Chapter 14 long-Term liabilities
arising from present obligation that are not payable within a year.
* long Term debt has various overants or restrictions () الله من الله ن يو من الل
Ex= Bonds payable , long term note payable , mortgages payable (المنظلة عُلِيةُ عَلَى) pension payable (عادما) , lease liabilities (المنظلة)
Issuing Bonds & coloile-Bond contract (bond industry) lie & Bonds Ul Jupi is
النول من المن الله المن المن المن المن المن المن المن المن
Bonds payable sum of money at maturity date + intrest face value \$1000
Types of Ronds 8 1. Secured and unsecured bonds (secured signific unsecured = significant) 2. Term, subjectional, Serial clipide panel, callable side in inplied 3. Convertible grill yell is commodity-Backed subjection in the proposition Deep Discount bonds -> stR = 0% MIR = 8% Pu of Ronds grill Bonds in the side is the side in the side in the side in the side is the side in the side in the side in the side is the side in the side in the side is the side in the side in the side in the side is the side in the side in the side is the side in the side in the side in the side is the side in the side in the side in the side is the side in the side in the side in the side is the side in the side is the side in the side
5. Income and Revenue Bonds - will citylise in assult Issuance and marketing of bonds to the public:-
* النتوكة صكن تبع يسداها بنعنها أو توكل نبك خصوص ببع السذال إلى ا

Selling price of a bond issue is set by 2 public 3 and 18 * supply and demand * risk * market conditions * state of economy principle عندإجرار السنات الشركة بترفع ع الكل درى + intrest Stated intrest Rate Aarkel Rate or coupt Inominal Rate or effective yield MIR Valuation and Accounting for Bonds 3-(1) intrest paid = face value of the Bond x SIR (3> intrest expense = Carrying value of the Bond X MIR intrest paid - intrest expense = amortized discount/premium. * When SIR = MIR -> Issuance price = parvalue SIR > MIR -> Plemium (cash recired above PU) SIR < MIR -> Discount (cash recived below pv) MIR = 17%, SIR = 9%, 100/000 Bond cinplato -: 13 por my 13 due in 5 years SNUSS * how many Bonds were issued -> 100,000 / 1000 y face value * Discount -> SIR < MIR -> 2 expected cash outflows (1) principle -> PV = fV (PV fins inx) table 6-2 " market Rate tos = 100,000 x 0.59345 (2) intrest payment = pv-OA = Rent x (PV fOAns i 11) = 9000 x 3.69596 intrest paid = 100,000 x SIR = 33263.1 cash 92,608 2

The entry of Dr. cash 92608 Dr. Discomt on Bond payable 7391 Cr. Bonds payable 100,000 -> at face value - premium si discount illo de ce The entry -> Dr. cash cr. Bond payable -9 17 per my - US in 10 800, parvalue 800,000 Cympt 252 intrest rate = 10% -> SER = MER -> Semiannually # of Bonds = 800,000 Dr. cash 800,000 Cr. Bonds payable 800,000 first semiamual intrest payment -> 800,000 × 10x × 1 = 40,000 Dr. intrest expense 40,000 Cr. Cash 40,000 account intrest expense of Dec 31, 2017 Dr. intrest expanse 40,000 ar intrest payable 40,000 8 19 pg , w/ 61 8 * The company issues 800,000 of Bond's at 97 intrest rate = 10x semianned +> cash = 800,000 x 971. = 776,000 → Discount = 800,000 - 776,000 = 24,000 gi 31/ x 800,000 The entry & Dr. cosh 776,000 Dr. Discount on Bonds payable 24,000 Cr. Bords payable 800,000 [3]

