು? [2]
 54] ಭಗವಂತ ಕೊಟ್ಟ ಈ ಬದುಕನ್ನು ಯಾವ ರೀತಿ ನಡೆಸಬೇಕೆಂದು ಗುರುಗಳು ಹೇಳಿದರು? [2]
 55] ಕವಿ ಪರಿಚಯ: ಗುರುರಾಜ ಕರ್ಜಗಿ [3]

ಪಾಠ-6- ನನ್ನ ಗೋಪಾಲ

- 56] ಗೋಪಾಲನ ಬೆಳಗಿನ ಮುಖ್ಯ ಕೆಲಸ ಯಾವುದಾಗಿತ್ತು? [1]
 57] ಗೋಪಾಲನಿಗೆ ಬಣ್ಣ ಬಣ್ಣದ ಹೂಗಳು ಹೇಗೆ ಕಾಣಿಸುತ್ತಿದ್ದವು? [1]
 58] ಗೋಪಾಲನ ಗೆಳೆಯನ ಹೆಸರೇನು? [1]
 59] ಗೋಪಾಲನೂ ಶಾಲೆಯಿಂದ ಮನೆಗೆ ಮರುಳುವಾಗ ಏಕೆ ಭಯಪಡುತ್ತಿದ್ದನು? [1]
 60] ಗೋಪಾಲನೂ ಹೊಸ ಪಂಚೆಯನ್ನು ಬಯಸಿದುದೇಕೆ? [1]
 61] ಕವಿ ಪರಿಚಯ: ಕುವೆಂಪು [3]

ಪದ್ಯ-1- ಏಣಿ

೨೯/೧೨

- 62] ಏಣಿ ಜನರಿಗೆ ಮಾಡಿದ ಉಪಕಾರವೇನು? [1]
 63] ಏಣಿಯನ್ನು ಬಳಸಿ ಮೇಲೇರಿದವರಿಗೆ ಏಣಿ ಹಾಕುವ ಸವಾಲು ಏನು? [1]
 64] ಕವಯತ್ರಿ ಯಾರನ್ನೂ ತ್ರಿಶಂಕುಗಳು ಎಂದು ಕರೆದಿದ್ದಾರೆ? [1]
 65] ಮೇಲೇರಿದವರು ತ್ರಿಶಂಕುಗಳು ಆಗುವುದು ಯಾವಾಗ? [1]
 66] ಏಣಿಗೆ ಬೀಳುವ ಭಯವಿಲ್ಲ ಏಕೆ? [1]
 67] ಏಣಿಯ ಸಹಾಯದಿಂದ ಮೇಲೇರಿದವರಿಗೆ ಏಣಿಯ ಉಪದೇಶವೇನು? [2]
 68] ಏಣಿ ಹೇಳಿಕೊಳ್ಳುವ ಕಷ್ಟಗಳೇನು? [2]
 69] ಮೇಲೇರಿದವನಿಗೆ ಏಣಿಯ ಮಹತ್ವ ಯಾವಾಗ ಅರಿವಾಗುತ್ತದೆ? [2]
 70] ಏಣಿ ತಾನು ಎಂಥವರಿಗೆ ಯಾವ ರೀತಿ ಸ್ಪಂದಿಸುತ್ತೇನೆಂದು ಹೇಳುತ್ತದೆ? [2]
 71] ಕವಿ ಪರಿಚಯ: ಸುಕನ್ಯಾ ಮಾರುತಿ [3]

ಪದ್ಯ-4- ಸದ್ದು ಮಾಡದಿರು!

- 72] ತೀಮೂರಕ್ಕೆ ವೈರಿ ಯಾವುದು? [1]
 73] ನಮ್ಮ ಕರ್ತವ್ಯಗಳನ್ನು ಹೇಗೆ ಮುಗಿಸಬೇಕೆಂದು ಕವಿ ಹೇಳಿದ್ದಾರೆ? [1]
 74] ಸದ್ದು ಮಾಡದೆ ಬಾಳಬೇಕು ಎಂಬುದಕ್ಕೆ ಕವಿ ನೀಡುವ ಹೋಲಿಕೆಗಳಾವುವು? [2]
 75] ಮಾನವನ ಬದುಕು ಕರ್ಪೂರದಂತೆ ಇರಬೇಕು ಏಕೆ? [2]
 76] ಕವಿ ಪರಿಚಯ: ಸಿ. ಪಿ. ಕೃಷ್ಣಕುಮಾರ್ [3]

101] ಕವಿ ಪರಿಚಯ: ಕುಮಾರವ್ಯಾಸ [3]

101] ಅರ್ಜುನ ಮತ್ತು ಉತ್ತರ ಇವರ ಸಂಭಾಷಣೆಯ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ? [4]

ಪೊರಕ ಓದು- 1- ಕಳ್ಳರ ಗುರು

3/1/2021

102] ಹಾವನ್ನು ಕಂಡ ವೈದ್ಯರ ತಲೆಯಲ್ಲಿ ಯಾವ ವಿಚಾರಗಳು ಮೂಡಿಬಂದವು? [2]

