

SULIT



BAHAGIAN PEPERIKSAAN DAN PENILAIAN  
JABATAN PENDIDIKAN POLITEKNIK  
KEMENTERIAN PENDIDIKAN TINGGI

JABATAN TEKNOLOGI MAKLUMAT DAN KOMUNIKASI

PEPERIKSAAN AKHIR  
SESI JUN 2015

**DFP3143: WEB DEVELOPMENT**

**TARIKH : 26 OKTOBER 2015**  
**MASA : 8.30 AM – 10.30 AM (2 JAM)**

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Kertas ini mengandungi **SEMBILAN BELAS (19)** halaman bercetak.

Bahagian A: Objektif (30 soalan)

Bahagian B: Struktur/Esei (3 soalan)

Dokumen sokongan yang disertakan : Tiada

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**JANGAN BUKA KERTAS SOALANINI SEHINGGA DIARAHKAN**

(CLO yang tertera hanya sebagai rujukan)

SULIT

## 2016-01-10

1. 100% of the time I am at work I am not able to do my job  
because I am constantly being interrupted by people who  
are not part of my team.

2. I feel like I am not able to do my job well because I am not able to focus.

3. I feel like I am not able to do my job well because I am not able to focus.

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**SECTION A: 45 MARKS****BAHAGIAN A: 45 MARKAH****INSTRUCTION:**

This section consists of **THIRTY (30)** objective questions. Mark your answers in the OMR form provided.

**ARAHAN :**

Bahagian ini mengandungi **TIGA PULUH (30)** soalan objektif. Tandakan jawapan anda di dalam borang OMR yang disediakan.

CLO1  
C1

1. Identify which one of the following is **TRUE** about PHP?  
*Kenalpasti yang manakah antara berikut BENAR tentang PHP?*
  - A. Client Side Scripting  
*Skrip Pelanggan*
  - B. Script that cannot run on different platform  
*Skrip yang tidak boleh berfungsi pada platform yang berbeza*
  - C. Script used for database server  
*Skrip yang digunakan untuk pelayan pangkalan data*
  - D. Server side scripting  
*Skrip Pelayan*
  
2. Which one of the following statement is **TRUE** about dynamic web site?  
*Kenalpasti yang manakah antara berikut merupakan pernyataan yang BENAR bagi laman web dinamik?*
  - A. A website with dynamic content refers to how its messages, text, images and other information are being displayed on the web page.  
*Sebuah laman web dengan kandungan dinamik merujuk kepada bagaimana mesej, teks, imej dan maklumat lain yang dipaparkan di laman web.*
  - B. A web site with dynamic elements such as text and audio.  
*Sebuah laman web dengan unsur-unsur dinamik seperti teks dan audio.*
  - C. A website with dynamic content refers to how the information is being displayed on the web page and the content will not change at any given moment.  
*Sebuah laman web dengan kandungan dinamik merujuk kepada bagaimana maklumat yang dipaparkan di laman web ini dan kandungannya tidak akan berubah pada bila-bila masa yang diberikan.*
  - D. A web site with multimedia elements.  
*Sebuah laman web dengan unsur-unsur multimedia.*

- CLO1      3. Identify the correct HTML tag used to insert a horizontal line in a web page.  
C1            *Kenal pasti tag HTML untuk memasukkan garis mendatar dalam laman web.*

- A. <hr>  
<hr>
- B. <line>  
<line>
- C. <line direction=“horizontal”>  
<line direction= “horizontal”>
- D. <tr>  
<tr>

- CLO1      4. Select the **CORRECT** output for the following program code based on *Figure 1*.  
C2            *Pilih output yang BETUL bagi kod program berikut berdasarkan Rajah 1.*

```
<html><body>
<%response.write("Welcome to My first PHP script!")%>
</body></html>
```

*Figure A1/Rajah A1*

- A. ("Welcome to My first PHP script!")  
*("Welcome to My first PHP script!")*
- B. Welcome to My first PHP script!  
*Welcome to My first PHP script!*
- C. “Welcome to My first PHP script!”  
*“Welcome to My first PHP script!”*
- D. No output  
*Tiada output*

CLO1

C2

5. What is the program code used to create an email?  
*Apakah kod program untuk membangunkan pautan email?*

- A. <a href="xxx@yyy">  
<a href="xxx@yyy">
- B. <mail href="xxx@yyy">  
<mail href="xxx@yyy">
- C. <mail>xxx@yyy</mail>  
<mail>xxx@yyy</mail>
- D. <a href="mailto:xxx@yyy">  
<a href="mailto:xxx@yyy">

