

**J.E.E./A.I.P.M.T. Foundation - XI Physics Worksheet**

**Time: 30 min**

**Chapter#1 : Physical World-01**

**Full Marks: 20**

**Instructions:**

- 1. All questions are compulsory.**
- 2. Please give the explanation for the answer where applicable.**

Q1 - How physics is related to society?

(2 Marks)

Q2 - State various types of forces in nature.

(2 Marks)

Q3 - Name four physical devices widely used in medical diagnosis.

(2 Marks)

Q4 - Define technology.

(2 Marks)

Q5 - Name a few war time applications of physics?

(2 Marks)

Q6 - Name a few maritime applications of physics?

(2 Marks)

Q7 - Why do we call physics as an exact science?

(2 Marks)

Q8 - Name some German Physicists with their contribution.

(2 Marks)

Q9 - Who proposed the wave theory of light?

(1 Mark)

Q10 - Name the device which is based on amplification of light by population inversion

(1 Mark)

Q11 - How elastic spring forces arise?

(1 Mark)

Q12 - On which scientific principle does optical fibres work?

(1 Mark)