103] ವೈದ್ಯರು ಭೀಮಾನಾಯಕನ ಮಗುವಿನ ಪ್ರಾಣವನ್ನು ಹೇಗೆ ಉಳಿಸಿದನು? [2]

104] ಭೀಮಾನಾಯಕನು ವೈದ್ಯರಿಗೆ ಏನೆಂದು ಕೃತಜ್ಞತೆಗಳನ್ನು ಸಲ್ಲಿಸಿದನು? [2]

105] ವೈದ್ಯರ ಯಾವ ಮಾತುಗಳು ಭೀಮಾನಾಯಕನ ಮನಸ್ಸನ್ನು ಚುಚ್ಚಿದವು? [2]

106] ಭೀಮಾನಾಯಕನು ವೈದ್ಯರ ವಸ್ತುಗಳನ್ನು ಹಿಂತಿರುಗಿಸಿ ಏನೆಂದು ಹೇಳಿದನು? [2]

ಪೊರಕ ಓದು- 2- ಹೊಂಗೆ ಬೇವುಗಳ ಹಾಡು

107] ಬದುಕು ಬಾಡುವ ಬೇಲಿಯಲ್ಲಿ ಏನೇನು ಇದೆ? [2]

108] ಹೊಳೆಯ ದಂಡೆಯ ಸಾಲಿನಲ್ಲಿ ಹಿಂದಿನ ಯಾವ ನೆನಪುಗಳಿವೆ? [2]

109] ನಾಗರಿಕತೆಯ ಬೆಳವಣಿಗೆಯ ಬಗ್ಗೆ ಕವಯತ್ರಿಗೆ ಯಾವ ಅಳುಕು ಇದೆ? [2]

110] ಮನುಕುಲದ ಭವ್ಯ ಬದುಕು ಯಾವ ರೀತಿ ಅರಳಬೇಕು? [2]

Charan's public school
Science important questions
Chapter wise

Std:X

Chapter 1: Chemical reactions and equations

18/12/2020

1 mark

1. What is chemical combination reaction?
2. Is burning of a candle, a physical change or a chemical change?
3. Write a balanced chemical equation for the following reaction.
Ethanol is warmed with ethanoic acid to form ethyl acetate in the presence of concentrated H₂SO₄.
4. Give reactions of calcium and magnesium with dilute nitric acid.
5. Identify the type of reaction from the following equation and define it.
 $CH + 2O \rightarrow CO_2 + 2H_2O + \text{heat}$

2 marks

6. Write the balanced chemical equations for the following chemical reactions.
 - (i) Potassium bromide reacts with Barium iodide.
 - (ii) Zinc carbonate is heated.
7. Convert the following statements into balanced chemical equations:
 - (i) Zinc reacts with sulphuric acid to form zinc sulphate and hydrogen gas.
 - (ii) Magnesium burns in oxygen to form magnesium oxide.
8. (i) $2PbO + C \rightarrow 2Pb + CO_2$
(ii) $MnO_2 + 4HCl \rightarrow MnCl_2 + 2H_2O + Cl_2$
What is redox reaction? Identify the substance oxidised and the substance reduced in the above reactions.
9. What is rancidity? 'Mention any two ways by which rancidity can be prevented.

3 marks

10. (i) Balance the following chemical equation
 $MnO_2 + HCl \rightarrow MnCl_2 + Cl_2 + H_2O$
(ii) What is decomposition reaction? Explain it with suitable example
11. Name the term used to indicate the development of unpleasant smell and taste in fat and oil containing food due to oxidation. What are anti-oxidants? Why are they added to fat and oil containing food.
12. Define the term decomposition reaction. Give one example each of thermal decomposition and electrolytic decomposition.

4 marks

13. (i) Define corrosion.
 - (ii) What is corrosion of iron called?
 - (iii) How will you recognise the corrosion of silver?
 - (iv) Why corrosion of iron is a serious problem?

Chapter 2: Acids, Bases and salts

20/12/2020

Charan's public school
Science important questions
Chapter wise
Std:X

1 mark

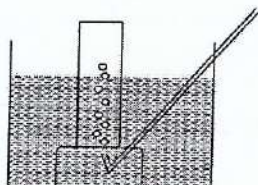
14. How is the concentration of hydronium ions (H_3O^+) affected, when a solution of an acid is diluted?
15. Dry HCl gas does not change the colour of dry blue litmus paper. Give reasons.
16. Write chemical equations that shows aluminium oxide reacts with acid as well as base.
17. The pH values of four solutions P, Q, R and S are 7.8, 1.0, 13.0 and 1.4 respectively.
The solution having highest hydrogen ion concentration among them is:
(i) P (ii) Q. (iii) R (iv) S
18. Name the sodium compound which is used for softening hard water.
19. What is the common name of the compound CaOCl_2 .

