

This Question Paper contains 20 printed pages.
(Part - A & Part - B)

Sl.No. 0106491

11 (E)
(MARCH, 2017)

પ્રશ્ન પેપરનો સેટ નંબર જેની
સામેનું વર્તુળ OMR શીટમાં
ઘટ્ટ કરવાનું રહે છે.
Set No. of Question Paper,
circle against which is to be
darken in OMR sheet.

01

Part - A : Time : 1 Hour / Marks : 50

Part - B : Time : 2 Hours / Marks : 50

(Part - A)

Time : 1 Hour]

[Maximum Marks : 50

Instructions :

- 1) There are 50 Multiple Choice Questions (M.C.Q.) in Part - A and all questions are compulsory.
- 2) The questions are serially numbered from 1 to 50 and each carries 1 mark.
- 3) Read each question carefully, select proper alternative and answer in the O.M.R. sheet.
- 4) The OMR sheet is given for answering the questions. The answer of each question is represented by (A) O, (B) O, (C) O, (D) O. Darken the circle ● of the correct answer with ball-pen.
- 5) Set No. of Question Paper printed on the upper-most right side of the Question Paper is to be written in the column provided in the OMR sheet.
- 6) Rough work is to be done in the space provided for this purpose in the Test Booklet only.

- 1) Microscope is used to observe microscopic objects.

Few microscopes are given below, which one of them is used to see the construction of nano-scale?

- (P) Optical Microscope
 - (Q) Atomic Force Microscope
 - (R) Scanning Tunneling Microscope
- (A) Only P and Q
 - (B) Only P and R
 - (C) Only Q and R
 - (D) All P, Q, R

Rough Work

2) Thermal conductivity of standard SWNT along its length is _____ $\frac{\text{Watt}}{\text{m.K}}$.

(A) 3500

(B) 385

(C) 35000

(D) 35

3) In the following table nature, size and position of images formed by concave mirror are given, which one is wrong?

Option	Position of object	Position of image	Nature of image	Size
A	At infinity	At focus	Real and inverted	Highly diminished
B	Beyond C	Between C and F	Real and inverted	diminished
C	Between C and F	Beyond C	Real and inverted	diminished
D	Between P and F	Behind mirror	Virtual and erect	magnified

