

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

Sl.No.

11 (E)
(MARCH, 2018)

પ્રશ્ન પેપરનો સેટ નંબર જેની સામેનું વર્તુળ OMR શીટમાં ઘટ્ટ કરવાનું રહે છે.
Set No. of Question Paper, circle against which is to be darkened 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) Which type of bond is formed by the carbon with other carbon atoms?

(A) Covalent

(B) Ionic

(C) Metallic

(D) Hydrogen

2) Due to development of which technology, antiaging drugs is invented?

(A) Information technology

(B) Material Science

(C) Biotechnology

(D) Robotics

Rough Work

- 3) Focal length of one convex mirror is 3m and object distance is 5m, then find the image distance.
- (A) $\frac{8}{15}$ (B) $15/8$
(C) $8/5$ (D) $-15/8$
- 4) Which device is used to measure the power of lens?
- (A) Spectrometer (B) Telescope
(C) Ultra microscope (D) Dioptrimeter
- 5) When white light is incident on a blue pigment, which colours are reflected?
- (A) Green + Orange + Yellow
(B) Green + Blue + Violet
(C) Green + Orange + Violet
(D) Only Green
- 6) Optical fibre, which is used in communication, works on which principle?
- (A) Reflection
(B) Total Internal reflection
(C) Dispersion
(D) Refraction
- 7) Which effect is responsible for blue colour of smoke?
- (A) Magnetic effect (B) Thermal effect
(C) Electric effect (D) Tyndall effect