2 marks

20. What is meant by the term pH of a solution? The pH of rain water collected from two cities A and B was found to be 6 and 5 respectively. The water of which city is more acidic?
21. What is the change in pH values of milk when it changes into curd? Explain.
22. In a bakery, baking powder was not added while preparing cake. The cake obtained was hard and small in size. What is the reason for this?
23. Plaster of Paris should be stored in a moisture proof container. Explain why?
24. What is a neutralisation reaction? Give two examples.

3 marks

25. Give two important uses of washing soda and baking soda.
26. Name the acid present in the following:
(i) Tomato, (ii) Vinegar, (iii) Tamarind
27. A metal is treated with dilute sulphuric acid. The gas evolved is collected by the method shown in the figure:



- i) Name the gas.
- (ii) Is the gas soluble or insoluble in water?
- (iii) Is the gas lighter or heavier than air?
- (iv) How will you test the gas?
- (v) If the metal used above is zinc then write the chemical equation for the evolution of gas.
- (vi) Write one industrial use of the gas evolved.

Chapter 3 : Metals and non metals

22/12/2020

Charan's public school
Science important questions
Chapter wise
Std:X

1 Mark:

28. Name a non-metal which is lustrous and a metal which is non-lustrous.
29. State two physical properties of gold which are of extreme use to jewellers.
30. What is meant by metallurgy?
31. State two ways to prevent the rusting of iron.

2 marks:

32. Write any four physical properties of metals.
33. Give reason:
 - (i) Sodium metal is stored under kerosene oil.
 - (ii) In spite of being highly reactive, aluminium is still used for making utensils.
34. What are ionic compounds? List two properties of these compounds.
35. What are amphoteric oxides? Give two examples of amphoteric oxides.
36. Differentiate between metal and non-metal on the basis of chemical properties.
37. Give reasons why is copper used to make hot water tanks and not steel (an alloy of iron)

3 marks:

38. Write one example of each of the following:
 - (i) Most malleable metal and most ductile metal.
 - (ii) The best conductor of heat and the poorest conductor of heat.
 - (iii) A metal with highest melting point and a metal with lowest melting point.
39. Give reasons
 - (a) Platinum, gold and silver are used to make jewellery.
 - (b) Sodium, potassium and lithium are stored under oil.
 - (c) Aluminium is a highly reactive metal, yet it is used to make utensils for cooking.
40. Explain what is galvanization. What purpose is served by it?
41. (i) Name the method used to extract metals of high reactivity.
(ii) Name the main ore of mercury. How is mercury obtained from its ore? Give balanced chemical equations.

Chapter 4: Carbon and its compounds

24/12/2020

1 Mark:

42. What is a homologous series of carbon compounds?
43. Write the name and molecular formula of the first member of the homologous series of alkynes.
44. Molecular formula of a hydrocarbon is C_3H_8 . Draw its complete structure and write its name.
45. Write the number of covalent bonds in the molecule of Ethane.
46. Name the process by which unsaturated fats are changed to saturated fats.
47. What is saponification?
48. Name the products formed when ethanoic acid reacts with a sodium hydrogen carbonate.

Charan's public school
Science important questions
Chapter wise
Std:X

49. Draw the electron dot structure of nitrogen molecule.
50. What happens when methane is burnt in air?
51. What change will you observe if you test soap with litmus paper (red and blue)?

2 marks:

52. What is a covalent bond? What type of bond exists in (i) CCl_4 , (ii) CaCl_2 ?
53. List two differences between saturated and unsaturated hydrocarbons.
54. (i) Describe the mechanism of cleansing action of soaps.
(ii) Why do soaps not work in hard water?
55. What is hydrogenation of Oils? Write two advantages of it.
56. List any four differences between soaps and detergents.

3 marks:

57. Write the molecular formula of the following compounds and draw their electron-dot structures:
(i) Ethane (ii) Ethene (iii) Ethyne
58. a) What is isomerism? Name the isomers of butane.
(b) Name the air pollutant liberated during incomplete combustion of methane.
(c) Name the importance of hydrogenation of oils.

4 marks:

59. Draw the electron dot structures for (a) Ethanoic acid (b) H_2S (c) Propanone (d) F_2

5 marks:

60. Explain the mechanism of the cleaning action of soap. With a neat diagram.

Chapter 5: Periodic classification of elements

27/12/2020

1 mark:

61. What are cations and anions?
62. What are metalloids?
63. Name any four metalloids?

2 marks:

64. What were the limitations of Newlands' law of Octaves?
65. (a) Why did Mendeleev have gaps in his periodic table?
(b) State any three limitations of Mendeleev's classification?
66. What is ionisation energy? How does ionisation energy vary along the period in the modern periodic table?
67. Nitrogen (atomic number 7) and phosphorus (atomic number 15) belong to group 15 of the periodic Table. Write the electronic configuration of these two elements. Which of these will be more electronegative? Why

3 marks and 4 marks:

68. Compare and contrast the arrangement of elements in Mendeleev's Periodic Table and Modern Periodic Table.

Charan's public school
Science important questions
Chapter wise
Std:X

69. Name

- (a) Three elements that have a single electron in their outermost shell.
- (b) Two elements that have two electrons in their outer most shell.
- (c) Three elements with filled outermost shell.