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-> amortization of the discount based on S.L.M &
                                                  1200
           - Discount = 24,000
            * of intrest periode
  * Discount is to increase cost of borrowing
  * Intrest paid = PV * SIR = 800,000 x 104 x 1 = 40,000
-> records the first semiannual intrest payment or
     intrest exp = intrest paid + amortized discount = 40,000 + 1200
               Dr. intrest expense 41,200
                         Cr. Discount on Bonds payable 1200
                                                   40,000
  -> at Dec 31 the adjusting entry?
                 Dr. intrest exp 41,200
                          Cr. Discount on Bonds payable 1200
                             intrest payable 40,000
         لا رقم ا2 ← فن المحال العبل مين بدل 97 ← 103 ← 21 مند المحال العبل مين بدل 97
          Cash = 800,000 x 1034. = 824,600
          premium = 24,000
          amortized of the premium = 1200
      The ontry =
            Dr. Oash 824,000
                     Cr. Premium on Bonds payable 24,000
                     Cr. Bond payable
       recorde the first intrest payment?
             Dr. intrest exp (40,000 - 1200) 38,800
             Dr. Premium on Bonds payable 1200
                               cr. cash
                                           40,000
                                   4
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Bonds Issued between Interest Dates &
                                                                نَفَيْحِن أَن عَامِدُ إِجِمَادِ الدِ سَالَ لَمُ السَّاحَيْرِ فِي اجمارِها ي
            Dated -> Jan 1 but issued on March 1 ( cirse ristalion)
           The company issues 10 years bonds dated Jan 1, par value 800,000
             annual intrest rate = 6%. -> semiannually on Jan 1 and July
   احنا متفقيل مع المركة لدفو فالدَّه كل لا المحمد وأدل دفعة في 2017 المال *
   * (4 Month ) July1 - March 1 islaplap of slivel in a
                    لذلك أول ما أبيح اله عدال عنهم وعنولي ع month و المعالية عداله المعالية ال
                                                        لأني لجد ١٧ - جو راج أرفعاهم فوالد عن 6 أ- هو
-> cash received = Issuance price + 2 month (fux SIR x 2)
                                                         - 800,000 + (800,000 x 67. x 2)
                                                          = 808,000
               The entry -
                                                  Dr. cash 808,000
                                                                            or Bond's payable 800,000
                                                                             Cr. intrest payable 8000
                  after 4 month &
                                                    Dr. Intrest expense (800,000 x 64. x 4)
                                                   Dr. Intrest payable (800,000 x61. x2) 8000
                                                                                                                                                                     24,000
                                                                                                cr. cash
            > 6% bonds at 102, in march the entry =
                                                                                                                                                                         - 26
            cash = 800,000 x 102 1/2 + 800,000 x 64. x2) = 824,000
             Premerum = 800,000 x 2%.
                             Dr. cash 824,000
                                                 Cr. Bonds payable 800,000
                                                  Or. Premium on BIP 16,000
                                                   cr. intrest payable 8000
                                                                                                                [5]
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Bileonio	intrest method	d 8-	الطويقة للأدق	nel star9
Bonds into	est expense	- Bond in	lerest Paid = Amorti	zation amount
.V at beginnin	g of Periode X e	effective - t trest Rate	ace amount x SIR of Bonds	- WHO TO M
			٧ 28 ملا	Jl3
		July 1 - Jo		In Marin
			عدة المسنان من	
	E Miller Street		perhaps to I - go while come	$i = 10\% \times \frac{1}{2} < 5$ $n = 5 \times 2 = 10$
→ 2 expecte	d cash outflo	ws: - pv- single	sum + intrest payment	TC-4
	Mar Table of	= 100,000 x (sum + intrest payment 0.61391 + 4000 x 7.7	213
ent = 100,000 x 8	3x.xL	= 61,391	+ 30,887	
= 4000	4	= 92,278	the sunds man	
STEEL TE	* dis	count = 100,0	00 - 92,278	es dess es
	Car pall to h	Charle or other Elia	000 000 00	
The er	stry on Jan	1,2017 = date	of Issue ?-	
		1 00 079		
		h 92,278		The state of the s
		ount on Bonds pay	able 7.722	The state of the s
		ount on Bonds pay		00
		ount on Bonds pay	able 7.722 Bonds payable 100,0	
ماء	pr. Disc	ount on Bonds pay Cr.	able 7.722 Bonds payable 100,0	رة يعس المب
	pr. Disc	ount on Bonds pay Cr.	able 7.722 Bonds payable 100,0	FI M who Bonds
1/1/17	Dr. Disco	ount on Bonds pay Cr. intrest exp	Bonds payable 100,0000000000000000000000000000000000	EN of Bonds 92,278
1/1/17	Dr. Disa	ount on Bonds pay Cr. intrat exp	able 7.722 Bonds payable 100,0 -° 32 Discount Americation 614	EN of Bonds 92,278 92,892
1/1/17 7/1/17 1/1/18	Cash paid 4000	intrest exp 4614 4645	Bonds payable 100,0000000000000000000000000000000000	CV of Bonds 92,278 92,892 93,537
1/1/17 7/1/17 1/1/18 7/1/18	Dr. Disa	intrest exp 4614 4645 4677	able 7.722 Bonds payable 100,0 -° 32 Discount Amortization 614 645	P1 24 - 42 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -
1/1/17 7/1/17 1/1/18	Cash paid Y000 Y000 Y000	intrest exp 4614 4645	able 7.722 Bonds payable 100,0 -° 32 Discount Amortization 614 645 677	CV of Bonds 92,278 92,892 93,537
1/1/17 7/1/17 1/1/18 7/1/18 1/1/19	Cash paid Y000 Y000 Y000	intrest exp 4614 4645 4677 4711	able 7.722 Bonds payable 100,0 -° 32 Discount Amortization 614 645 677	Produce CV of Bonds 92,278 92,892 93,537 94,214 94,925

