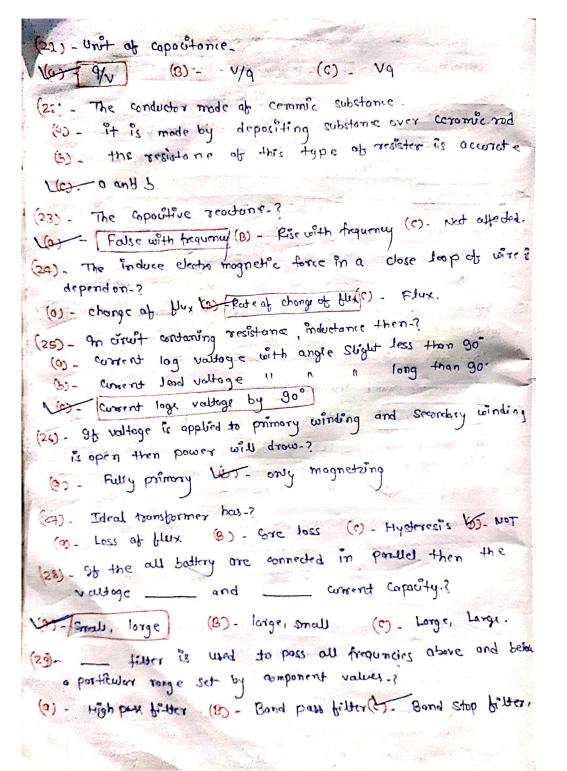
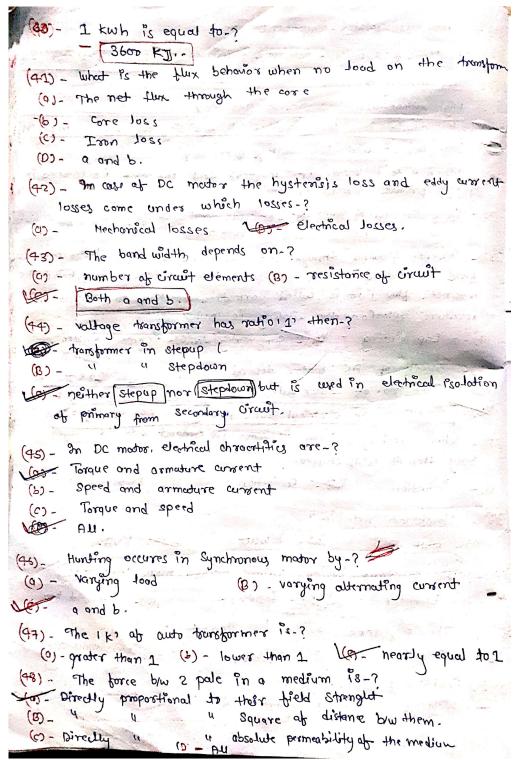