Chapter 6 : Life processes

29/12/2020

1 mark:

- 70. What is the function of digestive enzymes?
- 71. Name the respiratory pigment in human beings. Where is this pigment found?
- 72. What is the role of saliva in the digestion of food?
- 73. How are alveoli designed to maximise exchange of gases?

2 marks:

- 74. What are the differences between the transport of materials in xylem and phloem.
- 75. What are the consequences of deficiency of haemoglobin in our bodies?
- 76. What are the differences between aerobic respiration and anaerobic respiration.
- 77. What are necessary conditions for autotrophic nutrition and what are its by product?
- 78. Write three points of differences between artery and vein.
- 79. Explain how water and minerals are transported in plants?

3 marks:

- 80. Why does the medium become acidic in mouth? What is the ill effect of this acidic medium? How can this be prevented?
- 81. List the role of each of the following in our digestive system:
(i) Muscles of stomach wall (ii) Hydrochloric acid (iii) Mucus
- 82. How do guard cells regulate opening and closing of stomatal pores?
- 83. "Respiration is an Exothermic Reaction." Justify this statement giving the chemical equation for the reaction involved.

4 marks:

- 84. Give reasons for:
(i) Oxygenated and deoxygenated bloods are separate in the heart of mammals.
(ii) Ventricles are thick walled.
(iii) Herbivores have longer small intestine as compared to carnivores
- 85. (a) What is lymph?
(b) How is composition of lymph different from blood plasma?
(c) List two functions of lymphatic system.
- 86. List any four strategies used by the plants for excretion.
- 87. Describe double circulation in human beings, Why is it necessary?

Chapter 7: Control and coordination

31/12 31/12/2020

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Science important questions
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1 mark:

88. How do the shoot and roots of a plant respond to the pull of earth's gravity?
89. Name the two components of peripheral nervous system
90. How does our body maintain blood sugar level?
91. What happens at the synapse between two neurons?
92. Why is use of iodised salt advisable?
93. How does chemical coordination occur in plants?

2 marks:

94. How are involuntary actions and reflex actions different from each other?
95. How does phototropism occur in plants?
96. Why are some patients of diabetes treated by giving injections of insulin?
97. During exercise, the breathing rate is automatically enhanced. What is the reason behind it?
98. (i) What is a reflex action?
(ii) Give example of involuntary action

3 marks:

99. Explain the cause of shoots of the plant bending towards light.
100. Define positive geotropism and negative geotropism. Give one example of each.
101. Write the names and one function of each of any three growth hormones in plants
102. State three common features of respiratory organs of animals.
103. Write three main functions of the nervous system.

Chapter 8 : How do organisms reproduce

3/1/2021

1 mark:

104. What is DNA?
105. What is vegetative propagation?
106. Name the method by which Hydra reproduces. Is this method sexual or asexual?
107. What is the function of pollen grains in flowers?
108. What is the function of petals in a flower?
109. What are the functions performed by testis in human beings?
110. Why does mensuration occur?

2 marks:

111. How is the process of binary fission different in Amoeba and Leishmania?
112. Differentiate between Pollen tube and style.
113. Differentiate between Fission in Amoeba and Plasmodium
114. Why is fertilization not possible without pollination?

CHARAN'S PUBLIC SCHOOL

STD-X

MATHEMATICS

CHAPTERWISE IMPORTANT PROBLEMS:

1. Arithmetic progressions

19/12/2020

1. Write first four terms of the A.P. when $a = 10$, $d = 10$. (2)
2. Which term of the AP: 21, 18, 15, ... is -81 ? Also, is any term 0? Give reason for your answer. (2)
3. How many multiples of 4 lie between 10 and 250? (3)
4. The sum of 4th and 8th terms of an A.P. is 24 and the sum of the 6th and 10th terms is 44. Find the first three terms of the A.P. (4)
5. Find the sum of first 22 terms of an AP in which $d = 7$ and 22nd term is 149. (3)
6. The sum of the third and the seventh terms of an AP is 6 and their product is 8. Find the sum of the first sixteen terms of the AP. (4)
7. If $a_n = 2n+3$ find a_3 . (1)
8. Determine AP whose 4th term is 18 and difference of 9th term from 5th term is 30. (3)
9. Find the sum of first 51 terms of the AP whose 2nd term and the fourth term is 8. (3)
10. The ratio of the sum of n and m of terms of an AP is $m^2:n^2$, show that the ratio of m th term and n th term is $(2m-1):(2n-1)$. (4)

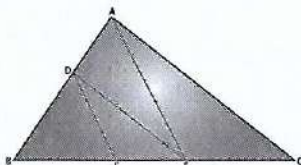
2. Triangles

20/12/2020

1. In the given figure, $PS/SQ = PT/TR$ and $\angle PST = \angle PRQ$. Prove that PQR is an isosceles triangle. (2)



2. In the figure, $DE \parallel AC$ and $DF \parallel AE$. Prove that $BF/FE = BE/EC$. (2)



3. A vertical pole of length 6 m casts a shadow 4 m long on the ground and at the same time a tower casts a shadow 28 m long. Find the height of the tower. (2)

4. O is any point inside a rectangle ABCD as shown in the figure.
Prove that $OB^2 + OD^2 = OA^2 + OC^2$. (3)

5. Sides of triangles are given below. Determine whether it is right triangle,
In case of a right triangle, write the length of its hypotenuse.

