

SULIT



BAHAGIAN PEPERIKSAAN DAN PENILAIAN  
JABATAN PENDIDIKAN POLITEKNIK  
KEMENTERIAN PENDIDIKAN TINGGI

JABATAN TEKNOLOGI MAKLUMAT & KOMUNIKASI

PEPERIKSAAN AKHIR

SESI JUN 2016

DFP3143: WEB DEVELOPMENT

TARIKH : 23 OKTOBER 2016  
MASA : 8.30 AM - 10.30 AM (2 JAM)

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Kertas ini mengandungi DUA PULUH TIGA (23) halaman bercetak.

Bahagian A: Objektif (30 soalan)

Bahagian B: Struktur (3 soalan)

Dokumen sokongan yang disertakan : Tiada

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JANGAN BUKA KERTAS SOALANINI SEHINGGA DIARAHKAN

(CLO yang tertera hanya sebagai rujukan)

SULIT



**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 web server software  
*Kenalpasti perisian pelayan web*
  - A. Internet Information Server (IIS) and Ajax  
*Internet Information Server (IIS) dan Ajax*
  - B. CERN and LINUX  
*CERN dan LINUX*
  - C. NCSA and Netscape server  
*NCSA dan Netscape server*
  - D. Internet Information Server (IIS) and JavaScript  
*Internet Information Server (IIS) dan JavaScript*

CLO1  
C1

2. Identify client side securities issues  
*Kenalpasti isu keselamatan sebelah client*
  - A. User unable to ensure security of client computer on which PHP scripts will run because of cookies.  
*Pengguna tidak dapat memastikan keselamatan komputer yang mlarikan skrip PHP kerana turut mlarikan cookies.*
  - B. User unable to ensure security of client computer on which PHP scripts will run because of session.  
*Pengguna tidak dapat memastikan keselamatan komputer yang mlarikan skrip PHP kerana turut mlarikan session.*
  - C. Cookies is compulsory to be executed to ensure security of client computer  
*Pengguna memerlukan cookies untuk memastikan keselamatan computer pelanggan.*
  - D. Session is compulsory to ensure security of client computer.  
*Sesi adalah wajib untuk memastikan keselamatan computer pelanggan.*

CLO1  
C1

3. Identify HTML tag for creating hyperlink in a web page.

*Kenal pasti tag HTML untuk mewujudkan pautan dalam laman web.*

- A. < a> http://www.spmp.edu.com.my" >SPMP</a>
- B. < a url ="http://www.spmp.edu.com.my" >SPMP</a>
- C. < a href =http://www.spmp.edu.com.my>SPMP</a>
- D. < a href = "http://www.spmp.edu.com.my">SPMP</a>

CLO1  
C2

4. Identify which of the following is the basic HTML tag to create a table.

*Antara berikut kenalpasti yang manakah merupakan tag HTML asas bagi mencipta sesuatu jadual.*

- A. <tm>, <tr>, <td>
- B. <table>, <tr>, <td>
- C. <tbl>, <td>, <tr>
- D. <tc>, <table>, <tr>

CLO1  
C3

5. Illustrate the correct output for the following HTML tag based on the Figure 1.

Gambarkan output yang betul bagi tag HTML berikut berdasarkan Rajah 1.

```
<table border="1">
  <tr>
    <th>Course</th>
    <th>Credit Hour</th>
  </tr>
  <tr>
    <td>Web Development</td>
    <td>3</td>
  </tr>
  <tr>
    <td>Computer System Architecture</td>
    <td>3</td>
  </tr>
</table>
```

Figure 1/Rajah 1

A.

Course	Credit Hour
Web Development	3
Computer System Architecture	3

B.

Course	Credit Hour
Web Development	3
Computer System Architecture	3

C.

