

PART VII

Mock Papers

Five full-course mock papers of 41 questions each – one question from every chapter and the project. Answer keys are in Appendix B; explanations are in Appendix A.

Mock Paper 1

41 questions · one from each of the 41 chapters and the project · choose one option per question. Write your answers on a separate sheet, then check them with the answer key in Appendix B (Mock Paper 1).

1. Which function rounds 4.1 up to 5?

- | | |
|--------------------|-------------------|
| A. intval() | B. round() |
| C. floor() | D. ceil() |

2. Which function validates a date?

- | | |
|-----------------------|------------------------|
| A. validate() | B. date_check() |
| C. checkdate() | D. isdate() |

3. In the project, an access_level of 2 means:

- | | |
|-------------------------|---------------------|
| A. Administrator | B. Moderator |
| C. User | D. Guest |

4. Which function was removed in PHP 8.0?

- | | |
|-----------------------------|----------------------------|
| A. function_exists() | B. func_get_args() |
| C. create_function() | D. call_user_func() |

5. In SimpleXML, the attribute id of \$book is read as:

- | | |
|------------------------------|------------------------|
| A. \$book->id | B. \$book['id'] |
| C. \$book->attr('id') | D. \$book@id |

6. Which enctype is required for file uploads?

- | | |
|-------------------------------|---|
| A. text/plain | B. application/x-www-form-urlencoded |
| C. multipart/form-data | D. application/json |

7. `5 === "5"` evaluates to:

- A.** false
- B.** An error
- C.** 5
- D.** true

8. In OOP style, the number of rows in a `SELECT` result is:

- A.** `$conn->rows`
- B.** `$result->count()`
- C.** `$conn->num_rows`
- D.** `$result->num_rows`

9. Which statement selects one of many blocks by comparing one value with several labels?

- A.** while
- B.** if
- C.** switch
- D.** foreach

10. Which Control Panel button shows which program is using a port?

- A.** Shell
- B.** Explorer
- C.** Netstat
- D.** Services

11. In a CMS, content should be:

- A.** Hard-coded in PHP files
- B.** Separate from the design
- C.** Edited only by the developer
- D.** Stored in cookies

12. Which interface needs only the `getIterator()` method?

- A.** Iterator
- B.** Countable
- C.** Traversable
- D.** IteratorAggregate

13. Which function returns one column of a two-dimensional array?

- A.** `array_column()`
- B.** `array_slice()`
- C.** `array_chunk()`
- D.** `array_values()`

14. Which of these is a server-side state management option?

- A.** Session
- B.** Cookie
- C.** Query string
- D.** Hidden field

15. In the convention described, which file type should contain no SQL?

- A.** .inc
- B.** .phtml
- C.** .phpm
- D.** .sql

16. Inside a static method you cannot use:

- A.** \$this
- B.** parent::
- C.** Class constants
- D.** self::

17. `[^0-9]` matches:

- A.** The characters ^, 0 and 9
- B.** A digit at the start
- C.** Any non-digit character
- D.** An empty string

18. Which function converts array keys into variables?

- A.** compact()
- B.** explode()
- C.** implode()
- D.** extract()

19. Which is the best choice for a database connection file?

- A.** include
- B.** require_once
- C.** echo
- D.** readfile

20. Which php.ini line enables ODBC?

- A.** enable_odbc=On
- B.** extension=odbc
- C.** odbc.allow=1
- D.** extension=mysqli

21. Which array holds values sent by a form with method="post"?

- A.** \$_GET
- B.** \$_SERVER
- C.** \$_POST
- D.** \$_FORM

22. Which function returns all rows of a result at once?

- A.** mysqli_num_rows()
- B.** mysqli_fetch_row()
- C.** mysqli_fetch_all()
- D.** mysqli_fetch_array()

23. Which module provides RewriteRule?

- A.** mod_rewrite
- B.** mod_ssl
- C.** mod_php
- D.** mod_auth_basic

24. Where is session data stored?

- A.** In the URL
- B.** On the server
- C.** In the browser
- D.** In a hidden field

25. Prepared statements protect against:

- A.** Session fixation
- B.** XSS
- C.** SQL injection
- D.** CSRF

26. What does php_sapi_name() return under XAMPP's Apache?

- A.** cli
- B.** cgi
- C.** fpm-fcgi
- D.** apache2handler

27. How do you pass a parameter by reference?

- A.** ref \$n
- B.** *\$n
- C.** \$\$n
- D.** &\$n

28. What does "10" + 5 evaluate to?

- A.** An error
- B.** 15
- C.** "10 5"
- D.** "105"