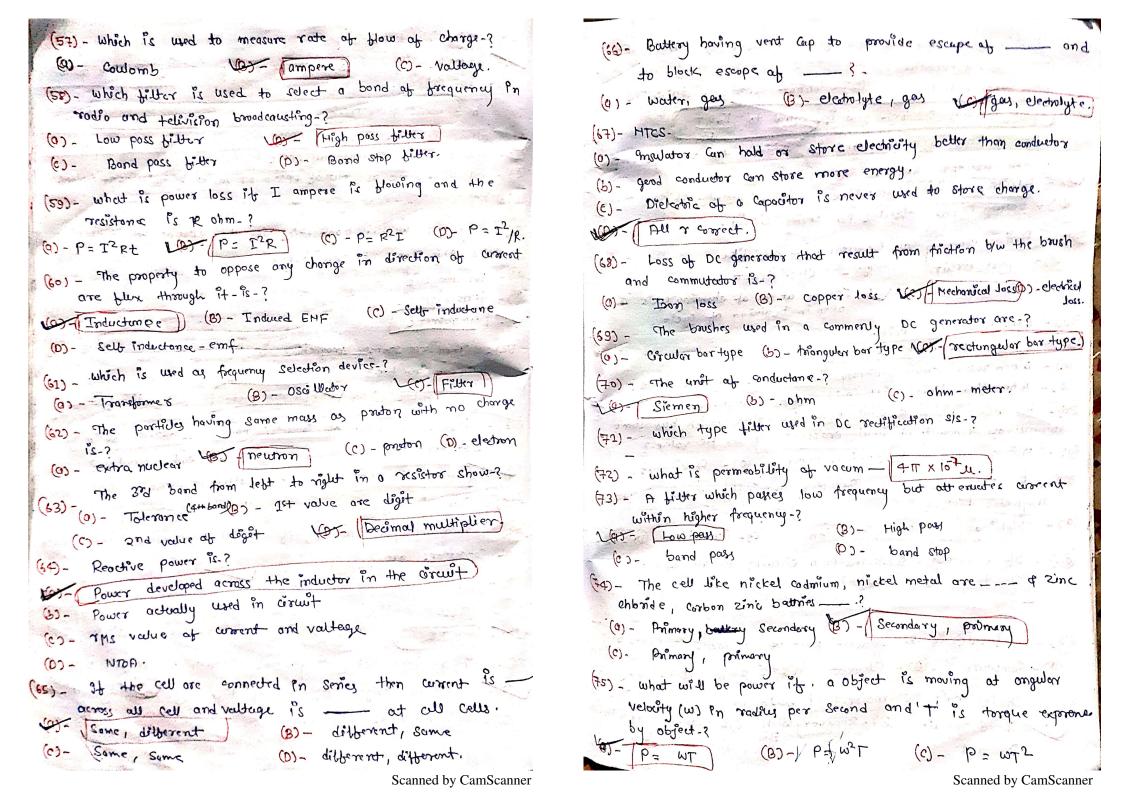
(11) - The principle of magnetism depends on -? (1) - Permittivity (6) - Absolute promobility) - Relative permobility 5) BAC (12) - Madriad have a steady magnetic field has-? High permobility (6) - low promorbility (0) - Hedium permorbility, (3) - It R - resistance of conductor, A - cross section area, L- length P = resistivity then -? (B) L= PR/A (C) .- A = PR/L (14) - It thermisters have negotive tempsedure co-efficient then resistance ___ with senced temprodure? (9) -. 1 (c) - not affected. (15) - 94 work done of loo j'we is performed in loo sec. then power min pe-5 grant survey survey (1) - 10 watt (B) - 100 watt (C) - 1 watt (46) - The electric power mostly developed by-? Met. Peizo electricity B) - Electro magnetic indution () - both (17) - In colour code SIS it conductor has blue and yellow bond (from left to right) then numerical value ore-? (1) - 46 (C) - 74 (D) - 84 (18) - 36 conductor has resistance of 5st and current applied to the conductor 5A then the power -(02 25 world (B) - 5 wolld (J. 125 wolld). (13) - Form factor 15-? May - (ratio at 8 ms value to overage value) (5) - 11 11 peak value to 11 (c) - ration of peak value to rms value (20) - Two capocitor of Capocitance of SHF each connected in Portlet then the total capocity-? 10 Mt (B) - 5 Mt (O- 50 Mb



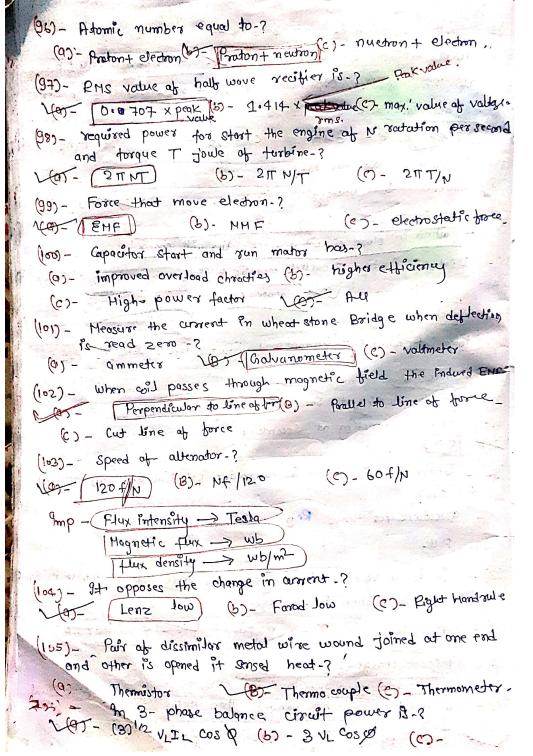
(30) - treducted exported component are-3 101 - Resistance & inductor (3) - Capacitoric & resistance (5) - Inductorice & capacitorie (31) - Lop winding-? (2) - High vallage and low current generator " arrent " " Vallege " - (wholing are connected in partle) low ament and low vallege generator (32) - when a coil redate in magnetic field, the emf is indused in this, produce convent in-? (0) - Some direction of source (85-opposite directional (0) - No current pur current source current 33) - Current flowing through the armature sets of electro magnetic field in winding these new field tend to distort are beind the magnetic flux i'it is called armodure reaction, to contract this ? - busi 21 primary and notation or wind-? Lop winding 195 - Empensatige windi(C) - interpale winding, (21) - Speed of AC motor depend upon? RPM = 120 x f
(0) - the no. of Stator pales. RPM = No-of to. frequency of electrical source power) and no. of poles (25) - When uncharged body is come in contant with the charged body then it will charged -? (a) - induction (a) - Conduction (1) - Electro magnetic induction, 35) - Transformer raded in-? (0) - walt (e) - Kwatt (co) KVA.) - The substance having valonce electron more than 4-? 6- Goductor List- insulator (C). Serviconduto The substance having less than 4-2 100 - Conductor (2) - includor (0 - Semi- conductor 1) - Reactive power .? 1-0-- workage power in reaction of the circult