Course	Web Development	Computer System Architecture
Credit Hour	3	3

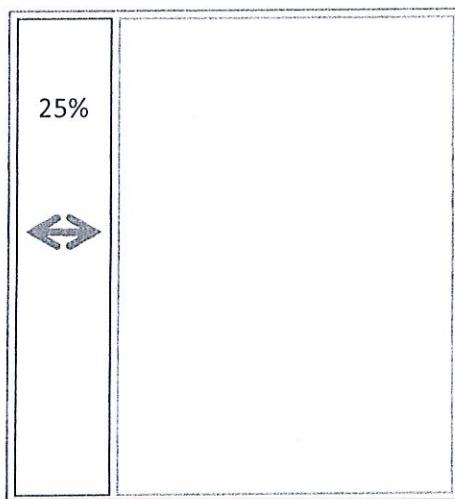
D.

Course	Web Development	Computer System Architecture
Credit Hour	3	3

CLO2  
C2

6. Determine the CORRECT HTML code to create a frame based on **Figure A1**.

*Tentukan kod HTML yang **BETUL** bagi mencipta kerangka berdasarkan Rajah A2.*



**Figure A1/Rajah A1**

- A. <frameset rows="25%,\*"></frameset>
- B. <frameset cols="\*,25"></frameset>
- C. <frameset rows="\*,25"></frameset>
- D. <frameset cols="25%,\*"></frameset>

CLO2  
C3

7. Choose the CORRECT program code to create a text area form.

*Pilih kod program yang **BETUL** untuk membangunkan bentuk ruangan text.*

- A. Address : <input type = "text" name = "address">
- B. Address :<input type = "textarea" name = " address ">
- C. Address :<textarea></textarea>
- D. Address :<input = "text" name = " address ">

CLO2  
C3

8. Choose the correct HTML code to produce output as shown in **Figure A2.**

*Pilih kod HTML yang betul untuk menghasilkan output seperti Rajah A2.*

<input type="checkbox"/>	Watching TV
<input type="checkbox"/>	Sports

**Figure A2 / Rajah A2**

- A. <input type="checkbox" name="hobi" >Watching TV <br><input type="checkbox" name="hobi" >Sports <br>
- B. <input type="checkbox" name="hobi" >Watching TV <br><input type="checkbox" name="hobi" >Sports
- C. <input type="radio" name="hobi" >Watching TV <br><input type="radio" name="hobi" >Sports
- D. <input type="radio" name="hobi" >Watching TV <br><input type="radio" name="hobi" >Sports <br>

CLO2  
C1

9. The current version of PHP stands for \_\_\_\_\_.

*Versi semasa PHP bermaksud \_\_\_\_\_*

- A. Private Home Page
- B. Personal Home Page
- C. Personal Hypertext Processor
- D. PHP : Hypertext Preprocessor

CLO2  
C1

10. Identify the founder of PHP in 1994.

*Kenalpasti pengasas PHP dalam tahun 1994.*

- A. Tim Berners-Lee
- B. Rasmus Lerdorf
- C. Bjarne Stroustrup
- D. Gosling

CLO2  
C1

11. Identify which of the following is TRUE about HTML.

*Kenalpasti yang manakah antara berikut BENAR tentang HTML.*

- A. Server Side Scripting  
*Skrip Sebelah Pelayan*
- B. Client Side Scripting  
*Skrip Sebelah Pelanggan*
- C. Supports SQL standard  
*Sokongan standard SQL*
- D. Script used for database server  
*Skrip yang digunakan untuk pelayan pangkalan data*

CLO2  
C1

12. Identify the `strlen()` function in PHP code.

*Kenalpasti fungsi `strlen()` dalam aturcara PHP.*

- A. Used to search for the character within a string.  
*Digunakan untuk mencari aksara dalam string.*
- B. Used to return the length of a string.  
*Digunakan untuk mengira jumlah aksara pada string.*
- C. Used to put two string values together.  
*Digunakan untuk menggabungkan dua string.*
- D. Used to store variable.  
*Digunakan untuk menyimpan pembolehubah.*

