2020-21

X– PHYSICAL SCIENCE – (General Science - I)
MODEL PAPER-2, E/M

CLASS-X   PART: A & B   MAX, MARKS: 40   TIME: 1.35 Hrs

PART – A (Marks:30)

Instruction:

1. Read carefully 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

SECTIONS: I(3x2=6 Marks)

Instruction:

1. There are six very short answer questions.

2. Attempt only three questions.

3. Each question carries two marks.

4. Answer each question in 1 or 2 sentences.

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1) Why don't we stored pickles and sour substances in Iron vessels?

2) How do you burn the given cotton by using concave mirror?

3) How can you appreciate the balancing Chemical Equation in a nature?

4) What materials required to connect the resistors in parallel?

5) What happened when our body is containing alkali nature?

6) You are suffering from Acidic problem which food items are you taken?

SECTIONS II (2x4=8 Marks)

Instruction:

1. There are four short answer questions.
2. Attempt only two questions.
3. Each question carries four marks.
4. Answer each question in 4 or 5 sentences.

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7) What purpose the Scientists have arranged all elements in to groups and periods explain reasons?

8) Why do you not use Pauli Exclusion, Aufbau and Hunds rules for one electron?

9) The Doctor advised to use focal length 25 cm lens, what is its power of lens?

10) I have used biconcave lens to correct defect of hyper metropia can you draw the ray diagram to correct hyper metropia defect?

SECTIONS III (2x8=16 Marks)

Instruction:

1. There are four Essay answer questions.
2. Attempt only two questions.
3. Each question carries eight marks.
4. Answer each question in 8 or 10 sentences.

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11) Draw the ray diagrams for concave lens when one objects keeping in different places in front of the concave lens?

12) How can you prepare the cooking soda and write it's use?

13) Prove the acids produce ions only in aqueous solution?

14) Write the steps to balance the chemical Equation on water formation?

PART - B (1x10=10 Marks)

BIT PAPER

Instruction:

1. Answer the all questions.
2. Each question carries one mark.
3. Write a letters (a,b,c,d) showing the correct answer for the following questions in the brackets against them. .

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1) What is Avagrado Number _____ [   ]

   (a) 6.023×10^{22} mol   (b) 6.032×10^{23} mol

   (c) 6.023×10^{23} mol   (d) 6.026×10^{23} mol

2) What type of the mirror has used by dentist ____   [   ]

   (a) Plane mirror   (b) Concave mirror

   (c) Convex mirror   (d) Concave lens

3) Chemical formula is used for _____   [   ]

   (a) atoms   (b) Compound   (c) Element   (d) No one

4) $Cao + H_2O$ _____   [   ]

   (a) $Ca(OH)_2$ (b) Cao   (c) $Ca(OH)$ (d) No one

5) Cuo react with dilute Hcl we get the _____colour   [   ]

   (a) Blue   (b) Green (c) Red   (d) Blueish-Green

6) What type of nature having for seawater   [   ]

   (a) Base   (b) Acid   (c) Neutral   (d)   above all

7) Which compound used for bread or cake making   [   ]

   (a) $Caocl_2$ (b) Nacl   (c) Na_2CO_3 (d)$NaHCO_3$

8) Which metals are used in alloyed in pure Gold   [   ]

   (a) Iron or Copper   (b) Silver or Copper

   (c) Al or Iron   (d) Carbon or Copper

9) Resistance of conductor is inversely proportional   [   ]

   (a) Length (b) cross Section area (c)Nature of material (d) Current

10) 1 Ohm = _____   [   ]

   (a) 1 volt/1 Ampere   (b) Volts   (c) Ampere   (d) NO one