



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**PEPERIKSAAN AKHIR
SEMESTER I
SESI 2013/2014**

NAMA KURSUS : PEMBANGUNAN APLIKASI E-DAGANG
KOD KURSUS : DAT 32504
PROGRAM : 3 DAT
TARIKH PEPERIKSAAN : DISEMBER 2013/JANUARI 2014
JANGKA MASA : 3 JAM
ARAHAN : JAWAB **EMPAT (4)** SOALAN
SEKSYEN A DAN **SATU (1)** SOALAN
SAHAJA SEKSYEN B

KERTAS SOALAN INI MENGANDUNGI SEBELAS (11) MUKA SURAT

SEKSYEN A

- S1** (a) Takrifkan e-dagang pertukaran mata wang asing (*e-forex*).
(4 markah)
- (b) Bincangkan terma-terma di bawah
- (i) Analisis Asas
 - (ii) Indikator Asas
 - (iii) Analisis Teknikal
 - (iv) Indikator Teknikal
 - (v) Harga Minta
 - (vi) Harga Tawar
 - (vii) Pip
 - (viii) Simbol
- (16 markah)
- S2** (a) Takrifkan Perbankan Internet.
(4 markah)
- (b) Senaraikan **LAPAN (8)** langkah untuk membuka akaun CIMB *clicks*.
(8 markah)
- (c) Bincangkan bagaimana untuk memindahkan wang deposit dari akaun CIMB *clicks* anda ke akaun Syarikat Broker InstaForex.
(8 markah)

S3 (a) Takrifkan Strategi *Scalping*.

(4 markah)

(b) Tukarkan aturcara kod sumber Strategi *Scalping* di bawah ke rajah carta alir.

(i) Fungsi *Signal_Sell_Order*

```

if (Order == SIGNAL_SELL && ((EachTickMode && !TickCheck)
|| (!EachTickMode && (Bars != BarCount)))) {
    if(!IsTrade) {
        //Check free margin
        if (AccountFreeMargin() < (1000 * Lots)) {
            Print("We have no money. Free Margin = ",
AccountFreeMargin());
            return(0);
        }

        if (UseStopLoss) StopLossLevel = Bid + StopLoss
* Point; else StopLossLevel = 0.0;
        if (UseTakeProfit) TakeProfitLevel = Bid -
TakeProfit * Point; else TakeProfitLevel = 0.0;

        Ticket = OrderSend(Symbol(), OP_SELL, Lots, Bid,
Slippage, StopLossLevel, TakeProfitLevel, "Sell(#" +
MagicNumber + ")", MagicNumber, 0, DeepPink);
        if(Ticket > 0) {
            if (OrderSelect(Ticket, SELECT_BY_TICKET,
MODE_TRADES)) {
                Print("SELL order opened : ",
OrderOpenPrice());
                if (SignalMail) SendMail("[Signal
Alert]", "[" + Symbol() + "]" + DoubleToStr(Bid, Digits)
+ " Open Sell");
            } else {
                Print("Error opening SELL order :
", GetLastError());
            }
        }
        if (EachTickMode) TickCheck = True;
        if (!EachTickMode) BarCount = Bars;
        return(0);
    }
}

```

(8 markah)

(ii) Fungsi *Signal_Buy_Order*

```

if (Order == SIGNAL_BUY && ((EachTickMode &&
!TickCheck) || (!EachTickMode && (Bars !=
BarCount)))) {
    if(!IsTrade) {
        //Check free margin
        if (AccountFreeMargin() < (1000 * Lots)) {
            Print("We have no money. Free Margin =
", AccountFreeMargin());
            return(0);
        }

        if (UseStopLoss) StopLossLevel = Ask -
StopLoss * Point; else StopLossLevel = 0.0;
        if (UseTakeProfit) TakeProfitLevel = Ask +
TakeProfit * Point; else TakeProfitLevel =
0.0;

        Ticket = OrderSend(Symbol(), OP_BUY, Lots,
Ask, Slippage, StopLossLevel, TakeProfitLevel,
"Buy(#" + MagicNumber + ")", MagicNumber, 0,
DodgerBlue);
        if(Ticket > 0) {
            if (OrderSelect(Ticket,
SELECT_BY_TICKET, MODE_TRADES)) {
                Print("BUY order opened : ",
OrderOpenPrice());
                if (SignalMail) SendMail("[Signal
Alert]", "[" + Symbol() + "]" +
DoubleToStr(Ask, Digits) + " Open Buy");
            } else {
                Print("Error opening BUY order
: ", GetLastError());
            }
        }
        if (EachTickMode) TickCheck = True;
        if (!EachTickMode) BarCount = Bars;
        return(0);
    }
}

```

(8 markah)

S4 (a) Jelaskan perbezaan diantara Indikator Kustom dan Penasihat Pakar.

(6 markah)

(b) Terangkan Indikator Kustom di bawah:

- (i) *Exponential Moving Average*
- (ii) *Average Directional Movement Index (ADX)*
- (iii) *Moving Average Convergence_Divergence (MACD)*

(6 markah)

(c) Diberi maklumat Sistem Mudah Dagangan Berasaskan Harga bagi pasangan mata wang GBPUSD di bawah;

- Harga Semasa adalah 1.4810, Harga Buka bar adalah 1.4832
- Nilai Kunci mesti dikira dahulu. Ia berdasarkan pada Harga Semasa. Bagi sebut Harga 4 digit selepas titik perpuluhan, Nilai Kunci adalah Harga Semasa didarabkan 10 dan dibundarkan.
- Tempatkan pesanan Belian tertunda pada Harga Semasa + (2 * Nilai Kunci).
- Tempatkan pesanan Jualan tertunda pada Harga Semasa - (2 * Nilai Kunci).
- Tempatkan Hentian Rugi bagi pesanan Belian tertunda pada Harga Buka - (2 * Nilai Kunci).
- Tempatkan Hentian Rugi bagi pesanan Jualan tertunda pada Harga Buka + (2 * Nilai Kunci).
- Ambilan Untung bagi kedua-dua pesanan dikira bersamaan dengan Nilai Kunci. Tetapi untuk Harga Semasa mestilah didarab dengan 100 bagi 4 digit selepas titik perpuluhan. Bagi kes di atas, nilai mestilah dibundarkan.
- Hentian *Trailing* diaplikasikan pada pesanan-pesanan dan disetkan pada 2.5 * Nilai Kunci.

Kirakan nilai bagi setiap item di bawah

- (i) Pesanan Had Belian Tertunda.
- (ii) Pesanan Had Jualan Tertunda.
- (iii) Hentian Rugi bagi pesanan Belian Tertunda.
- (iv) Hentian Rugi bagi pesanan Jualan Tertunda.
- (v) Ambilan Untung bagi semua pesanan tertunda.
- (vi) Ambilan Untung bagi pesanan Belian Tertunda.
- (vii) Ambilan Untung bagi pesanan Jualan Tertunda.
- (viii) Hentian *Trailing* bagi kedua-dua pesanan.

(8 markah)

SEKSYEN B

- S5** (a) Jelaskan langkah-langkah utama untuk membangunkan carta dagangan pasangan mata wang GBPUSD pada tempoh masa M30 dengan menggunakan indikator teknikal di bawah ini:

miswan_brain
ADX (5)

(10 markah)

- (b) Terangkan di mana tempat terbaik untuk

- (i) membuat dagangan JUALAN
- (ii) membuat dagangan BELIAN
- (iii) menutup posisi JUALAN
- (iv) menutup posisi BELIAN

(10 markah)

- S6** (a) Jelaskan langkah-langkah utama untuk membangunkan carta dagangan pasangan mata wang GBPUSD pada tempoh masa M30 dengan menggunakan teknikal indikator di bawah ini:

Period 5 EMA Shift 0 and 34 EMA Shift 0
MACD (8, 30, 7)

(10 markah)

- (b) Terangkan di mana tempat terbaik untuk

- (i) membuat dagangan JUALAN
- (ii) membuat dagangan BELIAN
- (iii) menutup posisi JUALAN
- (iv) menutup posisi BELIAN

(10 markah)

-SOALAN TAMAT-

SECTION A

- Q1** (a) Define foreign exchange (forex) e-commerce. (4 marks)
- (b) Discuss the terms below (16 marks)
- (i) Fundamental Analysis
 - (ii) Fundamental Indicators
 - (iii) Technical Analysis
 - (iv) Technical Indicators
 - (v) Ask Price
 - (vi) Bid Price
 - (vii) Pips
 - (viii) Symbol
- Q2** (a) Define an Internet banking. (4 marks)
- (b) List **EIGHT (8)** steps to open an Internet banking CIMB clicks account. (8 marks)
- (c) Discuss how to transfer deposit fund between your CIMB clicks Internet Banking account to InstaForex Broker Company account. (8 marks)

Q3 (a) Define a Scalping Strategy.

(4 marks)

(b) Convert Scalping Strategy source code program below to flow chart diagram.

(i) *Signal_Sell_Order* function

```

if (Order == SIGNAL_SELL && ((EachTickMode && !TickCheck)
|| (!EachTickMode && (Bars != BarCount)))) {
    if(!IsTrade) {
        //Check free margin
        if (AccountFreeMargin() < (1000 * Lots)) {
            Print("We have no money. Free Margin = ",
AccountFreeMargin());
            return(0);
        }

        if (UseStopLoss) StopLossLevel = Bid + StopLoss
* Point; else StopLossLevel = 0.0;
        if (UseTakeProfit) TakeProfitLevel = Bid -
TakeProfit * Point; else TakeProfitLevel = 0.0;

        Ticket = OrderSend(Symbol(), OP_SELL, Lots, Bid,
Slippage, StopLossLevel, TakeProfitLevel, "Sell(#" +
MagicNumber + ")", MagicNumber, 0, DeepPink);
        if(Ticket > 0) {
            if (OrderSelect(Ticket, SELECT_BY_TICKET,
MODE_TRADES)) {
                Print("SELL order opened : ",
OrderOpenPrice());
                if (SignalMail) SendMail("[Signal
Alert]", "[" + Symbol() + "]" + DoubleToStr(Bid, Digits)
+ " Open Sell");
            } else {
                Print("Error opening SELL order :
", GetLastError());
            }
        }
        if (EachTickMode) TickCheck = True;
        if (!EachTickMode) BarCount = Bars;
        return(0);
    }
}

```

(8 marks)

(ii) *Signal_Buy_Order* function

```

if (Order == SIGNAL_BUY && ((EachTickMode &&
!TickCheck) || (!EachTickMode && (Bars !=
BarCount)))) {
    if(!IsTrade) {
        //Check free margin
        if (AccountFreeMargin() < (1000 * Lots)) {
            Print("We have no money. Free Margin =
", AccountFreeMargin());
            return(0);
        }

        if (UseStopLoss) StopLossLevel = Ask -
StopLoss * Point; else StopLossLevel = 0.0;
        if (UseTakeProfit) TakeProfitLevel = Ask +
TakeProfit * Point; else TakeProfitLevel =
0.0;

        Ticket = OrderSend(Symbol(), OP_BUY, Lots,
Ask, Slippage, StopLossLevel, TakeProfitLevel,
"Buy(#" + MagicNumber + ")", MagicNumber, 0,
DodgerBlue);
        if(Ticket > 0) {
            if (OrderSelect(Ticket,
SELECT_BY_TICKET, MODE_TRADES)) {
                Print("BUY order opened : ",
OrderOpenPrice());
                if (SignalMail) SendMail("[Signal
Alert]", "[" + Symbol() + "]" +
DoubleToStr(Ask, Digits) + " Open Buy");
            } else {
                Print("Error opening BUY order
: ", GetLastError());
            }
        }
        if (EachTickMode) TickCheck = True;
        if (!EachTickMode) BarCount = Bars;
        return(0);
    }
}

```

(8 marks)

Q4 (a) Describe the difference between Customs Indicators and Expert Advisors. (6 marks)

(b) Explain Customs Indicators below:

- (i) Exponential Moving Average
- (ii) Average Directional Movement Index (ADX)
- (iii) Moving Average Convergence_Divergence (MACD)

(6 marks)

(c) Given the information of Simple Price-Based Trading Systems for GBPUSD currency pairs below

- The current price is 1.4810, the current bar's open price is 1.4832
- Key number should be calculated first. It's based on the current price. For the quotes with 4 digits after a dot the key value is the current price multiplied by 10 and then rounded.
- Place pending Buy order at Current Price + (2 * Key value).
- Place pending Sell order at Current Price - (2 * Key value).
- Place stop-loss for pending Buy order at Open Price - (2 * Key value).
- Place stop-loss for pending Sell order at Open Price + (2 * Key value).
- Take-profit for both orders is calculated similarly to the key value but the current price should be multiplied by 100 for the quotes with 4 digits after a dot. In above cases the values should be rounded.
- Trailing stop is also applied to the orders and is set to 2.5 * Key value.

Calculate the value for each item below

- (i) Pending Buy order level.
- (ii) Pending Sell order level.
- (iii) Stop-loss for pending Buy order.
- (iv) Stop-loss for pending Sell order.
- (v) Take-profit for all pending orders.
- (vi) Take-profit for pending Buy order.
- (vii) Take-profit for pending Sell order.
- (viii) Trailing stop for both orders.

(8 marks)

SECTION B

- Q5** (a) Describe the stages in the development of GBPUSD currency pairs trading chart for period M30 using technical indicators below:

miswan_brain
ADX (5)

(10 marks)

- (b) Explain where is a good place to

- (i) Opening a **SELL** trade
- (ii) Opening a **BUY** trade
- (iii) Closing a **SELL** position
- (iii) Closing a **BUY** position

(10 marks)

- Q6** (a) Describe the stages in the development of GBPUSD currency pairs trading chart for period M30 using technical indicators below:

Period 5 EMA Shift 0 and 34 EMA Shift 0
MACD (8, 30, 7)

(10 marks)

- (b) Explain where is a good place to

- (i) Opening a **SELL** trade
- (ii) Opening a **BUY** trade
- (iii) Closing a **SELL** position
- (iv) Closing a **BUY** position

(10 marks)

-END OF QUESTION-