CLO2  
C2

13. Identify the **CORRECT** operator used in PHP.

*Kenalpasti operator yang **BETUL** dalam PHP.*

- i. ==
  - ii. >>
  - iii. !=
  - iv. <=
- A. i and ii  
*i dan ii*
- B. ii and iii  
*ii dan iii*
- C. i,ii and iii  
*i,ii dan iii*
- D. i,iii and iv  
*i,iii dan iv*

CLO2  
C2

14. Based on the code below, select the **CORRECT** statement.

*Berdasarkan kod di bawah, pilih pernyataan yang **BETUL**.*

```
<?php
$x = 25;
$y = "25";

var_dump($x === $y);

?>
```

- A. Returns true because types are equal.  
*Pulangkan nilai benar kerana jenis data adalah sama.*
- B. Returns false because values are not equal.  
*Pulangkan nilai palsu kerana nilai adalah tidak sama.*
- C. Returns false because types are not equal.  
*Pulangkan nilai palsu kerana jenis data adalah tidak sama.*
- D. Returns true because values are equal.  
*Pulangkan nilai benar kerana nilai adalah sama*

CLO2  
C2

15. Identify syntax to create new function named Calculate.

*Kenalpasti sintaks untuk cipta fungsi yang bernama "Calculate".*

- A. function calculate()
- B. new\_function calculate()
- C. new calculate()
- D. create calculate()

CLO2  
C2

16. There are **THREE (3)** different kinds of arrays in PHP and each array value is accessed using an ID which is called array index. Choose the **CORRECT** array type as shown in the code below.

*Terdapat **TIGA (3)** jenis tatasusunan dalam PHP dan setiap nilai tatasusunan dicapai menggunakan ID yang mana dipanggil sebagai indeks tatasusunan. Pilih jenis tatasusunan yang **BETUL** seperti yang ditunjukkan dalam kod dibawah.*

```
<?php
$numbers[0] = "one";
$numbers[1] = "two";
$numbers[2] = "three";
foreach( $numbers as $value ) {
    echo "Value is $value <br />";
} ?>
```

- A. Indexed array / Tatasusunan indeks
- B. Associative array / Tatasusunan bersekutu
- C. Multidimensional array / Tatasusunan Multidimensi
- D. Array / Tatasusunan

CLO2  
C2

17. Which of the Looping statement(s) is/are supported by PHP?  
*Manakah pernyataan ulangan yang dapat disokong oleh PHP?*

- i. for loop
  - ii. while loop
  - iii. do-while loop
  - iv. foreach loop
- A. i and ii  
*i dan ii*
- B. i, ii and iii  
*i, ii dan iii*
- C. All of the mentioned  
*Semua yang dinyatakan*
- D. None of the mentioned  
*Tiada yang dinyatakan*

CLO2  
C2

18. Select the INCORRECT PHP statements given below:  
*Pilih Pernyataan PHP yang SALAH yang diberikan di bawah:*

- i. echo (Web Programming I);
  - ii. echo "Web Programming I";
  - iii. echo "Web Programming I" + "2016";
  - iv. echo "Web Programming I". "2016";
- A. i,ii
- B. ii,iii
- C. i,iii
- D. i,ii,iii

CLO2  
C2

19. Choose the best statement to represent cookies as shown in the code below.

*Pilih pernyataan yang terbaik untuk menerangkan mengenai cookies seperti yang ditunjukkan dalam kod dibawah.*

```
<?php  
setcookie("name", "Delisha", time() + 3600, "/", "", 0);  
setcookie("age", "18", time() + 3600, "/", "", 0);  
?>
```

- A. Create two cookies name and age AND cookies will expire after one day.

*Bina dua cookies iaitu nama dan umur DAN cookies akan tamat selepas sehari.*

- B. Create two cookies name and age AND cookies will expire after one hour.