7 cm, 24 cm, 25 cm. (3)

6. State and prove BPT theorem. (3)

7. State and prove Pythagoras theorem. (4)

8. State and prove Area of similar triangle theorem. (5)

9. State and prove AAA similarity criteria theorem. (4)

10. Define similar triangles. (1)

3. Pair of linear equations in two variables

21/12/2020

1. Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden. (2)

2. On comparing the ratios a_1/a_2 , b_1/b_2 , and c_1/c_2 , find out whether the following pair of linear equations are consistent, or inconsistent.

$$3x + 2y = 5; 2x - 3y = 7 \quad (2)$$

3. Solve the following pair of linear equations by the substitution method. (2)

$$(i) \begin{aligned} x + y &= 14 \\ x - y &= 4 \end{aligned}$$

4. Solve $2x + 3y = 11$ and $2x - 4y = -24$ and hence find the value of 'm' for which $y = mx + 3$. (3)

5. A fraction becomes $9/11$ if 2 is added to both the numerator and the denominator. If, 3 is added to both the numerator and the denominator it becomes $5/6$. Find the fraction. (3)

6. Form the pair of linear equations in the following problems, and find their solutions (if they exist) by the elimination method: (4)

Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?

7. Formulate the following problems as a pair of equations, and hence find their solutions:

Ritu can row downstream 20 km in 2 hours, and upstream 4 km in 2 hours. Find her speed of rowing in still water and the speed of the current. (4)

8. Define linear equation and write its standard form with example. (1)

9. Solve graphically $5x+y=17$, $2x-2y=2$. (4)

10. Solve graphically $2x+y=8$, $x+2y=7$. (4)

4. Circles

22/12/2020

1. Define Tangent and Secant. (1)

2. From a point Q, the length of the tangent to a circle is 24 cm and the distance of Q from the centre is 25 cm. The radius of the circle is 7 cm. (2)

3. Prove that the tangents drawn at the ends of a diameter of a circle are parallel. (2)

4. A quadrilateral ABCD is drawn to circumscribe a circle as shown in the figure. Prove that $AB + CD = AD + BC$. (3)

5. Two concentric circles are of radii 5 cm and 3 cm. Find the length of the chord of the larger circle which touches the smaller circle. (2)

6. Prove that the parallelogram circumscribing a circle is a rhombus. (3)

7. Prove that tangents drawn from an external point to a circle are equal. (3)

8. Prove that radius drawn from centre of a circle is perpendicular to the chord. (3)

5. Area related to circles

23/12/2020

1. Calculate the area of a sector of angle 60° . Given, the circle is having a radius of 6 cm. (2)

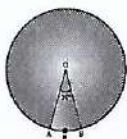
2. A chord subtends an angle of 90° at the centre of a circle whose chord is 20 cm. Compute the area of the corresponding major segment of the circle. (3)

3. Find the area of the sector of a circle with radius 4 cm and of angle 30° . Also, find the area of the corresponding major sector. (3)

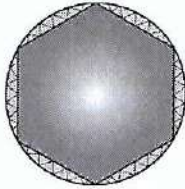
4. The cost of fencing a circular field at the rate of Rs. 24 per metre is Rs. 5280. The field is to be ploughed at the rate of Rs. 0.50 per m^2 . Find the cost of ploughing the field (4)

(Take $\pi = 22/7$).

5. Find the area of the sector of a circle with radius 4 cm and of angle 30° . Also, find the area of the corresponding major sector (Use $\pi = 3.14$). (3)



6. A round table cover has six equal designs as shown in the figure. If the radius of the cover is 28 cm, find the cost of making at the rate of Rs. 0.35 per cm^2 . (Use $\pi = 1.7$). (4)



7. Write the formula of area of sector. (1)

8. Write the formula of length of an arc. (1)

6. Constructions

24/12/2020

1. Draw a line segment of length 7.6 cm and divide it in the ratio 5:8 and measure the two parts. (2)

2. Draw a circle of radius 4 cm and construct tangents to it from an external point 8 cm away from the centre. Measure their lengths. (2)

3. In a circle of radius 5 cm draw two radii such that the angle between them is 150° . Construct tangents at the end of the chords. (3)

4. Draw a triangle ABC with sides $BC=6\text{cm}$, $AB=5\text{cm}$, $\angle ABC=60^\circ$. Then construct a triangle whose sides are $\frac{3}{4}$ of the corresponding sides. (3)

5. Draw a triangle with sides 5 cm, 6 cm, 7 cm and then another triangle whose sides are $\frac{7}{5}$ of the corresponding sides. (3)