(29) - Mag metic patential is-? Vos- Scaler quantity (b) - vector quantity (O- Comptex quantity (D) - not defined. (20) - Ju 3- bhase deverager-5 (4)_ Vallage is some across all phase (5) - current is some across all phase (c) - vallage is some and out of phase or vones by a constant value (D) - AU (51) - They are weakly magnetized in the direction of magnetic field, this statement true tor-? (9) - Bramognetic (b) - ferromognetic The do mognetic (52) - They are strongly magnetized in direction of magnetic field, this Statement true for? (O. d'omognet. 4634 fenomagnet (0) - Paramagnete (53) - Partlet conversion of Capocitor have ___ vallage as in all branches and ____ current in each broches.? (B) - different, some (c) - Same jindividual D - different, individual. (54) - In a multiple Capacitor, if partlet plates are n, the number at capacitors are-? (b) - n-1 (b) - n+1 (c) - n-1 (b) - 2h. V = IR (B) - $V = \frac{1}{R}$ (C) - $V = \frac{1}{R}$ (D) - $V = \frac{1}{R}$ on a Lead acid bothry, the copacity is Independent of -? Fate of charge (D) - rate of discharge temprodure Density of electrolyte.



(76) - For a given frequency and given number of pales, the (\$5) = partiet connection of too Capacitor-? speed of alternator-? (a) = Coment additive (B) - Power additive (c) - Trabeg additive(D) - a & b. (1) - Speed varies with load (B) - Connat contribute to speed (86) - 9t three Capacitars, capacitance at 1 UF are connected in series Vet Speed remain constant and is equal to 120+ then net capacitance is-? (c) - 1/3 ME) (% - 3ME (c) - 1/3 PF (D): none (77) - If resistor are connected in scries, the vallage drop across resistor are -? Frankformer loss due to-? Var - Additive (b) - Subtractive (c) - Multiple of each other (a) - Ampere (b) - vollage (c) - - (c) Au P) - valtage is not affected in senies circuit. 58) - During charging at Capacitor, it outs like. (88) - EMI is induced -? - (when in close circuit magnetic they will change) (9) - Short cruit (D) - Close crust (89) - Dreletic, in blw 2 portled metalic plate-? (c) = open arcut (D) short at end at charging cycle of (a) - Resistor (CO)- Capocitor (C)- Inductor open in beginnn of cycle. (79) - EMF indued in coil -Lar- (when the tracked with coil (90) = Synchronous motor-(a) - Power factor conversion - Constant sport (C) - Vallage regulation (D) - AcA (b) - when rator remain stationary in aniform magnetic field. (c) - when flux linked with coil remain stationary. (80) - Ac value which equivalent of DC value which has some (91) - HTCS about transformer -? amount of product of heat crossponding to Ac value-? (0) - love loss testing at Secondary winding is open. (9) - Average value VBT- RHS value (1) - Peak value. (b) - Core loss tensting at secondary load is applied (81) - A prevention of a Conductor from inthe once of an external (A-40) (92) - when load is verted in obternator patential drop on terminal magnetic field-? (9) - Shielding (B) - Conduction (C) - Grounding 6 - run (a) - armoture resistance (B) - armoture reactance (82) - 3t a Capocitor connected in a circuit, due to Capocitive reactonce in a circuit-? (c) - A-4. (93) .. it is a valtage dependent metal oride material whose resistant y sharply when A voltage-? (83) - Malecule is the smallest part of substance is called-? (0) - Thermistor (B) - Register (C) - [Varistocr (0) - Compound (B) - Element (D) - none 194) - Trickle charge-? - fresh and keep the batteries). 135) - 2 resister are in partled then net resistance R is equal (84) - Shaded pale AC mater-? (Deutst)-Speed remain (B) - Speed vary with (C) - Speed vary with (b)- R= R1+ R2 (c)-R= R+R2