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record first payment July 1/2017 &
                                          Dr. Intrest expense
                                                                                                                                                               4614
                                                                                Cr. Discount on Bonds Payable 614
                                                                                                                                                                                                                                      4000
                                                                                 Cr. cash
                          > Dec 31, 2017 :-
                                        Dr. Intrest expense 4645
                                                                                                        Cr. intrest payable
                                                                                                                                                                                                                                            4000
                                                                                                         Or. Discount on Bonds paupble 645
                              issued 100,000 on Jan 1,2017 due on Jan 1, 2022
                                                                                                                                                                                                                                                                               الاسرقع 35 هـ
                                SIR = 8%. MIR 6%, effective intrest rate
                                  intrest payable -> July 1 and Jan 1 -> semiannually
                                          n = 5 \times 2 = 10 i = 6 \times = 3 \times = 3
                        7 Rent = PU x SIR = 4000
                                             PU-single sum + intrest payment

⇒ 74409 + 34,121

                                      = 100,000 x 0.74409 + 4000 x 8.53020
                                                                                                                                                                                                                                                                                                                  = 108530
                     premium on bonds payable = 8530
                                                                                                                                                                                                                                                                                                                                     Cu of Bonds
                                                                                                                                                       intrest exp premium amortized
                                                                                 cosh paid
                    Date
                                                                                                                                                                                                                                                                                                                                        108530
         1/1/2017
                                                                                                                                                                                                                                                                                                                                          107 786
                                                                                     4000
        7/1/2017
                                                                                                                                                                                                                                                    766
                                                                                                                                                                                                                                                                                                                                        107020
                                                                                   4000
      1/1/2018
                                                                                                                                                                                                                                                     971
                                                                                                                                                                                                                                                                                                                                       100,000
                                                                                4000
                                                                                                                                                    3029
     1/1/2022
                                                                                                                                                                                                                                                      8050
                                                                                                                                                    31,470
                                                                             40,000
                                                                                                                                                                                                                                                                                                                              CU - premium amortized
The entry on date of issue Jan 1 /2017
                                                                                                Dr. cash 108530
                                                                                                                                                      Cr. premium on Bond's payable
                                                                                                                                                                                                                                                                                                             8530
                                                                                                                                                      Cr. Bords payable
                                                                                                                                                                                                                                                                                                                 160,000
                                                                                                                                                                              王
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recorde first payment & July 1 Dr. Intrest exp 3256 Or. Premium on Bonds payable 744 cr. cash 4000 7 Assumes if The company prepares the financial statements at the end of february 2017 intrest accrual - Premium amortized * intrest expense = $4000 \times 2 - (744 \times 2)$ = 1,333.33 -2 month Jan-feb = 1085.33 Dr. Intrest expense 1085.33 Dr. Premium on Bonds payable 248 Cr. intrest payable 1,333,33 Notes premium on Bonds payable is an Adjunct liability account Discount 11 11 is a contra liability account Extinguishment of Debt & . Esles - A gept's / issued of 95 -> discount parvalue = 800,000 due in 20 years Total discount = 800,000 x 5x. - 40,000 price = 809,000 x 95 x = 760,000 Callable price = 101% x fu / combine of the district of 101% x fu / soul is of the soul in the soul is soul in the soul is soul in the معطىء المقالى -> callable price = 800,000 x 101% = 808,000 -> loss or gain ? -> callable price so Met CV isla

