



PHYSICS CLASSES

FREQUENCY
(Let's match our waves)

IIT-JEE (Mains/Adv)/AIIMS/AIPMT/XI/XII

ASHUTOSH CHATURVEDI

(B.Tech.IIT-BHU)

MAGNETIC EFFECT OF CURRENT & MAGNETISM

Date : 01-11-2019

M. M. : 99

	Name	Marks	Rank
1	Dhruv Kumar Agrawal	77	1
2	Palash Agrawal	74	2
3	Himanshi Verma	67	3
4	Sashreek Singh	64	4
5	Tarun Singh	58	5
6	Aditi Banjare	52	6
7	Anushka Chaudhary	23	7
8	Abdul	14	8
9	Abheet	11	9
10	Vedant Agrawal	11	9
11	Harsh Parichha	9	10
12	Jayant	7	11

	Name	Marks	Rank
13	Ujjwal	7	11
14	Praleen Rao	4	12
15	Abhinav Saxena	4	12
16	Prakhar	3	13
17	Ashwin Ekka	2	14
18	Satyam	0	15
19	Mudit Jain	0	15
20	Dev Sethi	0	15
21	Vaibhav Pagariya	-1	16
22	Raj Pincha	-1	16
23	Anubhav	-1	16
24	Shishir Verma	-4	17

ANSWERS KEY

- | | | | | |
|--------------|---|------------|------------|------------|
| 1. (a) | 2. (b) | 3. (a) | 4. (b) | 5. (a) |
| 6. (c) | 7. (a) | 8. (c) | 9. (c) | 10. (c) |
| 11. (c) | 12. (d) | 13. (a) | 14. (c) | 15. (c) |
| 16. (a, c) | 17. (b, c) | 18. (b, d) | 19. (a, d) | 20. (a, d) |
| 21. 1.07 m/s | 22. 4.73 m/s or $4\hat{i} + \frac{8}{\pi}\hat{k}$ | 23. 8 | 24. 3 | |

25. (a) $k = NBA$ (b) $c = \frac{2BiNA}{\pi}$ (c) $\theta_{\max} = Q\sqrt{\frac{BN\pi A}{2Ii}}$

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