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(107) - The time that required to charge 63-10, of vallage sources
 (or Time constant) (b) - Rocte of charge (c) - Time factor (D) . W
 (108)- Material at boush in generation?
Nas- High grode Corbon (b) - Bronze (c) - Iron
 (109) - Attenuation is expressed in-?
                  (b) - Columbs (c) - Hest2
(110) - unit af Capacitance 18-?
 Ver- (6) - Valt/ columbs (c) - columbs x valt.
(111)-

is used to vary the current ? reformand.

Voltage (c)- thermocoupte

(12) 0 10 - the consent one tex
(112) - Power dissipated in inductive reactance at circuit is-?
   (a) - True power (b) - Apperent power (b) - Reactive pow (5) - Absolute
 (13) - Trickle charging method is used to Establish-?
  (a) - Avoid Sulphoution (b) To keep it tresh (c) - To maintain electrify
 (14) - is property of magnetism which oppose the flux
      to pass through it -?
 127- Reductione (b)- Reductify (C)-Specific (D)- Resistant
(115) - Brushes used in Dc generator are -?
   (a) - Square box (b) Recturgular box (c) - Fringular box (D). All.
(116) - In series combination of Capacitor -?
 2) - Charge on each capacitor remain same
 (b) - Potontial difference across each is different
            buth.
(17) - gf lorge resistance required use?
 Vet ( wire wound resistor (6) - Corbon resistor.
 118) - When a metal losses electrony it become-?
 (6) - Possitive Ion (6) - regetive ion (6) - Deuth.
```

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(119) - The type of Cell in which reversible reaction take place-?
  (0) - Pormany cell What Secondary cell) (0) - Morre
 (120) - The speed of drift charge is called the velocity of -?
  (a) - charge (b) - convent
                                        (C) - Valtage.
 (121) - Thermoelectors principle used in-3
   6) - 1 Expanst - gas tempratures.
 (122) - Single pale shaided mator has-?
  (2) - low starting torque (b) - loss ethiciency Way Au.
 [123] - Swilding block of all matter is-?
 Usy- (ATOM) (b) - moleules (c) - Compound
(124) - 9t wen the no- of turns then inductance-
        Tho MYN2 A
(125)- 3-phase induction mater Direction of ratation.?
(26) - In capacitive circuit-?
     - Current lead voltage by 90°
(127) - which is used to measure rate of flow of charge-?
   (9) - Columb (5) + Ampère (8) - Ampère/sec.
(128) - Convert chemical energy into electrical energy-?
  (a) - DC - Generator (b) - Battery (c) - Invester.
(129) - Capocitor is made up of -?
                  (c) - Semi-conductor.
  (a) - conductor
(130) - Two partlet Conductor current in some direction -?
  (9) - Create magnetic flux in apposite direction
  (b) - Create attraction (T) - Both.
(131) - Photo electric methode of electricity is used -?
     - M A/c Sutelity or space probes.
```

```
(159) - Bothery regarding sinc from, magarase cass - primmy cass.
(160' - 9th substance has high primitability of less hystresis has then
       it is used to be-? - electromagnet.
1000 - traintenant of transformer-?
        at magnetic time of force in one material cut then other thens
      - Inutual intection
 (163) - 9t primary at transformer is connected with alternating sinosodial
    Vallage of others is load in series then-?
 (164) - It substance get magnetized in apposite direction to magnetic
     force-3
 - Diamognetic
 (165) - In Copacitor Start induction mater -?
       - shift go bettin start to Rum winding within
 (166) - State of buttery does not depends on-7
         Pedr at charge.
(167) - Strenglet of pole is -?
   - pirely proportional to the pole strenglet of inversely proportional
   to the square of distance blue them.
(168) - of copacitor connected in series-?
   - Charge across both Capocitor is sum.
(169) - Ni-cod & Ni/zn
       - Sec Alkaline
(70) - Factor related to Lead acid buttery -?
     - Vallage, current, efficiency.)
(175 Permittivity of free space-?
   - Me fol x 11 = 1 -
(72) - & opposite effect of Capocitonie of inductance are equal when - ?
     - Resonance.
      Magnetic patential is - Scales quantity.
```