6. Construct an isosceles triangle whose base is 8 cm and altitude is 4 cm and then another triangle whose sides are $\frac{5}{3}$ of the corresponding sides. (3)

7. Co-ordinate Geometry

26/12/2020

1. Find the coordinates of the points of trisection (i.e., points dividing into three equal parts) of the line segment joining the points $A(2, -2)$ and $B(-7, 4)$. (3)

2. Find the ratio in which the line segment joining the points $(-3, 10)$ and $(6, -8)$ is divided by $(-1, 6)$. (3)

3. Find the value of k if the points $A(2, 3)$, $B(4, k)$ and $C(6, -3)$ are collinear. (2)

4. Find the area of the triangle formed by joining the mid-points of the sides of the triangle whose vertices are $(0, -1)$, $(2, 1)$ and $(0, 3)$. Find the ratio of this area to the area of the given triangle. (4)

5. Name the type of triangle formed by the points A $(-5, 6)$, B $(-4, -2)$ and C $(7, 5)$. (3)

6. Show that the points $(1, 7)$, $(4, 2)$, $(-1, -1)$ and $(-4, 4)$ are the vertices of a square (4)

7. Find the distance between origin and $(-3, 4)$. (1)

8. Find the distance between $(-2, 5)$ and $(7, -1)$. (2)

9. Find the midpoint between $(1, 10)$ and $(7, 2)$ (2)

10. Define abscissa and ordinate. (1)

8. QUADRATIC EQUATIONS

27/12/2020

1. Find the roots of quadratic equations by factorisation: (2)

(i) $\sqrt{2}x^2 + 7x + 5\sqrt{2} = 0$

2. Find two consecutive positive integers, sum of whose squares is 365. (3)

3. Solve the quadratic equation $2x^2 - 7x + 3 = 0$ by using quadratic formula. (2)

4. Find the values of k , so that they have two equal roots $2x^2 + kx + 3 = 0$. (2)

5. The diagonal of a rectangular field is 60 metres more than the shorter side. If the longer side is 30 metres more than the shorter side, find the sides of the field. (4)

6. Define quadratic equation and write its standard form with one example. (1)

7. Check $(x+3)(x-4) = x(x+2)$ can form a Q.E? (1)

8. Solve $x^2 - 5x + 6 = 0$ (3)

9. Find two numbers whose sum is 27 and product is 182. (2)

10. The sum of the reciprocal of Rehman's ages 3 years ago and 5 years from now is $\frac{1}{3}$. Find his present age. (4)

9. Trigonometry

28/12/2020

1. If $\sin A = \frac{3}{4}$, Calculate $\cos A$ and $\tan A$. (2)

2. If $\tan(A+B) = \sqrt{3}$ and $\tan(A-B) = \frac{1}{\sqrt{3}}$, $0^\circ < A+B \leq 90^\circ$; $A > B$, find A and B . (2)

3. If $\tan 2A = \cot(A - 18^\circ)$, where $2A$ is an acute angle, find the value of A . (1)

4. $\sqrt{1 + \sin A} / 1 - \sin A = \sec A + \tan A$. (3)

5. $(1 + \tan^2 A) / 1 + \cot^2 A = (1 - \tan A) / 1 - \cot A = \tan^2 A$. (3)

6. A tree breaks due to storm and the broken part bends so that the top of the tree touches the ground making an angle 30° with it. The distance between the foot of the tree to the point where the top touches the ground is 8 m. Find the height of the tree. (3)

7. Two poles of equal heights are standing opposite each other on either side of the road, which is 80 m wide. From a point between them on the road, the angles of elevation of the top of the poles are 60° and 30° , respectively. Find the height of the poles and the distances of the point from the poles. (4)

8. The angle of elevation of the top of a tower from two points distant s and t from its foot are complementary. Prove that the height of the tower is \sqrt{st} . (3)

9. The shadow of a tower standing on level ground is found to be 40 m longer when the Sun's altitude is 30° than when it is 60° . Find the height of the tower. (4)

10. Find the value of $\sin 30^\circ + \tan 45^\circ - \operatorname{cosec} 60^\circ$. (2)

10. Statistics

30/12/2020

1. Consider the following distribution of daily wages of 50 workers of a factory. (3)

Daily wages (in Rs.)	100-120	120-140	140-160	160-180	180-200
Number of workers	12	14	8	6	10

Find the mean daily wages of the workers of the factory.

