SSC PUBLIC EXAMS - TELANGANA STATE
MODEL PAPER-I
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 minutes 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 under section I, II. 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. What will be happening when phenolphthalein indicator added to lemonjuice?
2. Complete the ray diagram.
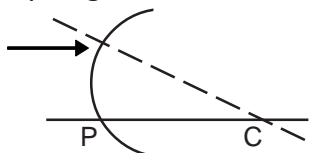
3. Write the apparetus for the lens focal lenght is depending on surrounding medium.
4. What about the angle of incident and angle of emergence in the position of angle of Minimum deviation at prism?
5. What is the Shape of rainbow, when you are travelling in the helicaptor? Explain it?
6. What purpose we are using quantum numbers?
7. $CH_3-CH_2-CH=CH_2$ write IUPAC Name?

Section-II

Notes :　　　　　　　　　　　　　　　　　　　　　　**6x2=12**

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

8. What is the action of soap particles on the greasy cloth?
9. What principle is having in the A.C Generator?
10. What is the role of furance metallurgy?
11. Explain about factors affecting on the Resistance of meterials?
12. How can you prevent metals corrosion?
13. How can you say is it overload, when one electric device has damaged?

Section-III

6x2=12

14. Find out the how much electric current has drawn from the circuit.
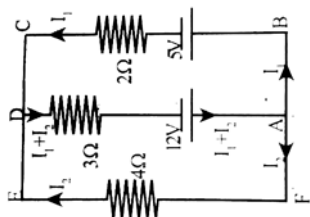
(OR)

Write the periodic properties in groups and periods?

15.

Nature	Solutions	NH_3	Milk of Megnisia Mg(OH)$_2$	See water	Human blood	D v
PH		11	10	8	7.5	
ACID						
BASE						
Neutral						

1) Which Solution is strong acid?

2) Which solution is neutral solution?

3) NH3 has acidic or Basic nature?

4) What types of ions having in battery Acid?

(OR)

Draw the ray diagrams for image formation? When Shalini wants to keep the one candle in different places infront of the Bi-Convex lens?

16. Draw the BF_3 Hybridisation orbital structure? Explain it?

(OR)

Write the procedure for result of force applied on a current carrying wire?

17. How can you extraction of Metals at the top of the activity series?

(OR)

Determine the magnetic force a current carrying wire which has placed along a uniform magnetic field?

Part-B

Instructions :

1.   Answer all the questions

2.   Each question carries 1/2 mark

3.   Answers are to be written in the 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.   Magnification formula m=_____   (   )

   a) -v/u   b) u/v   c) -u/v   d) -u/-v

19. $C_{(s)} + O_{2(g)} \longrightarrow CO_{2(g)} + Q$ here +Q refer which reaction is it represent?   (   )

   a) Exothermic reaction   b) Endothermic reaction   c) Composition   d) Displcement

20.   Following Indicator is belongs synthetic   (   )

   a) Phenolphthalin   b) Cabbage   c) Lichen   d) Petunia

21.   Plane surface formula   (   )

   a)   b) $\dfrac{n_2}{u} = \dfrac{n_1}{v}$ c) $\dfrac{n_2}{v} = \dfrac{n_1}{u} \dfrac{n_2 n_1}{uv}$ d) $\dfrac{n_2 + n_1}{uv}$

22.   The angle of vision for a healthy human being is about _____   (   )

   a) 60^0 b) 100^0 c) 360^0 d) 120^0

23.   In VIBGYOR, which colour has more deviated.   (   )

   a) Indigo   b) Violet   c) Red   d) Yellow

24.   Which principle say the value of subshell   (   )

   a) 0 to n-1   b) 0 to n-2   c) n-1 to 0   d) n-3 to 0

25.   Doberner's law represent......................   (   )

   a) Law of Traids   b) Octaves   c) Hunds Rule   d) Paul Exclusion

26.   VI A Group belong to the valency number is.   (   )

   a) 6   b) 5   c) 4   d) 2

27. NH_3 bond angle   (   )

   a) $109^0.28'$ b) 120^0 c) $107^0.48'$ d) 180^0