- (174) To Contract the effect of field distorction, shifting brushes increment so which winding is used-? 3) - field winding (5) - Compensating winding (6) - Armature winding (175) - Which property associated with magnetism-? (b)- co excivity was booth. (9) - Peromitivity (176) - The magnet hald some at its magnetism, the property \$6.7 (6) - Reductance 103 = Retaitivity (C) - Permittivity. (177) - Kirchoff low applicable to.? (78) - Direction at rotation can not be changed in-? - single phase shoded pale modor. (179) - Field indensity = Amproex tarn (180) - Kinetic energy KE = 1/2 mv2 (181) - Capacitor Start and run mador has-? (a) - Impresent in outload chradeties Higher elficiency Higher power tador (182) - Reciprocal at reluctance -> (permenance. (183) - To shield items from the effect of flix by sumoundin than with - permeability material. (184) - Thermocouple Junction are made of varity of metal, depend on - temp- range required to measured and the maxim temp to which they are expased. (185) - ROMOS value at sinosidial AC circuit is equal to 743 down at engle of -> 450
- (186) SoI unit of absolute permittivity forms/more,
- (187) 8t a transformer steps up the voltage than It will step down the current by some ratio.
- (188) The value of DC valtage source Can be adjust so that the resistor discipates the same amount of heat as it did when it was in AC circuit -> R.H.s value.
- 189) If two partlet conductor having current in some direction then ->
- 190) Magnet do not lost their permanent megnetism untill temp.
- (191) RMS value at half wave rectifier?

 (0) half af peak value.
- (132) AC Theory-?
- (193) To partled conductor corners in same direction-3,
- (a)- Create magnetic flux in apposit direction.
- Not Create attraction (C). South
- (194) Resistance is independent on-?
 mass of Conductor.
- (195) Interpoles are connected in-?
- (196) magnetic pales are always in -?
- (197) In a DC mater electrical dependent unit are-?

 Torque, voltage.
- 198) Bood The voltage built up process of DC generator is-?

```
(199) - In autotrasformer the amplification factor (K) is-?
 - thanky equal to unity.
(200) - ferrite is a-?
(201) - It substance has high permobility & less hysterist the
        it is used to be-?
      - Electromagnet.
(202) - It magnetic line of force in one matrial out other then
           Mutual induction
(203) - 26 substance get magnetized in apposite direction to
       magnetic force - ?
         Dia magnetic.
(204) -
         Autotrans former?
        - Turn ratio is equal to unity.
(205) - arrent in inductor-?
  (0) - an change instanteneously (b) - an't change instantaneously
  ( )- Has to nice or fall exponentilly 11 - Both B and C
(200) - Power unit 16-2
 (1) - 1/9 405= 3/sec (1). J.9
(207) Total less of transformer depends upon-?
                  (b) . current (c) - Independent on load
(208) - known registerice used in wheatstone bridge are resistent
                Procession (c) - Equal
       Some
 (D) - vanoble
(209) - Self - inductance is sometime analysis Called -?
 (0) - Electronic inertia 45)- Electrical inertia (c) = induction inertia
(210) - when electron is completely removed from atom, it is
       Soud to be-?
    - Ionized.
```