2. Thirty women were examined in a hospital by a doctor and the number of heartbeats per minute was recorded and summarised as follows. Find the median heartbeats per minute for these women. (3)

Number of heart beats per minute	65-68	68-71	71-74	74-77	77-80	80-83	83-86
Number of women	2	4	3	8	7	4	2

3. A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarised it in the table given below. Find the mode of the data: (3)

Number of cars	Frequency
0-10	7
10-20	14
20-30	13
30-40	12
40-50	20
50-60	11
60-70	15
70-80	8

4. A survey regarding the heights (in cm) of 51 girls of Class X of a school was conducted and the following data were obtained:

Height (in cm)	Number of girls
Less than 140	4
Less than 145	11
Less than 150	29
Less than 155	40
Less than 160	46
Less than 165	51

Draw less than Ogive. (3)

5. The annual profits earned by 30 shops of a shopping complex in a locality give rise to the following distribution : (3)

Profit (Rs in lakhs)	Number of shops (frequency)
More than or equal to 5	30
More than or equal to 10	28
More than or equal to 15	16
More than or equal to 20	14
More than or equal to 25	10
More than or equal to 30	7
More than or equal to 35	3

Draw more than Ogive.

6.A survey regarding the heights (in cm) of 51 girls of Class X of a school was conducted and the following data were obtained: (3)

Height (in cm)	Number of girls
Less than 140	4
Less than 145	11
Less than 150	29
Less than 155	40
Less than 160	46
Less than 165	51

Find the median height and also less than ogive.

7. Write the formula to calculate mode. (1)

8. Write the formula to calculate mean. (1)

9. Write the interrelationship between mean, median and mode. (1)

10. The arithmetic mean and mode of a data are 24 and 12. then find its median. (2)

11. Surface area and volume

21/2021

1. 2 cubes each of volume 64 cm^3 are joined end to end. Find the surface area of the resulting cuboid. (2)
2. A tent is in the shape of a cylinder surmounted by a conical top. If the height and diameter of the cylindrical part are 2.1 m and 4 m respectively, and the slant height of the top is 2.8 m, find the area of the canvas used for making the tent. Also, find the cost of the canvas of the tent at the rate of Rs 500 per m^2 . (Note that the base of the tent will not be covered with canvas.). (5)
3. A solid toy is in the form of a hemisphere surmounted by a right circular cone. The height of the cone is 2 cm, and the diameter of the base is 4 cm. Determine the volume of the toy. If a right circular cylinder circumscribes the toy, find the difference between the volumes of the cylinder and the toy. (Take $\pi = 3.14$). (3)
4. A cone of height 24 cm and radius of base 6 cm is made up of modelling clay. A child reshapes it in the form of a sphere. Find the radius of the sphere. (2)
5. Metallic spheres of radii 6 cm, 8 cm and 10 cm, respectively, are melted to form a single solid sphere. Find the radius of the resulting sphere. (2)
6. Write the formula of frustum of cone. (1)
7. Write the formula of total surface area of sphere. (1)
8. Radius of hemispherical sphere is 21 cm. Find the volume of water can it hold. (2)
9. A metallic sphere of radius of 9 cm is melted and recast into a shape of a cylinder of radius 6 cm. Find the height of the cylinder. (2)
10. A rocket is in the shape of a cylinder with a cone attached to one end and a hemisphere attached to the other. All of them are of the same radius of 1.5 m the total length of the rocket is 7 m and height of the cone is 2 m. Calculate the volume of the rocket. (4)

Charans Public School

Std. X Chapter wise important Questions Social-Science

Part-AHistory L-1 Advent of Europeans to India

19/12/2020

1. Mention the inventions which helped to find out new sea route to India? (1)
2. Discuss the reasons that resulted in the discovery of new sea route to India. (2)
3. How did the trade take place between India and Europe during middle ages? (2)

History L-2 The extension of the British rule

4. Who led the revolts to save Punjab from the British after Anglo- Maratha Wars? (1)
5. Explain the reasons for First Anglo-Maratha War.(2)
6. Explain the Third Anglo-Maratha War. (3)

History L-3 The impact of British rule in India

7. What was the main aim of Charter Acts? (1)
8. What are the important features of The Indian Council Act of 1861. (2)
9. What are the important features of 1919 Act,? (3)
10. What were the important features of the Indian Government Act of 1858? (4)

History L-4 Opposition to British rule in Karnataka

21/12/2020

11. Who led the revolt against the British In Amara Sullya? (1)
12. Why did the British fight Anglo-Mysore Wars? (2)
13. What were the conditions of Srirangapatnam Treaty? (3)
14. Explain the method of resisting British power by Dondiya Wagh. (3)

History L-5 Social and Religious Reformation Movement

15. Who were the founders of Theosophical society? (1)
16. Name the periodicals published by Annie Besant. (1)
17. List out the important outcomes of the reform movements. (2)
18. Explain the contributions of Sri Narayana Dharma Paripalana Yogam.(3)

History L-6 The First War od Indian Independence

19. What did the British realize after the Sepoy Mutiny ended? (1)
20. Why do you think the sepoys at Meerut revolted? (2)
21. What were the main aspects in the Declaration of the British Queen? (3)

23/12/2020

Political Science L-1 The Problem of India and their solutions

22. What is unemployment? (1)
23. What is corruption? (1)
24. What are the effects of terrorism? (2)
25. How is Communalism fatal to National unity? Explain. (3)
26. What are the measures needed for the eradication of unemployment? (3)

