

NEET RAY OPTICS AND OPTICAL INSTRUMENTS — SCATTERING OF LIGHT (BLUE SKY, RAINBOW) (OLD SYLLABUS) — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

Q.1 During a cloudy day, a primary and a secondary rainbow may be created, then the :

[NEET (UG) 2022 (Phase 2)]

- (1) secondary rainbow is due to single internal reflection and is formed above the primary one.
- (2) primary rainbow is due to double internal reflection and is formed above the secondary one.
- (3) primary rainbow is due to double internal reflection and is formed below the secondary one.
- (4) secondary rainbow is due to double internal reflection and is formed above the primary one.

Scan or tap for the full solution



Q.2 Pick the **wrong** answer in the context with rainbow.

[NEET (UG) 2019]

- (1) An observer can see a rainbow when his front is towards the sun.
- (2) Rainbow is a combined effect of dispersion, refraction and reflection of sunlight.
- (3) When the light rays undergo two internal reflections in a water drop, a secondary rainbow is formed.
- (4) The order of colours is reversed in the secondary rainbow.

Scan or tap for the full solution



Q.3 The reddish appearance of the sun at sunrise and sunset is due to

[NEET 2013 (Karnataka)]

- (1) the scattering of light
- (2) the polarisation of light
- (3) the colour of the sun
- (4) the colour of the sky

Scan or tap for the full solution



- Q.4** Rainbow is formed due to [AIPMT 2000]
- (1) scattering and refraction
 - (2) internal reflection and dispersion
 - (3) reflection only
 - (4) diffraction and dispersion.

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4							
Ans.	4	1	1	2							