p-adic-Lecture-13 Monday, 18 January 2021 p-adic-Lecture-13 67 13. Lecture 13. Summary V-padic field E = GORTINS. Pep(6, B). carte vgv. Rivers of reviords B-vive domais, With Outim of E. Rep[GR, B) - Eentes ling Rep (C, X) Exp (C, B) V; W ( Bow) Delo Wis Balleriss Nt den VM = Law. 3 adle. Ven. fore q vice cettes abolat! Period Visas 1) C=CK = closure of R 2) BAT & C(9) 3) Box , tolkered nos GV BOR - BOTT Don Jours > Rep (6/2) Rp) - Lesevindru by (Q() - midelles. K = Q Deshelit, Porkt.  $L=1L^{ab}=Pp(Moo).$ 6, >60C/T/L/) > W/

1 - In 2 - Gal ( The )

Augala Wis more dervent versin if bles group then Gri.

Rep (Wk, 2) Pap (Wac Rp)

L= Lab

W (2/1/2)=1/x, CFT. Thenem. Der (M(L/K), Rp)= -)-modules over migh. contrution of the vorg counter held Listed of L - field of cher. P. The Day 22+4): - Cim (Zari + Yuri)
F= perfect Geld. claim F= perfector of Ttp(ce)),
w= (P, JP) > P JP , (ce)), () () (T) KCKD=K(llpa) = L=K(lla) == K(llpa) = revfector of Fo (6) 2 = see. clemme = = you desure of F. VB-ROD-PP Ver I = Fp F= 2 W(E) W(F) Kap - K = P (Rp) = K = Plant  $A=O_{x}, O W(T),$ Or A we have adde of 1) C - Foreniers on f 27 = W(M)=0 Pep (W(Rp/ap))=(4, 5) - and area Patam tor C. (at Mbe

a (P, T) - unglace

CR(P) / P(P) IS sur containe

of M. Tyle midule of W. it is given by crowned Gel (Rp ) (Pp) on Mps 5 (Pp) Gol (Quilly) -> Fed (Quilly) = f' Weg) ~ Zp  $W(Q_0)^{ab} = W(Q_0)/\Sigma \supset Q_0^{a}$ Rp\* -> 22p\* z - pv(z) Q(0) Q(1) Q(O) = M=A action of Tis orthat asker of 4 is shall Q/1) = M=A p(8)= 4:4/KI -> P\* P.(8) 2 (8) A(3) CPIW (Qp) => Qp -> x Har 4 In = KlIn 4:W (Rp) = Qp\* Rep (GK, QD) Rep (W,c, Re) - (4, 1) und 1-> In -> Gr -> 22 -> / 1-> I/2 -> W/2 -> 2 Different Point of view in Wz 12 - fine enteun of Qp. Lit 1 æ a Finise Galeis enteurier & L. T= see L/K. 1-262-36-31 1 -> WE -> COK -> [->] E GUNN 1 -> W2/Ex -> Weller 1-21\* -2-10/2 12-31-31 Wx = Cien Wa / Fh

derevipten of the cotagory
(fleg(Up)?

Pep (WE, Pp) - Aggrepr.