Political Science L-2 Indian Foreign Policy

27. What is Foreign Policy? (1)
28. What is disarmament? (1)
29. Why does India oppose imperialism? (2)
30. How does Foreign Policy and a country to development? (2)
31. What are Panchasheela principles? (3)

Political Science L-3 India's relationship with other countries

32. What was the reason for the relationship between India and USA? (1)
33. What similarities are found between India and Pakistan? (1)
34. The relationship between India and China is recently spoiled. What are the reasons for this? (2)
35. Why does countries need to have good relationship with other countries.? (3)
36. Explain the relationship between India and Russia. (3)

Sociology L-1 Social Stratification

26/12/2020

37. What are the criteria of social Stratification? (1)
38. What is untouchability? (2)
39. What are the features of social Stratification? (2)
40. How is untouchability social evil? Discuss. (3)
41. What are the ill effects of social Stratification? (3)

Sociology L-2 Labour

42. What is organized labour sector? (1)
43. What is unorganized sector? (1)
44. What is division of labour? (2)
45. What are the challenges faced by unorganized sectors workers? (3)
46. Explain the nature of discrimination at work. (3)

Geography L-1 Indian position and extension

28/12/2020

47. Name the neighbouring countries of India in the Indian Ocean. (1)
48. Give the latitudinal and longitudinal extend of India. (1)
49. Name the countries that share frontier with India. (2)

Geography L-2 Indian Physiography

50. Which is the largest Physiographical division in India? (1)
51. Mention the divisions of the Western coastal Plain. (1)
52. Mention the divisions of Eastern coastal Plain. (1)
53. State how the Northern Great Plains were formed? (2)
54. Which are the main Physiographic divisions of India? (2)
55. Distinguish between the Eastern Ghats and the Western Ghats. (2)
56. State the importance of Northern mountains. (3)
57. Discuss the importance of Coastal Plains. (3)

Geography L-3 Indian Climate

58. Which factors influence the climate of India? (1)
59. Name two branches of the south-west monsoons. (1)
60. Explain the weather conditions in summer season. (2)
61. Why does the temperature decrease in Northern Hemisphere during winter? (2)
62. Explain how the process of South-west monsoons. (3)

Geography L-4 Indian Soils

30/12/2020

63. How is soil formed? (1)
64. Which are the major types of soils in India? (1)
65. Explain the nature of black soil. (2)
66. What are the characteristics of red soils? (2)
67. What is soil erosion and soil conservation? (2)
68. List the ways of Preventing soil erosion (3)

Geography L-5 Indian Forest Resources

69. What is meant by forests? (1)
70. What is meant by wildlife sanctuaries? (1)
71. What is conservation of forests? (1)
72. Mention the main objectives of Biosphere reserves. (2)
73. What are the causes for depletion of forest resource? (3)
74. What are the uses of forests? (4)

Geography L-6 Indian Water Resources

31/12/2020

75. Name the most important west flowing rivers of south India. (1)
76. What is multipurpose river valley project. (2)
77. Why is irrigation important in India. (2)
78. What are the objectives of Multi-Purpose Projects? (3)

Geography L-7 Indian Land Resources

79. What is meant by Land use pattern? (1)
80. What are beverage crops? Give examples. (1)
81. Distinguish between Kharif and Rabi crops season. (2)
82. What factors determine land use as in India. (2)
83. Explain the role of horticulture in India. (3)

Economics L-1 Development

2/1/2021

84. Define 'women Empowerment'. (1)
85. What are the features of underdeveloped countries? (2)
86. What is HDI? How its calculated? (3)
87. Examine the causes for the low HDI of India. (4)

Economics L-2 Rural Development

88. Explain the meaning of 'Rural Development'. (1)
89. Name the three levels of Panchayat Raj institutions. (1)
90. Mention any two housing programmes.(1)
91. What was the aim behind creation of Gram Panchayats? (2)
92. What are the key features of Panchayat Raj System? (3)

Business studies L-1 Bank Transactions

3/1/2021

93. What is a Bank? (1)
94. How do banks increase their funds? (1)
95. What are the advantages of opening a bank account? (2)
96. what are the services offered by banks. (2)
97. " The number of saving bank account holders is increasing ". Give reasons. (3)
98. What are the functions of a bank? (3)

Business studies L-2 Entrepreneurship

99. Who is an entrepreneur? (1)
100. What is globalisation of business? (1)
101. What factors have transformed large business units as global units?(1)
102. What is the difference between a self- employed and an entrepreneur. (2)
103. What are the characteristics of Entrepreneurship? (3)
104. "Entrepreneurship is a creative activity". How? (3)
105. Explain the importance of an entrepreneur. (3)

NEW YEAR NEW BEGINNING

31/12/2020

A bad habit I am going to break: .

A new skill I would like to learn:

A person I would hope to be more like;

A good deed I am going to do:

A place I would like to visit:

A book I would like to read:

A letter I am going to write;

A new food I would like to try:

This year ,I am going to be better at?

A person I would like to thank:

A lesson I learnt in 2020:

The best part of last year was: