





	<p>B.0; k5 &gt;AØAê  ò?ò]- -Lu Q § ° _&gt;Aî 7 Š?ø J</p>
<p>%o – W4â  Ä (QJOÄLVK  6\OODEXV</p>	<p>ÄN« &gt;].08\$ Ê6+BB' È"r Eilõ Ä Ä  &amp;KDSWHU 2YHUYLHZ FUHGLW KRXUV  7KH VWDWXV FXUUHQW VLWXDWLRQ DQG LQWHUFRQVWUDLQJ  7KH PDLQ UHVHDUFK FRQWHQWV LQJLWLRQV LQWHUFRQVWUDLQJ  PDQXIDFWXULQJ XQG HUWKH PRGHWHULQJ LQWHUFRQVWUDLQJ  2EMHFWLYHV WDVNV DQG UHTXLUHPHQWV RI WKH FRQVWUDLQJ</p> <p>&amp;KDSWHU (YROXWLRQ RI SURGXFWLRQ PRGRSW DQG PRGHWHULQJ  KRXUV  (YROXWLRQ RI SURGXFWLRQ PRGRSW DQG PRGHWHULQJ LQWHUFRQVWUDLQJ  (YROXWLRQ RI SURGXFWLRQ PRGRSW DQG PRGHWHULQJ LQWHUFRQVWUDLQJ  &amp;RPSXWHU LQWHUFRQVWUDLQJ PDQXIDFWXULQJ  &amp;RQFXUUHQW (QJLQHULQJ  /HDQ SURGXFWLRQ  \$JLOH PDQXIDFWXULQJ  0DVV &amp;XVWRPL]DWLRQ  ,QGXVWU\ LQWHOOLJHQW PDQXIDFWXULQJ GLJLWDO</p> <p>&amp;KDSWHU 'LJLWDO PDQXIDFWXULQJ WHFKQRORJ\ GLJLWDO  7KH FRQFHSW DQG FRQQRWDLRQ RI GLJLWDO PDQXIDFWXULQJ  7KH PHWKRGORJ\ IRU HQWHUSULWH WR LPSOHPHQW  7HFKQRORJ\ \V\WHP RI WKH GLJLWDO PDQXIDFWXULQJ  .H\ WHFKQRORJLHV  ,QWHUFRQVWUDLQJ SURGXFW LQIRUPDWLRQ PRGHWHULQJ D  6\WHP VLPXODWLRQ  2SWLPL]DWLRQ WHFKQRORJ\  \$,</p> <p>&amp;KDSWHU 7KH GLH DQG PROG LQWHOOLJHQW WHFKQRORJ\ LQWHUFRQVWUDLQJ  KRXUV  0RGHUQ GHVLJQ DQG WHFKQRORJ\ LQWHOOLJHQW &amp;\$'  6RIWZDUH HQJLQHULQJ DQG \V\WHP GHYHORSPHQW  ,QWHOOLJHQW GHVLJQ WHFKQRORJ\ DQG \V\WHP RI LQWHUFRQVWUDLQJ  &amp;RYHU GLH LQWHOOLJHQW GHVLJQ WHFKQRORJ\ DQG  )RUJLQJ GLH LQWHOOLJHQW GHVLJQ WHFKQRORJ\ DQG  &amp;ORXG SODWIRUP VWDQGDUG SDUWV OLEUDU\ &amp;\$' \V\WHP  .H\ FRPPRQ TXHVWLRQV DQG GLVFXVLRQ</p> <p>&amp;KDSWHU &amp;RPSXWHU DLGHG SURFHVV SODWIRUP LQWHUFRQVWUDLQJ  'HVFULSWLRQ DQG WUDQVIHU RI SURGXFWLQJ LQWHUFRQVWUDLQJ  7KH RU\ DQG PHWKRG RI SURFHVV SODQQLQJ GHFLVLRQ  3ULQFLSOH DQG \V\WHPDWLF PHWKRG RI FRPSXWHU LQWHUFRQVWUDLQJ  .QRZOHGJH EDVHG IOH[LQ SURGXFWLRQ VFKHGXD</p> <p>&amp;KDSWHU 1XPHULFDO FRQWURO PDQXIDFWXULQJ LQWHUFRQVWUDLQJ  &amp;1&amp; PDFKLQLQJ WHFKQRORJ\ DQG WHFKQRORJ\ LQWHUFRQVWUDLQJ RI GLJLWDO  0ROG 1&amp; PDFKLQLQJ DQG WHFKQRORJ\ LQWHUFRQVWUDLQJ RI GLJLWDO  *HRPHWULF DQG SK\VLFDO VLPXODWLRQV LQWHUFRQVWUDLQJ RSWLPL]DWLRQ  0ROG PDQXIDFWXULQJ FRVW DVVHVVPHQW DQG UHVRXUFCEOLJQ  0DFKLQH WRRO ZRUNVKRS IDFWRUDQJ IRU DWLQJ LQWHUFRQVWUDLQJ  PDQDJHPHQW</p> <p>&amp;KDSWHU &amp;XUULFXOXP SUDFWLFH KRXPDU\ DQG GLVFXVLRQ  &amp;XUULFXOXP SUSHU SUHVHQWDWLRQ GLVFXVLRQ DQG  9LVLVW &amp;KLQD LQWHUFRQVWUDLQJ DO GLH LQWHUFRQVWUDLQJ WHFKQRORJ\</p>

<p>B.0;?±"r ÄJ·Ä 5HTXLUHP</p>	<p>ÄB.0;63 h é ? Ä63 h 7 ö1y x = A ¾ ‡ Ä ?±"rFJE÷\B.0;,'-•ÄAØAê&gt;-(£0.DÎD%È¼ Q§ ‡F a7-fFP,'*\²%Ä p*6AêÄ°_f3+¼3+5 Î)àé# Èjp»-(£B.NÈ.DO:¼3+5 0 f;ŠÎ,'*pÄ @5 Ö* B.2AØAê CNÉAê .</p>
<p>B.0;?±"r Ä(QJOÄLVK 5HTXLUHP</p>	<p>ÄN«&gt;J·08\$ È6+B B' È"r EiLõ Ä Ä , W LV UHTXLUHG WR PDVWHUVWVWHIR HD CEG W LVFW HFR Q PHWKRGRIGLH DQG PROG GLJLWDO WLQHV WOVXIG\H QVL VFDX UHODWHG VFLHQWLILF UHVHDUËK S VDFWLGFR RQ QVWV RFR VFLHQFH DQG WHFKQRORJ\ VVWHPHG HYHORSPHQW *UDGHV FODVVDFWVWLQGDQIS GLVVHUWDWLRQ</p>
<p>B.0;Ct\$Ä ÄJ·Ä 5HVRXUFH</p>	<p>Ä%€Ä%òÄ5•1 Ct É1y Ä Ä ÉQ§ ‡F fFP °_É F- J*(x/n É)à Q\$AiÄÑ fFP*6Aê &gt; °_É :#§ ÖFW - *(x/n &amp;RPSXWHU \$LGHG 'HVLJQ \$GYDQFHG 0DQXIDFWXULQJ 7HFKQRORJ\ ,QWHOOLJHQW 0DQXIDFWXULQJ 7HFKQRORJ\ &amp;RPSXWHU ,QWHJUDWHG 0DQXIDFWXULQJ</p>
<p>B.0;Ct\$Ä Ä(QJOÄLVK 5HVRXUFH</p>	<p>ÄN«&gt;J·08\$ ÈB' È"r EiLõ Ä Ä 'LH GLJLWDO PDQXIDFWXULQJ WHFKQRORJ\ &amp;KHPLFDO ,C 0RGHUQ GLH DQG PDQXIDFWXULQJ WHFKQRORJ\ -LDR 7RQJUH3UHVV &amp;RPSXWHU \$LGHG 'HVLJQ \$GYDQFHG 0DQXIDFWXULQJ 7HFKQRORJ\ ,QWHOOLJHQW 0DQXIDFWXULQJ 7HFKQRORJ\ &amp;RPSXWHU ,QWHJUDWHG 0DQXIDFWXULQJ</p>
<p>7# 1RWH</p>	