PAPER SOLUTION

From Meerut

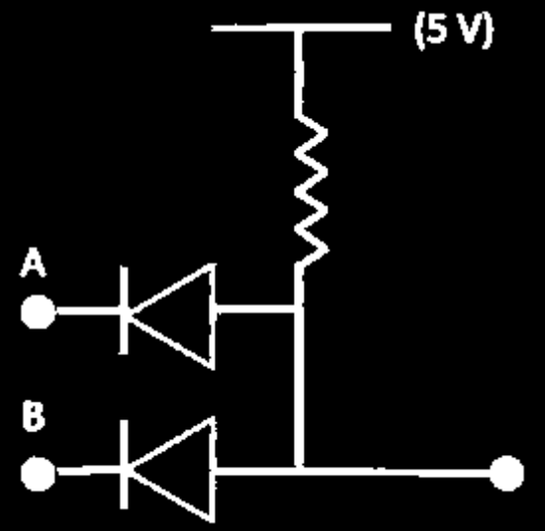
JEE MAIN 2026

JAN	SHIFT
28	2nd

Aryan Agarwal
Founder and CEO
CVPS INTEGRATED STAR COURSE

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. For the circuit given below, identify the logic gate.



(A) AND

(B) NAND

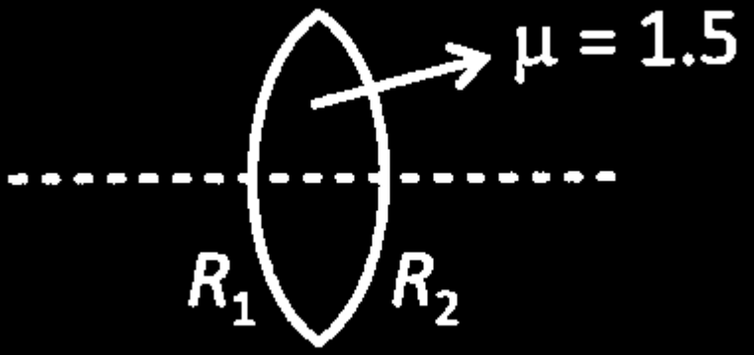
(C) OR

(D) NOR

Ans. (A)

JEE MAIN 2026 PAPER DISCUSSION

#Q. Object is placed at distance 30 cm from lens given below, then distance of image from lens is $(R_1 = 10\ cm, R_2 = 20\ cm)$



A. 36cm

B. 24cm

C. 20cm

D. 30cm

Ans. (B)

JEE MAIN 2026 PAPER DISCUSSION

#Q. If the mass number of nucleus is α, its radius is R_α. And another mass number is β then its radius is R_β; then R_α/R_β = ? [Given$\beta = 8\alpha$]

A 1/2

B 2

C 8

D 1

Ans. (A)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. If position vector is given as $\vec{r} = x\hat{i} + y\hat{j} + z\hat{k}$ and if its signs are reversed then which of the following physical quantity remains unaffected?

A. Acceleration

B. Velocity

C. Displacement

D. Torque

Ans. (D)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Which of following physical quantity is not measurable?

A. Displacement

B. Voltage

C. Voltage difference

D. Acceleration

Ans. (B)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Two light sources of 450 nm and 550 nm are used for YDSE with slit distance 2.25 mm and distance between the slits and screen is 1.5 m. Then the distance from central maxima for which minima of both wavelength coincide?

A 1.65 mm

B 1.20 mm

C 1.30 mm

D 1.40 mm

Ans. (A)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. A beam of power 2 μW is hitting a metal surface. Beam contains photons of wavelength 662 nm. Find number of photons striking per second.

(A) 2×10^{14}

(B) 4×10^{11}

(C) 6.67×10^{12}

(D) 3.2×10^{13}

Ans. (C)

JEE MAIN 2026 PAPER DISCUSSION

#Q. Mean free path of gas particles of diameter 5 Å at temperature and pressure of 41^0C and 1.38×10^5

A 14.14 nm

B 20 nm

C 28.28 nm

D 10 nm

Ans. (C)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Find the percentage error in K, where $T = 2\pi\sqrt{\frac{m}{K}}$. Given that 60 oscillations completes in 50 second. Time resolution is 2 second, m = 10 g and $\Delta m = \pm 10mg$.

A 9%

B 8.1%

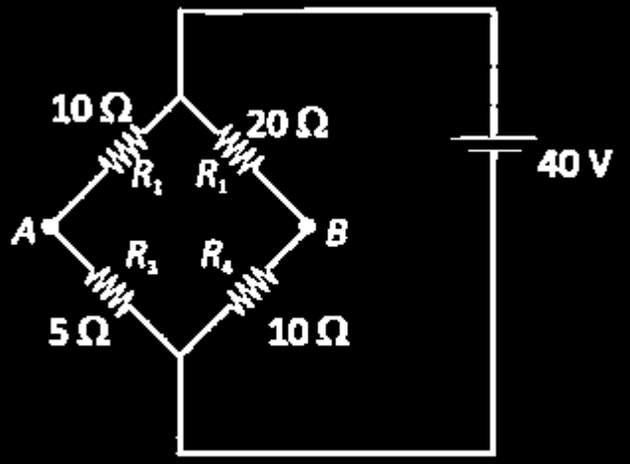
C 8%

D 9.1%

Ans. (B)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. In a balanced Wheatstone bridge $R_2R_3 : R_1R_4$. Because of heating R_3 increases by 20%. Then potential difference across A and B becomes



(A) 2.40 V

(B) 3.60 V

(C) 1.50 V

(D) 1.67 V

Ans. (D)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Match the two columns and choose the correct option.

	Column-I		Column-II
(a)	Coefficient of viscosity	(p)	$[ML^0T^{-2}]$
(b)	Surface tension	(q)	$[ML^{-1}T^{-2}]$
(c)	Pressure	(r)	$[ML^2T^{-2}]$
(d)	Work	(s)	$[ML^{-1}T^{-1}]$

A (a)-(p), (b)-(q), (c)-(r), (d)-(s)

B (a)-(q), (b)-(s), (c)-(p), (d)-(r)

C (a)-(s), (b)-(p), (c)-(q), (d)-(r)

D (a)-(p), (b)-(q), (c)-(s), (d)-(r)

Ans. (C)

JEE MAIN 2026 PAPER DISCUSSION

#Q. Given that $v = \sqrt{\frac{Y}{P}}$. Find the maximum % error in v. Givne that $\frac{\Delta Y}{T} \times 100 = 1\%$ *and* $\frac{\Delta P}{P} \times 100 = 0.5\%$

A. 3/2%

B. ¾%

C. 1%

D. ½%

Ans. (B)