

NSTSE EXAM PATTERN

There will be a different Question Paper for each class. All the questions are objective-type with no negative marking for wrong answers.

Class	No. Of Questions	Marks
2	50	50
3	75	75
4-12	100	100

Division of marks in the Question Paper :

For Classes II :

Mathematics : 25

Science : 25

For Classes III :

Note: (for Class III) Question Paper consists of 75 questions only & 75 marks.

Mathematics : 40

Science : 35

For Classes IV & V :

Mathematics : 45

Science : 45

General Questions : 10

For Classes VI to X :

Mathematics : 25

Physics : 25

Chemistry : 20

Biology : 20

General Questions : 10

For Classes XI & XII (PCM)

Mathematics : 40

Physics : 25

Chemistry	: 25
General Questions	: 10

For Classes XI & XII (PCB)

Biology	: 40
Physics	: 25
Chemistry	: 25
General Questions	: 10

All questions are in objective type only

NSTSE follows CBSE syllabus but Question Papers are also suitable for Students of ICSE/ISC and Various State Board/Matriculation Syllabi.

Sample Papers

(Class XII Physics)

Q-1 In a young's double slit experiment, let S_1 and S_2 be the two slits, and C be the centre of the screen. If . angle $S_1CS_2 = \theta$ and λ is the wavelength, the fringe width will be:

(A) λ/θ (B) $\lambda\theta$ (C) $2\lambda/\theta$ (D) $\lambda/2\theta$

Q-2 In the circuit shown, the potential difference across 3 is:

(A) 2V

(B) 4V

(C) 8V

(D) 16V

Q-3 The circuit given below represents which of the logic operations?

(A)AND

(B)NOT

(C)OR

(D)NOR

Q-4 The ratio of minimum to maximum wavelengths in the Lyman series of radiation that an electron causes in a Bohr's hydrogen atom is:

(A) 1/2

(B) zero

(C) 3/4

(D) 27/32

Q-5 A solid metal sphere of radius 50 cm carries a charge 25×10^{-10} C. The electrostatic potential at a distance of 20 cm from the centre will be:

(A) 15 V (B) 25 V (C) 35 V (D) 45V