DATE:

NAME: C BRIMATHI SUBJECT: SCIENCE EXAM: PRE-BOARD-02

- In moving forom left to right in a poriod, the tendency of atoms to lose electron decreases
- 2) It is a series of organic compounds which have same fundional group and similar chemical proporties
  - 3) 9105
- 4) The magnification is I because the Sine of image is equal to sine of object
- 5) It is because need is least scattered by fog or smoke. Therefore it can be seen in the same colour ever from a distant place.
- 6) I diaptere is the pawor of a lens of foral length Imotor.
- J Forom the graph, slope of wire F is greater. Hence, wire F) Pas greater oresistance.



For the wine of some length and some thickness, resistance depends on the nature of material of the wire ie, R=P1&

R2= P2 &

R1 - P1

RX P

Hence were of is housing the moderial of high resistivity

- 3) When a magnetic needle is Conductor, it deflects because a magnetic force is exerted by a magnetic field.
- a) Zero, berows current flows due to potential différence only.
- pollination is not possible but cross-pollunation rowers leading to fertilization and formation of fourt.
- (i) Teranslocations is the teransport of soluble percolated of photographesis in the whole plant.

12) when high energy ultraviolet exaction acts on oxygen. the production of orone gas takes place 02-> 0+0 02 to-> 03 Extration is the biological paracess go lovemer ant ni benderni harmful metabolic waster from the lady. Assertion: Diamond is a conduction of electoricity and heat Reason: Diamond is soluble in all known solvents d) A is false but R is true. OP is true but Ris folse OF is true but R is false (7.1) O Rings of cartilage (7.2) d) Nostrils -> phooryna -> lorynoc -> trachea -> alvedi. 17-3) 6) alvedi of lungs

17.4) d) 11 and 1V

17.5) b) carlon-di-oxide

18-1) c) litmus and methyl arrange 18:2) d) Varilla essence 18.3) a) phonal phthalom 18-4) Willen 18.5) d) 11 and 1V 19.1) (DM2 19.2) b) R=28 19-5) Wintral and exect 20.3) a) RA > RB>RC>RD 20.4) d) less than that of A 20-5) Omore than that of D.

OATE .

21) i) Functions of storrata; a) Goseous ordrange takes plad b) bornes as este of photo synthesis ii) The guard call swall whom water places into those causing the estimatal pore to open. Similarly, the shirth lles because and fix each shrink is Moreovert of organisted blood in the body is as follows: Relmonary Veins -> Left atrium -> Left ventriele -> Systemir a oda -> All points of the body. ii) Dortory has thick elastic wall whoseos vein is this walled as blood is under loss protione in voins If hydrogen gas is prised over heated coppor oxide, the black cotting on the surface turns because as the reaction takes place and Capper is obtained

Caro + 42 A > Cu+ 450

(Blazk)

(Becoun)

i) Cat + 1/20 -> Ca(OH)2

ii) Since the reaction is highly exothornic the solution stanted boiling although it was not baird heated.



25) The corned distr thous he concern in notice ordeter street should be constituted, out tre Eccused the runned of it to storeine the strongest cost was signals The supertition of himilan proportion of elements outer a pregular internal in color to col. atronous of elements The properties of elements Doors tours are group and similar dust some number of volume sleet rens Onthe locain of the organization, we ecuatists car arrive at a hour le low of deriverse. The continue of this how one other anterior i) Both the populate should be condelivering a copy of the faces game 1) For early trait, a short in from the court, one bem otravas Atos iii) If the copiet of the townth age not some, the denimont to six shall get experiend iv) when Framordier is tally-constrat the secretaries to cut of Figure other in the Federical en in in proble of 3:1

28) is Role of decomposors in the envision - ment is decomposers. By these Parocession decomposition, they traineture and atraineture and containent ii) The energy flow through alifferent stops in the food chain is coniderectional. It mars perogress inely from peroducers to consumors in single direction only. The breat door of glucox takes place inthe cell cytoplasm into a three - carbon molecule called pyruvate which is further lardon down and perovide energy as Shown belas: Columna Colombana (Co-Canton) aprimate (3 carbon molecule) > Enorgy Moondain Ctrand+ Carbardi-Cinyosa 2 Could - oxide + Enorgy Lack of ourses Con out > Lastic asid + Energy musclecels (3 conslatule) powerse of carbandioxide + Cin mitocharderia (aster + Energy

(May)

30) Da) The grain Colair of Generals
Sulphate changes to locate ducto
the fromotion of General oride
b) Domellog lowring
sulphur is obtained due to the
formation of sulphur dioxide gas

111)2FeSOU-> FEZOS+ SOS+SOS

30 i) The Prologens are places in gencupits as by the prosperts a hologen

in) a and b are non metals. So, a covalent bond is formed

33) i) B1=25cm= 0.25m

P1= 1/25 240

82=-010m.
Pri -0,1-10D

i) 8:7:7:0:-00

iii) the combination of is diverging in nature Due know that motals have 1 to 3 electrons in-brain outermost abells. E is not a motal though it contains I electron

is) a) a soit has displayed
both Panel R forom their
compaind
b) R as it has been displaced
by both Panel Q
c) Displacement recretion

Organism moderal Reparature A Bouyathyllum Vegetature peopogitum B Plasmadium orushiple firsian

ford padeatine wall which
enables than to remine in
enables than to remine in
infrarable canditions and can
only assuments and perolice
new plant under favorable
conditions
conditions
conditions
conditions
are bidding and enageneation. This
bid develops, gets material and
detacts from the procest cell
to become a new individual.



36 1) A small alumium and & Supended nositontally foran a

stand using a connecting wires

Place a strong horseshoe magnet In such a way that the roa lie

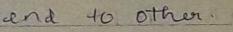
between the two poles with the

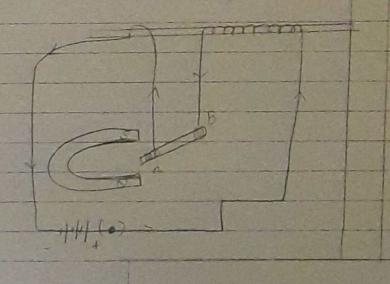
magnetic field directed upwards toor this, the Mosth pole of the magnet vertically below and south pole vertically above the aluminium rod.

Connect the aluminium rod in

sected with a battery, a key and a rheastart pass a current therough

the aluminfum rod from one







ii) Fleming's left hand rule.
Storetin the Thumb, forefinger
and Meddle tinger of your left
hand such that they are mutually
perpenalaular to one another

nand rule, the direction of force is per pendicular to the direction of force of magnetic field and current we know that the condition eurosent is taken opposite to the direction of motion of electrons Therefore, the force is directed upwards from the plane of the paper