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NEET DUAL NATURE OF RADIATION AND MATTER — DAVISSON–GERMER EXPERIMENT (OLD SYLLABUS) — PYQS

Max. Marks: 8 **Questions:** 2

Section A (MCQ) — 2 questions

Q.1 In the Davisson and Germer experiment, the velocity of electrons emitted from the electron gun can be increased by [AIPMT 2011 (Prelims)]

(1) increasing the potential difference between the anode and filament

(2) increasing the filament current

(3) decreasing the filament current

(4) decreasing the potential difference between the anode and filament

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Q.2 The interplanar distance in a crystal is 2.8×10^{-8} m. The value of maximum wavelength which can be diffracted is [AIPMT 2001]

(1) 2.8×10^{-8} m (2) 5.6×10^{-8} m

(3) 1.4×10^{-8} m (4) 7.6×10^{-8} m

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ANSWER KEY

Ques.	1	2									
Ans.	**1**	**2**									