

This Question Paper contains 20 printed pages.

(Part - A & Part - B)

Sl.No. 0200937

11 (E)

(MARCH, 2018)
(NCERT OTHERS)

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.

02

Question Paper Reading 15 Minutes

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 type Questions 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) Separate OMR sheet is given for answering these questions. The answer of each question is to be given by darkening the circle against options (A), (B), (C), (D). Circle ● representing the most correct answer is to be darken with ball pen.
- 5) Set No. of Question Paper printed on the upper - most right side of the Question Paper, the same is to be written in the space provided in the OMR sheet and circle depicting the correct set No. is to be darken with ball pen.

- 1) Wild Cabbage is being cultivated for thousands of years and humans have generated Broccoli, Cauliflower, Kale etc. from it. This is an example of
(A) Geographic isolation (B) Genetic drift
(C) Natural selection (D) Artificial selection
- 2) One of the following traits of the parents cannot be passed on their future generations. This trait is
(A) Scarred Chin (B) Pointed Chin
(C) Cleft Chin (D) Broad Chin

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- 3) The wings of a housefly and wings of a sparrow are an example of
- (A) Respiratory organs
 - (B) Vestigial organs
 - (C) Analogous organs
 - (D) Homologous organs
- 4) Most of the source of energy we use represent stored solar energy. Which of the following is not ultimately derived from the sun's energy?
- (A) Fossil fuels
 - (B) Wind energy
 - (C) Geothermal energy
 - (D) Bio-mass
- 5) Which of the following constitute a food-chain
- (A) Goat, Cow and Elephant
 - (B) Grass, Goat and Human
 - (C) Grass, Wheat and Mango
 - (D) Grass, Fish and Goat
- 6) Where should an object be placed in front of a convex lens to get a real image of the same size of the object?
- (A) At infinity
 - (B) At twice the focal length of convex lens
 - (C) At the principal focus of the lens
 - (D) Between the optical centre of the lens and its principal focus
- 7) Power of a lens is -4 Dioptres its focal length is
- (A) -0.25m
 - (B) -40cm
 - (C) 4m
 - (D) -25m

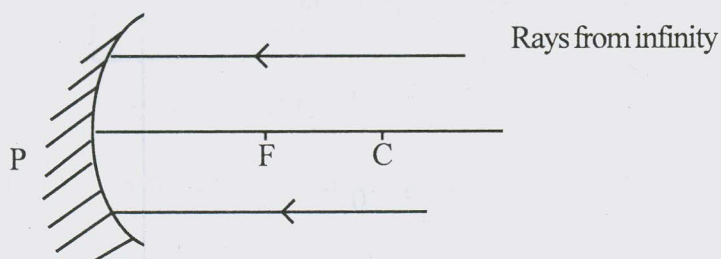
8) The refractive indices of some media are given below

Medium	Refractive index
X	1.51
Y	1.72
Z	1.83
W	2.42

In which of these is the speed of light minimum and maximum, respectively.

- (A) W - minimum, X - maximum
- (B) Z - minimum, W - maximum
- (C) X - minimum, W - maximum
- (D) X - minimum, Z - maximum

9) Where will be the image formed when the ray falling on the concave mirror are coming from infinity?



- (A) Beyond C
- (B) At 'C' (centre of curvature)
- (C) At 'F' (focus)
- (D) Between pole and focus

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