*Bina dua cookies iaitu nama dan umur DAN cookies akan tamat selepas sejam.*

- C. Create two cookies name and age.

*Bina dua cookies iaitu nama dan umur.*

- D. Cookies will expire after one hour.

*Cookies akan tamat selepas sejam*

CLO2  
C3

20. Trace the output based on the code below.

Dapatkan output berdasarkan kod dibawah.

```
<?php
$familiy = array(
    "Mohamad" => array ("Delisha" => 5, "Nur" => 3, "Nayla" => 1),
    "Sahril" => array ("Afiq" => 9, "Aqil" => 5, "Akif" => 2));
echo "Age Delisha : ";
echo $familiy['Mohamad']['Delisha'] . "<br />";
?>
```

- A. Age Delisha : 3
- B. Age Delisha
- C. ['Mohamad'][['Delisha']]
- D. Age Delisha : 5

CLO2  
C3

21. According to the output below select the PHP code that describes the output.

Berdasarkan output dibawah, pilih kod PHP yang menerangkan output tersebut.

The number is2  
The number is3  
The number is4  
The number is5  
The number is6  
The number is7  
The number is8

- A. <?php  
    \$i=1;  
    do{  
        \$i++;  
        echo "The number  
            is".\$i."<br/>";}  
    while(\$i<=7);  
?>
- B. <?php  
    \$i=1;  
    do{  
        \$i++;  
        echo "The number  
            is".\$i."<br/>";}  
    while(\$i<=8);  
?>
- C. <?php  
    \$i=0;  
    do{  
        \$i++;  
        echo "The number  
            is".\$i."<br/>";}  
    while(\$i<=7);  
?>
- D. <?php  
    \$i=0;  
    do{  
        \$i++;  
        echo "The number  
            is".\$i."<br/>";}  
    while(\$i<=8);  
?>

CLO2  
C3

22. Identify the output to represent strstr() function.

*Kenalpasti output yang mewakili fungsi strstr().*

```
<?php
echo strstr("Goodluck for
final exam! Yeah!", "final");
?>
```

- A. final exam!
- B. final exam! Yeah!
- C. exam!
- D. Error

CLO2  
C3

23. Trace the output.

*Kenalpasti output.*

```
<?php
$number = 123 * 90;
echo substr($number, 3, 1);
?>
```

- A. 7
- B. 70
- C. 10
- D. 0

CLO2  
C3

24. Identify the output for the following script.

Tentukan output bagi skrip berikut.

```
<?php
    $name = "John";
    $message = 'Hello, $name';
    echo $message
?>
```

- A. Hello, John
- B. It will print an error message
- C. Hello, \$name
- D. John, Hello \$name

CLO2  
C1

25. Choose the PHP function that permanently deletes the file in folder.

Pilih fungsi PHP yang memadam fail dalam folder secara kekal.

- A. closedir()
- B. unpath()
- C. delete()
- D. unlink()

CLO2  
C2

26. Which function is used to determine whether a file was uploaded?

Manakah fungsi yang digunakan untuk menentukan sama ada fail yang telah dimuat naik?

- A. is\_file\_uploaded( )
- B. is\_uploaded\_file( )
- C. file\_uploaded("filename")
- D. uploaded\_file ("filename")

- CLO2  
C1      27. Choose the **CORRECT** syntax for the database connection?  
*Pilih sintaks yang BETUL bagi sambungan pangkalan data?*
- A. mysql\_connect (servername, username, password)  
B. mysql\_connect (username, servername, password)  
C. mysql\_connect (username, password, servername)  
D. mysql\_connect (password, servername, username)
- CLO2  
C2      28. What is the SQL statement used to update attribute ‘address’ in **LECTURER** table?  
*Apakah kenyataan SQL yang digunakan untuk mengemasikini atribut ‘address’ dalam jadual PENSYARAH?*
- A. INSERT address INTO LECTURER  
B. ALTER address FROM LECTURER  
C. UPDATE LECTURER SET address = ‘Bayan Lepas’  
D. UPDATE tbl LECTURER SET address = ‘Bayan Lepas’
- CLO2  
C2      29. Choose the **CORRECT** syntax to display all information from table named myEMP.
- A. mysql\_query("SELECT \* FROM table myEMP");  
B. mysql\_query("SELECT \* FROM tbl myEMP");  
C. mysql\_query("SELECT \* FROM myEMP");  
D. mysql\_query("SELECT myEMP");

