

10th CLASS GENERAL SCIENCE ARTS GROUP – 2023
ALL PUNJAB : LAHORE, FAISLABAD, SARGODHA, SAHIWAL, BAHAWLAPUR,
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CHAPTER NO. 7

ENERGY

MCQ'S- PAGE NO. i, ii, iii, ix

SHORT QUESTIONS:

1. What is the law of conservation of energy?
2. Define the unit of electrical energy.
3. Define environment.
4. Give any three suggestion for the conservation of energy.
5. Write down the names of three conventional methods and five non-conventional methods of producing electricity.

LONG QUESTIONS.

1. Define energy. What is different between kinetic and potential energy? Explain with the help of examples.
2. Describe different forms of energy.
3. What is meant by conservation of energy? State law of conservation of energy.
4. Describe any three non-conventional methods of producing electricity.
5. What is thermal pollution? How is it produced? How does it affect the environment?

CHAPTER NO. 8

CURRENT ELECTRICITY.

MCQ'S – PAGE NO. 127

i, ii, iii, iv

SHORT QUESTIONS.

1. What is an electric current?
2. Which quantities does Ohm's law relate?
3. Define resistance.
4. What are resistors?
5. What is meant by charging of capacitor?
6. What does a step-up transformer do?
7. What does a step-down transformer do?

LONG QUESTIONS.

1. Define electric current. What is conventional current? Explain.
2. Explain potential difference with example. Define its units.
3. What is resistance? Define the unit of resistance.
4. What is the difference between current and alternating current? Explain.

CHAPTER NO. 9**BASIC ELECTRONICS.****MCQ'S – PAGE NO.148 - i, iii, iv, v****SHORT QUESTIONS**

1. Define N-type semi- conductor and P-type semiconductor.
2. Define Hard ware and software.
3. What is Input and Output device?
4. What is word processing?
5. What is Data Managing?
6. What is analogue and Digital computer?

LONG QUESTION.

1. What are n-type and p-type semi –conductors? Where are they used for?
2. How a diode forward is biased and reverse biased? Describe different kind of diodes and write few uses of the.
3. What are the main parts of computer and what do they work?
4. Write a note on communication system.

CHAPTER NO. 10**SCIENCE AND TECHNOLOGY.****MCQ'S- PAGE NO. 166 - i, ii, iii****SHORT QUESTIONS.**

1. Which objects are used for laser?
2. What are called the elements? Which emit radiation?
3. Difference between E.C.G and E.E.G.

LONG QUESTIONS.

1. Define optical fibre. Describe its construction. Principle and working.
2. What is radioactivity? How many are the types of radiations? Describe their characteristics.
3. What are radioisotopes? Write down some of their uses.
4. Write are synthetic fibres?
5. Write a note on leather industry.

CHAPTER NO. 11**SPACE AND NUCLEAR PROGRAMME OF PAKISTAN.****MCQ'S – PAGE NO. 174 - ii, iii, iv****SHORT QUESTIONS**

1. Write down some advantages of artificial satellite.
2. What are the basis objectives of SUPARCO?
3. Where are the nuclear power plants of Pakistan located? What is there total production capacity?

LONG QUESTIONS

1. Write a comprehensive note on the space programme of Pakistan.
2. What are the services of Pakistan Atomic Energy Commission for the achievement of nuclear energy for peaceful purposes?