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-> unamortized discount = 40,000
      -> Net carrying value
                           = face value - unamortized discount
                                                      = 3776,000
                               7 Not CU (loss on Rademption)
               callable price
                               7 77,6000
                    808,000
     The entry &
                   Dr. Bonds payable 800,000
                   Dr. loss on Redemption of Bond 32,000
                             Or. Discount on Ronds payable 24,000
                                                     808,000
Note2 + CV = face value + unamortized premium
          = face value - un amortized Discount
    * callable price < Net CU -> gain on Redemption
                 الفكة سحبت 50 1. من السندان منالمون
    assume:
                              نفس الحل سب شنون الارتام د 1.50
    Long Term Notes payable &
                   issues at 10,000, 3 years note at face value
                  The effective pate = 10 %.
     The issuance of thenotes
                 Dr. cash 10,600
                           Cr. Notes payable 10,000
    The introst incurred each year &
                  Dr. intrest expense 1000
                                                     10,000 x 10%.
                               cash
                                    191
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Zero intrest Bearing notes: SIR = 0% always discount
     issued 3 years, 10,000 zero introst boaring note 53 ml Endla
     pv of future cash flows = 7,721.80
         discount = 10,000 - 7721.80 = 2278.20
    "Us intrest paid = 0 SIR = 0% six
       Issuance of the note & Dr. cash 7721.80
                               Dr. Discount on Note payable 2278.20
                                             Cr. Note payable 10,000
Notes > fair value - present value
         face value - future value
        Intrest expense = 7721.80 x 9 % = 694.96
    > recordinatest expense at the end of first year or
                                                                      Dr. intrest expense 694.96
                                   Cr. Discount on Mote payable 694.96
     -7 No cash paid
     Intrest Bearing notes & issued 10,000, 3 years note bearing intrest at 10%.
56 PINN
                           MIR - 12% SIR = 10%.
                           pv of the note = 9520
    the entry ?
                 Dr. oash 9520
                 Dr. Discount on N/P 480 -> (10,000-9520)
                                Cr. Note payable 10,000
     The entry at the end of the first year ?
                Or. intrest expense (9520 x 12%) > 1142
                           Cr. Discounton N/P 142
                           Cr. Cash (10,000 x10%) 1000
                               10
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Special Notes payable Situations &
 -> Notes Issued for property, Goods, or services ?-
        face value = 550,000, gipo clais citais 25,201 - 3 60 70, mm 100
Stated interest rate = 2% MIR = 8% n=5 1=8%
     intrest paid = 550,000 x 24. = # 11,000
     price of Notes = 550,000 x 0.68058 + 11,000 x 3.99271
               = 418,239
     Discount = 550,000 - 418239 = 131,761
-> issuance entry ?
               Dr. Building or construction in process 418239
               Dr. Discount on Notes payable 131,761
                     or. Notes payable
                                                      550,000
    intrest entry?
              Dr. intrest expense 33 459 -> (418239 x 8%)
                       Cr. Discount on Note payable 22459
                       Cr. Cash 11,000
  Mortgage Notes payable -> stes in a jair value option -> ai jar stall air bil
                                                = 87 El 21h
   Ob. issued 500,000 of 6% bonds at face value, chose the fair value ophion
     at Dec 31 2017 -> the value of bonds is 480,000 -> MIR increase to 8%.
        ~ 500,000 - 480,000 = 20,000
   The Bonds payable 20,000

at 15 jis Cr. unrealized Holding gala or loss 20,000
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