CLO2  
C3

30. With reference to **Table A1**, change the value of year for Politeknik Kota Bharu into 1985 in polyName table.

*Merujuk pada Jadual A1, ubah nilai tahun untuk Politeknik Kota Bharu kepada 1985 dalam jadual polyName.*

<b>Id</b>	<b>Polytechnic</b>	<b>Year</b>
1	Politeknik Ungku Omar	1969
2	Politeknik Sultan Ahmad Shah	1976
3	Politeknik Sultan Abdul Halim Mu'adzam Shah	1984
4	Politeknik Kota Bharu	0

**Table A1 / Jadual A1**

- A. ALTER TABLE polyName DROP Year;
- B. INSERT INTO polyName (Id, Polytechnic, Year) VALUES (4, 'Politeknik Kota Bharu', 1985);
- C. SELECT \* FROM polyName;
- D. UPDATE polyName SET Year = 1985 WHERE Id = 4;

**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) Describe **TWO (2)** differences between static and dynamic web application.  
*Huraikan **DUA (2)** perbezaan antara aplikasi web statik dan dinamik.*

[4 marks]  
[4 markah]

CLO1  
C2

- b) Identify how to add picture (mypic.jpg) using HTML code.  
*Jelaskan bagaimana untuk menambah gambar(mypic.jpg) menggunakan aturcara HTML.*

[2 marks]  
[2 markah]

CLO1  
C3

- c)
- ```
<a href ="http://www.spmp.edu.my" target="_blank">
```

Explain the use of statement `target="_blank"` for the above code.

*Nyatakan kegunaan pernyataan `target="_blank"` berdasarkan kod di atas.*

[2 marks]  
[2 markah]

CLO2  
C2

- d) Write the HTML code to generate a Web Page in the statement given below:

*Tuliskan aturcara HTML bagi menghasilkan paparan berdasarkan pernyataan dibawah:*

- i) Text should be bold and italic.

*Tulisan ditebalkan dan disendangkan.*

[1 mark]  
[1 markah]

- ii) Text style should be Comic Sans MS and colour should be Red.

*Menggunakan tulisan jenis “Comic Sans MS” dan teks berwarna merah.*

[1 mark]  
[1 markah]

CLO2  
C2

- e) Define the function comment and state the format of comments in HTML code.

*Jelaskan fungsi komen dan nyatakan format bagi komen dalam kod HTML.*

[2 mark]  
[2 markah]

**QUESTION 2****SOALAN 2**

CLO2

C1

- a) i) Define PHP variables.

*Takrifkan pembolehubah PHP.*

[2 marks]  
[2 markah]

- ii) State **TWO (2)** basic statements to get output in PHP.

*Nyatakan **DUA (2)** kenyataan asas untuk mendapatkan output dalam PHP.*

[2 marks]  
[2 markah]

- ii) Describe the function of concatenation operator.

*Terangkan fungsi operator 'concatenation'!*

[2 marks]  
[2 markah]

- iii) List **THREE (3)** types of PHP operators.

*Senaraikan **TIGA (3)** jenis operator PHP.*

[3 marks]  
[3 markah]

- iv) Name **THREE (3)** types of looping statement.

*Namakan **TIGA (3)** jenis pernyataan gegelung.*

[3 marks]  
[3 markah]

CLO2

C2

- b) i) Identify output for the following functions.