I watt - ? (c). 17/sec (b) - 17 sec (c). 17. (515) - Congretor could museup in come girection-5 (0) - Field strength (B) - Both conductors attached to each other (C) - force will depend upon current Howing through the All (213) - when Capocitor is charged using a D.C Source under Steady condition charging circuit will behave -? (9) - Short circuit (3) open circuit (c) - Depend on type and size at plate at capacitor. 214) - 9 0 ---- battery negative plate plate deteriorades.? 197 - Primary (B) - Secondary (C) - Both. (215) - The property of coil to induced comof nearby coil is 19- Hutual inductore (3) - Self inductore (0) - Self reactor e_ 216) - When a secondary will of transformer is not connected to any ?- niver the primary will drawn? (a) = only magnetizing wasent (B) - maxin current (C) - min current (217). Copocitor in senies-? Vet- Plate Seperation 1, charge & (g) - 10 11 11 11 V 218) - Construction of DC moder-? - armstore, field, brush and end trame assembly. (512) - Isight charging is reduised for-5 - wed fully charged Condition. (220) - unit of resistivity is - ohm-meter. - Conductionie is reciporcal of resistance.

```
(221) - unit of condealthity is?
       20 1/A Siemens /meters.
- 21 rotairov - 15-0
      - non-linear resistor.
(203) - Relative beamability - ?
   - ler=1.
The force blu two magnetic pale placed in medium is-?
      Diretely propositional to pale stringlet
               11 Square of distance blu them.
     inversly
              11 absoult e permeability of courain
       them.
(225) - Hognetic field strenglet (H) -
 -unit is Henry Wwb.
(226) - Flax Density measured in weber/m2 (vector quantity)
(227) - Magnitude of mutual force-?
 - B= 10 12 Wb/m2.
(228) - Amperenturns (AT) - unit at MoHoF.)
(229) - unit of reluctorie is-?
        - AT/Wb.
 (230) - Permeance is responded and implies the case or
      realisess with which magnetic flux is developed. measured in
        MP/ bt or Henry.
(231) - Reductivity - is specific reductance and corresponds to
      resistivity which is specific resistance.
               Ampere-tung = HXI
(535) - during somet 12-3
  (0) - Dynamically indused (8) - Statically indused to both
(233) - self - inductioner - property of cold due to which opposite
      any north or arment at the through it.
       I measured in terms of sofficeret of Sell in
```

(234) - coefficient of self-industria - the meper -turns ber ambere in cost. (235) - Unit of Solt industance is-? (236) - mutual inductionic - deline as a billity of one will to produce comof in a nearby could by induction when the arrest in the first coil changes. (237) - coefficient of mutual inductions. ? - the weber-turns in one could due to one ampere current in the (238) - Coefficient of coupling -? - ratio of mutual inductonce actually present blu the two coil to maxim possible value. 239) _ Capocitor Stort mater-? (0) - improvement in overload characteristic (3) - High efficiency High bower factor (D) - All ?- PTCS related to Interpale-? (a) - Interpoles are placed to below the main pales (B) - The Hold produced by interpal document and the field about the armation Vest auxenter are blaced plm main bales (P) - A-ll. 241) - High magnetising magnet to shield magnet-? (9) - low peremobility (b) - High peremobility (9) medium peremobility 242) - HTCS. Inductance is more, more no. of they lines. 11 no- of flux (8) - a less, (c) - more industance, less line no. of blux. Terminal vallage varies in generator due to-? - Armoduse rotation

```
294) - Constant losses at full load of no load - Core loss.
(245) _ which is (-) temp- coefficient - electrolyte+ carbon.
(206) - Power displated in circuit is - + 2R.
(297) - what is reactive power - P= I2x (x= xclor xc).
        half wore rectifier - VRMS = Vmax
       full wave redifics - VRMs = Umax
(250) _ Internal resistance of battery -?
        min't during charging and mox! during discharging.
(251) - Ceramic Capacitors - (Read about it).
       Tempo Stable
         Permanent magnet-?
 (252) -
         Permocability is less than I.
  (b) -
              is more than I.
  (c) -
 253) - Power is zero when?
  (a) - Purely resistive (b) - Inductor (c) - Copacitor.
       white charging capacitor, A graph was platted which show
                    (b)- current (c)- I.qv
 255) - Parmonent magnet retadority -
          Battry apecity depend upon - (i) rate of discharge
                (3) - Density of electrolyte @ - Quality of
       asthe moderial
       Battery rading - Ampere - hour capaity - Reverse
    3 Zen Gradang power, B call creeting power,
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special and chair arread,

ballage and chair arread,

solve power — It is power which adulty discipated in circuit

residence Police VI

Rootive power — power developed in industive reactionic of

Portive power — power is balled Q - factor

Positive reactions — A linearly with frequency

having reactions — A linearly with frequency.