CLO1

C3

6. Which one is the correct HTML used to left-align the content inside a table cell?  
*Apakah kod HTML yang betul untuk left-align kandungan di dalam sel jadual?*

- A. <td valign="left">
- B. <tdleft>
- C. <td align="left">
- D. <td leftalign>

CLO2

C2

7. Identify the output for the HTML script below:  
*Kenalpasti output untuk skrip HTML di bawah:*

```
<p> My <b>favorite color</b> is <del>blue</del> <i>red.</i></p>
```

- A. My favorite color is blue red.
- B. My favorite color is red.
- C. My favorite color is red.
- D. My favorite color is blue red.

CLO2

C3

8.

```
<?php  
$i = 0;  
do {  
    echo "hi" . " ";  
    $i++;  
}  
while ($i != 3);  
?>
```

Identify the output from the program code in the command above.

*Kenalpasti output daripada penyataan di atas.*

- A. hi hi hi hi
- B. hi hi hi
- C. hi  
    hi
- D. hi  
    hi  
    hi

CLO2

C3

9. What is the output for the following PHP codes?

*Apakah output dari kod PHP berikut?*

```
<?php  
  
$father="mother";  
  
$mother="son";  
  
echo $$father;  
  
?>
```

- A. son
- B. mother
- C. motherson
- D. error

CLO2 10. What is the output?

C3 *Apakah yang terhasil?*

```
<?php $arr = array(5 => 1, 12 => 2);  
$arr[] = 56;  
$arr["x"] = 42;  
unset($arr);  
echo var_dump($arr); ?>
```

- A. 56
- B. x=42
- C. 42
- D. Null

CLO2 11. Identify one of the following PHP statements that will store 120 in a variable num.

C1 *Kenalpasti yang manakah antara pernyataan PHP berikut akan menyimpan nilai 120 dalam pembolehubah num.*

- A. int \$num=120;
- B. \$num = 120;
- C. int num=120;
- D. 120 = \$num;

CLO2  
C112. Identify the **CORRECT** output for the following PHP code:*Kenalpasti output yang BETUL untuk kod PHP berikut:*

```
$myFav = 6;

if ($myFav == 10) {
    echo "I have $myFav Cheese Tart"; }

elseif ($myFav > 6 && $myFav < 10) {
    echo "I have $myFav Pavlova"; }

elseif ($myFav == 12) {
    echo "I have $myFav Short Bread"; }

else {
    echo "I have $myFav Chocolate Indulgence"; }
```

- A. I have 6 Short Bread
- B. I have 6 Chocolate Indulgence
- C. I have 6 Pavlova
- D. I have 6 Cheese Tart

CLO2  
C113. Identify the **CORRECT** PHP code to set cookie name as **Aspire** which will remain on a client system for **1 hour**.*Kenalpasti kod PHP yang BETUL untuk menetapkan Aspire sebagai nama cookie yang akan kekal pada sistem pelanggan selama 1 jam.*

- A. setcookie("Aspire","name",time( )+0060);
- B. setcookie("name","Aspire",time( )+0060);
- C. setcookie("name","Aspire",time( )+3600);
- D. setcookie("Aspire","name",time( )+3600);

CLO2  
C1

14. Choose the
- CORRECT**
- output for the following code:

*Pilih output yang BETUL untuk kod yang berikut:*

```
<?php
    define('value', 0);

    if (strlen(value) > 0) {
        echo "Hello PHP";
    }
    else {
        echo "Goodbye World"; }
?>
```

CLO2  
C1

15. Based on the code given below, what is the output displayed from the echo command?

*Berdasarkan kod yang diberikan di bawah, apakah output yang dipaparkan dari arahan echo?*

```
$chipsmore = 1;
$jacobs = 5;
$munchys = 0;

for ($oreo = $chipsmore; $oreo<$jacobs; $oreo++)
{
    $munchys += $oreo;
    echo $munchys;
}
```

- A. 20
- B. 15
- C. 9
- D. 10

CLO2

C1

16. Select which one of the following PHP statements is equivalent to `$num1+=$num1;`

- Pilih yang mana satu antara pernyataan PHP yang berikut bersamaan dengan `$num1+=$num1;`
- A. `$num1=$num1;`
  - B. `$num1=$num1+1;`
  - C. `$num1=$num1+$num1+1;`
  - D. `$num1=$num1+$num1;`

CLO2

C2

17. Choose the **CORRECT** output for the arithmetic statement in **Figure A2**.

Pilih output yang **BETUL** bagi pernyataan aritmetik dalam Rajah A2.

12 > 15 && 12 ==15

Figure A2/Rajah A2

- A. False  
*Salah*
- B. True  
*Benar*
- C. 100  
*100*
- D. 4000  
*4000*

CLO2

C2

18. What is the return value of this **substr** function?

Apakah nilai yang akan dipulangkan bagi fungsi **substr** berikut:

<?php  
\$rest = substr("abcdef", -1);  
\$rest = substr("abcdef", 0, -1);  
?>

- A. f,abcde
- B. b,abcdef
- C. a,fedcb
- D. a,abcde

CLO2 19. What is the output?

C2 *Apakah yang terhasil?*

```
<?php  
$x=array("aaa","","ccc","ddd","");  
$y=array_unique($x);  
echo count($x) . "," . count($y);  
?>
```

- A. 3,1
- B. 3,3
- C. 5,4
- D. 5,5

CLO2 20. What is the output?

C2 *Apakah yang terhasil?*

```
<?php  
$color=array("red","yellow","white");  
$x=in_array("black",$color);  
if($x==0)  
    echo "good bye";  
if($x==1) echo "Hello";  
?>
```

- A. Error
- B. Hello
- C. good bye
- D. None of the above

- CLO2  
C3
21. Based on **Table A1** below, database administrator need to get the state code from the student identity card number (refer field name: stud\_ic in **Table A1**).  
What is the **CORRECT** string function to help database administrator to get the state code from student identity card number?

*Merujuk kepada Jadual 1 di bawah, pentadbir pangkalan data perlu mendapatkan kod negeri daripada nombor kad pengenalan pelajar (rujuk medan data: stud\_ic pada Jadual 1). Apakah fungsi yang betul bagi membantu pentadbir pangkalan data untuk mendapatkan kod negeri daripada nombor kad pengenalan pelajar?*

stud_ic	stud_nohp
820823035106	0199053486
820807115379	0129320808

**Table A1 / Jadual A1**

- A. substr(stud\_noic,7,2)  
B. strlen(stud\_noic)  
C. strstr( stud\_noic,7,2)  
D. substr(7,2,stud\_noic)
- CLO2  
C3
22. A Submit button is used to submit a form to a form-handler which is typically a server page with a script for processing input data. What **attribute** should be set in specifying a server-side script to handle the submitted form with sensitive information such as a password?

*Butang hantar digunakan untuk menghantar borang kepada pengendali borang yang biasanya halaman pelayan dengan skrip untuk memproses data input. Apakah atribut yang perlu ditetapkan dalam menentukan skrip bahagian pelayan dalam mengendalikan borang yang dihantar dengan maklumat sensitif seperti kata laluan?*

- A. <form action="process.php" method="GET">  
B. <form action="process.php" method="GET">  
C. <form name="process.php" action="POST">  
D. <form action="process.php" method="POST">

- CLO2 23. Choose the output that will be displayed by the program code in **Figure A3**.  
C3 *Pilih output yang akan dipaparkan oleh kod aturcara pada Rajah A3.*

```
<?php  
$array =  
array(1,2,3,5,8,13,21,34,55)  
$num=0;  
For ($i=0;$i<5;$i++)  
{  
    $num += $array[$array[$i]];  
}  
echo $num;  
?>
```

Figure A3/Rajah A3

- A. 78
- B. 19
- C. Null
- D. 5

- CLO2 24. The **target** attribute in HTML link specifies where to open a linked document. Identify the **CORRECT** script to open the linked document in a new browser window or in a new tab using the link below.  
C3

*Atribut sasaran dalam pautan HTML menentukan di mana pautan dokumen akan dibuka. Kenal pasti skrip yang BETUL untuk membuka pautan dokumen dalam tetingkap pelayar web baru atau dalam tab baru menggunakan pautan di bawah.*

Polytechnic e-Learning Portal

- A. <a href=" http://portal.cidos.edu.my/" target="\_parent">Polytechnic e-Learning Portal</a>
- B. <a href=" http://portal.cidos.edu.my/" target="\_top">Polytechnic e-Learning Portal</a>
- C. <a href=" http://portal.cidos.edu.my/" target="\_blank">Polytechnic e-Learning Portal</a>
- D. <a href=" http://portal.cidos.edu.my/" target="\_self">Polytechnic e-Learning Portal</a>

CLO2 25. Identify a condition mode as in **Figure A4**.

C1 *Kenalpasti mod berdasarkan syarat seperti Rajah A4.*

- Open the file for reading and writing  
*Membuka fail untuk baca dan tulis*
- Places the file pointer at the beginning of the file  
*Menempatkan penunjuk fail pada permulaan fail*

**Figure A4/Rajah A4**

- A. r
- B. w
- C. r+
- D. w+

CLO2 26. What is the SQL statement used to insert new data into the database?

C2 *Apakah pernyataan SQL untuk memasukkan data baru ke dalam pangkalan data?*

- A. ADD RECORD
- B. ADD INTO
- C. INSERT
- D. ADD NEW

CLO2 27. What is the PHP function statement used to connect between PHP and database?

C1 *Apakah pernyataan fungsi untuk membuat sambungan di antara PHP dan pangkalan data?*

- A. \$mysql\_connect (hostname, username, password)
- B. \$mysql\_connect (hostname, password, username)
- C. mysql\_connect (hostname, username, password)
- D. mysql\_connect (hostname, password, username)

CLO2  
C1

28. What is the SQL statement used to remove a record from a STUDENT table?

*Apakah pernyataan SQL untuk membuang sesuatu maklumat daripada jadual STUDENT?*

- A. DROP FROM STUDENT WHERE <condition>
- B. ALTER TABLE STUDENT
- C. DELETE FROM STUDENT WHERE <condition>
- D. DELETE STUDENT

CLO2  
C2

29. Interpret the function of DESC keyword in the following query.

*Terjemahkan fungsi kata kunci DESC di dalam skrip di bawah.*

```
SELECT * FROM MY_TABLE WHERE ID > 0 ORDER BY ID, NAME DESC;
```

- A. It causes the dataset returned by the query to be sorted in descending order.  
*Dataset akan disusun dalam susunan menurun.*
- B. It causes rows with the same ID to be sorted by NAME in ascending order.  
*Rekod dengan ID yang sama akan disusun oleh NAME dalam susunan menaik.*
- C. It causes rows with the same ID to be sorted by NAME in descending order.  
*Rekod dengan ID yang sama akan disusun oleh NAME dalam susunan menurun*
- D. It causes rows to be sorted by NAME first and then by ID.  
*Rekod akan disusun oleh NAME dahulu dan disusuli oleh ID*

CLO2  
C3

30. Select all records from the table named "Student" where the value of the column "FirstName" starts with an "m" using SQL statement.

*Pilih semua rekod daripada jadual "Pelajar" yang mana nilai pada lajur "FirstName" bermula dengan "m" menggunakan pernyataan SQL.*

Figure 5 / Rajah 5

What is the correct SQL query to execute the statement in Figure 5?

*Apakah arahan SQL untuk menjalankan pernyataan dalam Rajah 5?*

- A. SELECT \* FROM Student WHERE FirstName LIKE '%m'
- B. SELECT \* FROM Student WHERE FirstName='m'
- C. SELECT \* FROM Student WHERE FirstName='%'m'%'
- D. SELECT \* FROM Student WHERE FirstName LIKE 'm%'

**SECTION B: 55 MARKS**  
**BAHAGIAN B: 55 MARKAH****INSTRUCTION:**

This section consists of THREE (3) structured questions. Answer ALL questions.

**ARAHAN:**

Bahagian ini mengandungi TIGA (3) soalan berstruktur. Jawab SEMUA soalan.

**QUESTION 1****SOALAN 1**CLO1  
C1

- (a) Explain the following web terminologies:

*Terangkan istilah web berikut:*

- i. Web page  
*Halaman web*
- ii. Web browser  
*Pelayar web*
- iii. Hyperlink  
*Pautan*
- iv. Domain name  
*Nama domain*

[4 marks]  
[4 markah]

CLO1  
C2

- (b) What is an anchor tag in HTML?

*Apakah tag anchor dalam HTML?*

[2 marks]  
[2 markah]

CLO1  
C3

- (c) Write a HTML script to set the table with the border line to 1 and width to 100%.

*Tuliskan skrip HTML untuk menetapkan jadual dengan garisan sempadan kepada 1 dan lebar kepada 100%.*

[2 marks]  
[2 markah]

- CLO2 (d) Based on **Figure B1**, write a HTML script to display output in a web browser.

C2

Berdasarkan **Rajah B1**, tuliskan skrip HTML untuk memaparkan output pada pelayar web.



Figure B1 / Rajah B1

[2 marks]  
[2 markah]

- CLO2 (e) Write a HTML syntax to allow user to choose one of the Gender by using radio button and key in input data into text field component.

C3

Tuliskan HTML sintak bagi membolehkan pengguna memilih jantina dengan menggunakan butang radio dan memasukkan data ke dalam komponen text filed.

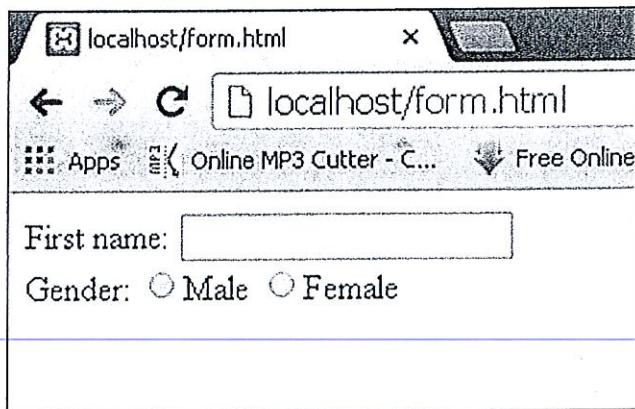


Figure B2 / Rajah B2

[2 marks]  
[2 markah]

CLO2  
C1**QUESTION 2****SOALAN 2**

- a) i) State **THREE (3)** attributes of forms.

*Nyatakan TIGA (3) atribut borang.*

[3 marks]  
[3 markah]

- ii) List **THREE (3)** rules for naming the variable in PHP.

*Senaraikan TIGA (3) syarat-syarat penamaan pembolehubah dalam PHP.*

[3 marks]  
[3 markah]

- iii) State **THREE (3)** differences between GET and POST method.

*Nyatakan TIGA (3) perbezaan antara GET dan POST method.*

[6 marks]  
[6 markah]

CLO2  
C2

- b) Describe **THREE (3)** features in PHP that encourage the usage of PHP in web pages.

*Terangkan TIGA(3) ciri-ciri PHP yang menggalakkan penggunaan PHP dalam laman web.*

[6 marks]  
[6 markah]

CLO2  
C3

e) i) Write the PHP code to display the following output:

*Tuliskan kod PHP untuk memaparkan output seperti di bawah:*

Row No.	Output
1	January,
2	February, March
3	May, May, June,
4	
5	July,

[6 marks]  
[6 markah]

ii) Write a PHP code to print odd numbers between 1 -20 using While statement.

*Tuliskan aturcara PHP untuk mencetak nombor ganjil diantara 1- 20 dengan menggunakan pernyataan While.*[6 marks]  
[6 markah]**QUESTION 3**  
**SOALAN 3**CLO2  
C2

(a) Write a PHP code to open a file named file.txt, read and view a file, add sentence “Success to write in a file” without erasing the existing content of the file and finally close the file.

*Tulis satu kod PHP untuk membuka fail bernama file.txt, baca dan paparkan fail tersebut, kemudian menambah ayat “Success to write in a file” tanpa memadam isi kandungan fail tersebut dan seterusnya menutup fail berkenaan.*[4 marks]  
[4 markah]

- CLO2  
C1 (b) MySQL is the most popular database system used with PHP to manipulate data in the databases. State the **TWO** (2) MySQL features and **THREE** (3) major command in SQL.

*MySQL adalah sistem rangkaian data yang terkenal digunakan bersama PHP bagi tujuan manipulasi data. Nyatakan DUA(2) ciri-ciri MySQL dan TIGA (3) arahan mejar dalam SQL.*

[5 marks]  
[5 markah]

- CLO2  
C2 (c) Write the SQL command used to create ‘Employee’ table to store employee ID, name and addresses to the record. Set the suitable primary key.

*Tulis arahan SQL untuk cipta jadual bernama ‘Employee’ untuk menyimpan rekod berkenaan ID, nama dan alamat pekerja. Tetapkan primary key yang bersesuaian.*

[2 marks]  
[2 markah]

- CLO2  
C3 (d) Based on **Table B1**, write a command to display all male students’ record in Student table by using mysql\_query function.

*Merujuk Jadual B1, tulis arahan untuk paparkan semua rekod pelajar lelaki dalam jadual Student menggunakan fungsi mysql\_query.*

StuID	StuName	StuGender
01DIP14F2045	Aina Nazira	female
01DIP14F2020	Zareef Akmal	male
01DIP14F2015	Harold Stephanie	female
01DIP14F2054	Priya A/P Ramu	female

Table B1 : Student / Jadual B1 : Student

[2 marks]  
[2 markah]

END OF QUESTIONS  
*SOALAN TAMAT*