*Kenalpasti output bagi fungsi-fungsi berikut.*

- i.    `strstr("politeknik kuala terengganu", "kuala");`
- ii.    `substr("politeknik kuala terengganu ", -4, 2);`

[4 marks]  
[4 markah]

- ii) Write the PHP code to display the following output.

*Tuliskan kod PHP untuk memaparkan output tersebut.*

My Course
1. Web Development
2. Algorithm and Data Structures
3. Problem Solving And Program Design

[4 marks]  
[4 markah]

CLO2  
C3

- c) i) Write PHP code to print numbers between 1 - 7 using Do While statement.

*Tuliskan aturcara PHP untuk mencetak nombor di antara 1-7 dengan menggunakan pernyataan Do While.*

[6 marks]  
[6 markah]

- ii) According to **Figure B1** output, when the user fills in the form and click on the submit button, the form data is sent to the "welcome.php". Create "welcome.php" file and display output name and age.

*Menurut output **Rajah B1**, apabila pengguna mengisi borang dan klik pada butang hantar, data borang dihantar pada "welcome.php". Cipta fail "welcome.php" dan paparkan output nama dan umur.*

Name:	<input type="text"/>
Age:	<input type="text"/>
<input type="submit" value="Submit"/>	

**Figure B1 / Rajah B1**

[4 marks]  
[4 markah]

**QUESTION 3**  
**SOALAN 3**

CLO2  
C2

- a) Describe **FOUR (4)** steps required to read a file with PHP.

*Terangkan **EMPAT (4)** langkah yang diperlukan untuk membaca fail dengan PHP.*

[4 marks]  
[4 markah]

CLO2  
C2

- b) Identify the function of each label (A, B ,C, D and E) in **Table B1**.

*Kenalpasti fungsi bagi setiap label (A, B, C , D and E) dalam **Jadual B1**.*

Source Code	Task
<?php \$dbhost = 'localhost:3036'; \$dbuser = 'root'; \$dbpass = 'rootpassword'; \$conn = mysql_connect(\$dbhost, \$dbuser, \$dbpass);  if(! \$conn ) { die('Could not connect: ' . mysql_error()); }	A
\$sql = 'INSERT INTO employee '. '(emp_name, emp_address, emp_salary, join_date) '. 'VALUES ( "guest", "XYZ", 2000, NOW() )';	B
mysql_select_db('test_db'); \$retval = mysql_query( \$sql, \$conn );	C
if(! \$retval ) { die('Could not enter data: ' . mysql_error()); }  echo "Entered data successfully\n";	D
mysql_close(\$conn); ?>	E

**Table B1 / Jadual B1**

[5 marks]  
[5 markah]

- ii) Write a general PHP codes to delete records from a table.

*Tuliskan kod PHP yang umum untuk hapus rekod daripada jadual.*

[2 marks]  
[2 markah]

CLO2  
C3

- c) Figure A2 shows a table of CAT. Based on the figure, write the SQL query to calculate total of cats and named the column as 'JUMLAH'.

Rajah A2 menunjukkan jadual bagi CAT. Berdasarkan rajah tersebut, tuliskan pernyataan SQL untuk mengira jumlah kesemua kucing dan namakan kolumnya sebagai JUMLAH.

			<b>id</b>	<b>gender</b>	<b>species</b>	<b>date</b>	<b>total</b>
<input type="checkbox"/>	<input type="checkbox"/>	X	1	male	parsi	2011-10-01	2
<input type="checkbox"/>	<input type="checkbox"/>	X	2	male	siamese	2011-10-05	5
<input type="checkbox"/>	<input type="checkbox"/>	X	3	female	Turkish Van	2011-10-01	3
<input type="checkbox"/>	<input type="checkbox"/>	X	4	female	Ceylon	2011-10-12	10

Figure A2 / Rajah A2

[2 marks]  
[2 markah]

SOALAN TAMAT