SSC PUBLIC EXAMS - TELANGANA STATE
MODEL PAPER-II
CLASS : X

Sub : Physical Science   **PAPER-I**

Time : 2 hours 45 min   **Max. Marks : 40**

Instructions :

1.   In the time duration of 2 hours 45 minutes, 15 monutes of time is allotted to read and understand the question paper.
2.   Answer the questions under PART-A on separate answer book
3.   Write the answers to the questions under PART-B on the question paper itself and attach it to the answer book of PART-A

Part-A

Time : 2 hours 15 min   **Max. Marks : 40**

Instructions :

1.   PART-A comprises of three sections I, II, III
2.   All the questions are compulsory
3.   There is no overall choice. However, there is internal choice to the questions under section III

Section-I

Notes :   **7x1=7**

    1.   Answer all the questions
    2.   Each question carries 1 mark
    3.   Answer each question in 1 or 2 sentences

1.   Which reaction has takes place? When we should add the acid to water but not water to Acid?
2.   Identify the optic centre of len, Radii, focal points respectively?
3.   Draw the Junction law diagram according to the conservation of charge?
4.   What are the difference between combustion and roasting?
5.   Write the some Amorphous forms of carbon?

6.   write the ↑ and   parts Names?

7.   What is micelle? Give one example?

Section-II

                                                 6x2=12

Notes :

    1.   Answer all the questions
    2.   Each question carries 2 mark
    3.   Answer each question in 4-5 sentences

8.   What are the uses of the convex mirror in your daily life situation?
9.   What are the steps use to balance chemical Equation? Give one example?
10.   How can you utilise the $NaHCO_3$?
11.   which principles are using to orientation electrons in "**C**" atom?
12.   What rules are helpful to explaine about electric A.C Motor?
13.   Why did metals corrosion? write some factors?

Section-III

Notes :
1. Answer all the questions
2. Each question carries 4 marks
3. There is an internal choice for each question. only re option from each question is to tbe attempted
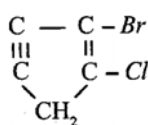4. Answer each question in 8-10 sentences

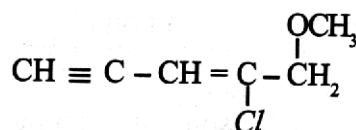14. Write the physical and chemical properties of the Acids?

(OR)

Draw the ray rules for convex mirror?

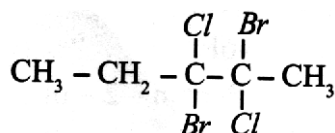15. Write the IUPAC Names for given Hydro-carbon compound structure?
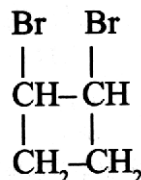
i)

ii)

iii)

iv)

(OR)

How can you draw the structure of H_2O according hybridisation orbital?

16. How do you dressing of the ores with help of froth flotation and magnetic separation?

(OR)

Write the procedure? What situation are useful to prevent the corrosions of nails?

17. How the magnetic field has formed due to electric current is passing through it?

(OR)

Sample Solution	Indicators	Red Litmus	Blue Litmus	Phenolphthalien	Methyl Orange
$C_6H_{12}O_6$					
$NaHCO_3$					
$Na_2CO_3 10H_2O$					
CH_3COOH					
Salt					
HCL					

1. What is the nature of $C_6H_{12}O_6$?
2. Which colour gives, when methyl orange Indicator add to the salt?
3. What nature gives the phenolphthalien Indicator in $Na_2CO_3 10H_2O$?
4. Write the acids nature samples Names?

Part-B

Instructions :

1.   Answer all the questions

2.   Each question carries 1/2 mark

3.   Answers are to be written inthe question paper only.

4.   Marks will not be awarded in any case of overwriting rewriting or erased answers.

5.   Write capital letter (A, B,C,D) Showing the current answer for the following questions in the brackets against them.

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18. $C \equiv C$ Called as   (   )

    a) ien   b) Yne   c) Prop   d) Tri

19.   The purpose of smelting an ore   (   )

    a) Reduce   b) oxidise   c) None of these   d) Neutralise

20.   24 Carrot gold Containing................% Copper   (   )

    a) 3%   b) 2%   c) 4%   d) 5%

21.   Al metal ore is _____   (   )

    a) $Al_2O_3 2H_2O$ b) Al_2O_3 c) $Al_2O_3 2H_2O$ d) $Al_3O_2 2H_2O$

22.   Magnetic flux density=   (   )

    a)   b) $\dfrac{Magnefic\ flux}{Area}$ c)   d)

23.   Ohm's Law   (   )

    a) I/A   b) V=IR   c) V=AR   d) V=A

24.   1 Coulmb=?   (   )

    a) 6.625×10^{18} Electrons   b) 6.265×10^{18} electrons

    c) 6.526×10^{8} Electrons   d) None of above

25.   Which one is polar covalent   (   )

    a) NaCl   b) C_2H_6 c) HCl   d) A & B

26.   Identify metal   (   )

    a) F   b) At   c) S   d) Na

27. $1S^2 < 2S^2 < 2p^6 < 3S^2 < 3p^4$ what is the element name.   (   )

    a) P   b) Si   c) Ar   d) S