

Physics FSC Part 2 Online MCQ's Test

| C- | Overtions | Anguara Chaica |
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| Sr | Questions | Answers Choice |
| 1 | $\mu_{\scriptscriptstyle \odot}$ (Ampere's constant) has value. | A. 4πx10 ⁻⁷ WbA ⁻¹ m ⁻¹ B. 4πx10 ⁻¹⁷ Wbm ² C. 4πx10 ⁷ WbA ⁻¹ MbA ⁻¹ -1 MbA ⁻¹ MbA ⁻¹ MbA ⁻¹ MbA |
| 2 | Electric field intensity at a point is defined by the relation. | A. E= q/F B. E = F/q C. E = qF D. E = F/q2 |
| 3 | The radio active nuclide $_{86}$ Ra 228 decays by a series of emissions of three alpha particles and one beta particle. The nuclide X finally formed is: | A. ₆₄ X ²²⁰ B. ₈₆ X ²²² C. ₈₄ X ²¹⁶ D. ₈₈ X ²¹⁵ |
| 4 | The value of Rydberg constant is | A. 1.0974 x 10 ⁷ m ⁻¹ B. 1.0974 x 10 ⁻⁷ m ⁻¹ C. 1.0974 x 10 ⁶ m ⁻¹ D. 1.0974 x 10 ⁻⁶ m ⁻¹ D. 1.0974 x 10 ⁻⁶ m ⁻¹ |
| 5 | In frequency modulation which factor changed. | A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal |
| 6 | Two parrallel, metal plates are a distance 8.00 m apart. The electric field between the plates in uniform, Directed toward the right, and has a magnitude of 4.00 N/C. If an ion of charge +2e is released at rest at the left-hand plate. What is its kinetic energy when reaches the right-hand plate? | A. 4 eV B. 64 eV C. 32 eV D. 16 eV |
| 7 | If the distance between two charges is halved and charges are also doubled, then force between them will be. | A. Two time B. Four time C. Eight time D. Sixteen time |
| 8 | The Unit of decay constant. | A. Second B. (second)-1 C. m-1 D. mk |
| 9 | The mutual inductance between two coils depends upon their | A. Size B. Core material C. Size, core material and separation D. Separation |
| 10 | Which of the modulus of elasticity is involved in compressing a rod to decrease its length? | A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these |
| 11 | The photo copying process is called | A. Xerography B. Inkjet Printer C. Both (a) and (b) D. None of these |
| 12 | Before and after nuclear reaction the number of protons and neutrons: | A. Must be different B. Must be decreased C. Must be increased D. Remains same |
| 13 | The velocity of an oscillating charge as it moves to and fro along a wire is. | A. Changing B. Constant C. Infinite D. zero |
| 14 | Main reason for world wide use of A.C. is | A. It is cheaper B. Transmitted C. Botha a and b |

| | | D. Reaches in short time |
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| | The electrons in one coulomb change is equal to. | A. 1.6 x 10 ⁻¹⁹ B. 2.25 x 10 ⁻¹⁹ C. 6.25 x 10 ⁻¹⁸ D. 6.25 x 10 ⁻¹⁹ |
| | Choke consumes extremely small | A. Current B. Charge C. Power D. Potential |
| 7 | The motional emf is give by | A. qvB B. IBL C. eBL D. vBL |
| 3 | The illustration of the phenomenon of mutual induction is in the device of | A. Transformer B. Inductor C. A.C. Generator D. Ammeter |
|) | The circuit in which current and voltage are in phase, the power factor is: | A. Zero B. 1 C1 D. 2 |
|) | Which component of the transistor has greater contrition of impurity. | A. Base B. Emitter C. Collector D. Emitter and collector |