29. Which of these is case-sensitive in PHP?

- A.** Function names
- B.** The keyword if
- C.** Variable names
- D.** echo

30. The default level of trigger_error() is:

- A.** E_ERROR
- B.** E_USER_NOTICE
- C.** E_USER_ERROR
- D.** E_USER_WARNING

31. The term "open source" was coined in:

- | | |
|----------------|----------------|
| A. 1989 | B. 1995 |
| C. 2004 | D. 1998 |

32. Which keyword declares a namespace?

- | | |
|-------------------|---------------------|
| A. module | B. use |
| C. package | D. namespace |

33. Which function should be used to store a password?

- | | |
|---------------------------|---------------------------|
| A. sha1() | B. md5() |
| C. password_hash() | D. base64_encode() |

34. Which statement removes a whole table?

- | | |
|---------------------------|-----------------------------|
| A. REMOVE table | B. DELETE FROM table |
| C. TRUNCATE COLUMN | D. DROP TABLE table |

35. Running `mysql_connect()` on PHP 8 gives:

- | | |
|--------------------------|---|
| A. A notice | B. Fatal error: Call to undefined function |
| C. A warning only | D. A successful connection |

36. Mail headers in a string are separated by:

- | | |
|-------------|----------------|
| A. , | B.
 |
| C. ; | D. \r\n |

37. In `for (init; condition; increment)`, the init part runs:

- | | |
|---|--|
| A. Only once, before the loop starts | B. Before every iteration |
| C. After every iteration | D. Only when the condition is false |

38. Which property returns the server response as a string?

- | | |
|----------------------|------------------------|
| A. statusText | B. responseXML |
| C. readyState | D. responseText |

39. The default user name of MySQL/MariaDB in XAMPP is:

- | | |
|-----------------|-----------------|
| A. root | B. mysql |
| C. xampp | D. admin |

40. A validating filter returns what when the data is invalid?

- | | |
|------------------------------|---------------------------|
| A. The original value | B. 0 |
| C. false | D. An empty string |

41. What is `"\x41"` in a double-quoted string?

- | | |
|--------------|---------------|
| A. 41 | B. A |
| C. a | D. x41 |

Mock Paper 2

41 questions · one from each of the 41 chapters and the project · choose one option per question. Write your answers on a separate sheet, then check them with the answer key in Appendix B (Mock Paper 2).

1. The quantifier `+` means:

- A.** 0 or 1
- B.** 1 or more
- C.** 0 or more
- D.** Exactly 1

2. Classic `mysql_*` code on XAMPP 8 results in:

- A.** Fatal error: Call to undefined function
- B.** A deprecation notice only
- C.** Correct output
- D.** A blank page with no error

3. Which function sorts by value and keeps the key–value association?

- A.** `shuffle()`
- B.** `asort()`
- C.** `sort()`
- D.** `ksort()`

4. A major benefit of MVC is:

- A.** Faster CPU
- B.** No need for classes
- C.** Smaller images
- D.** Interchangeable components

5. Which separator is used in namespace names?

- A.** `.`
- B.** `\`
- C.** `/`
- D.** `::`

6. If `$v = 5`, what does `echo $v++; print`?

- A.** 6
- B.** 5
- C.** 4
- D.** Nothing

7. Which function lists files matching `*.txt` ?

- | | |
|----------------------------------|----------------------------------|
| A. <code>readdir()</code> | B. <code>scandir()</code> |
| C. <code>glob()</code> | D. <code>dir()</code> |

8. The Unix Epoch is:

- | | |
|------------------------------|-----------------------------|
| A. 1 January 1970 GMT | B. 1 January 4713 BC |
| C. 1 January 1900 | D. 1 January 2000 |

9. In the AMP restaurant analogy, PHP plays the role of the:

- | | |
|------------------|---------------------|
| A. Patron | B. Stockroom |
| C. Chef | D. Waiter |

10. Which session function was removed in PHP 5.4?

- | | |
|--|---|
| A. <code>session_start()</code> | B. <code>session_register()</code> |
| C. <code>session_destroy()</code> | D. <code>session_id()</code> |

11. A variable that keeps its value between function calls is declared with:

- | | |
|-------------------------------|-------------------------------|
| A. <code>static</code> | B. <code>global</code> |
| C. <code>const</code> | D. <code>var</code> |

12. Which PHP function turns an array into JSON?

- | | |
|--------------------------------------|--------------------------------------|
| A. <code>json_encode()</code> | B. <code>var_export()</code> |
| C. <code>serialize()</code> | D. <code>json_decode()</code> |

13. The DOM parser is a:

- | | |
|-----------------------------|-------------------------------------|
| A. Tree-based parser | B. Event-based parser |
| C. JSON parser | D. Regular-expression parser |

14. The default name of the session cookie is:

- | | |
|----------------------|---------------------|
| A. SID | B. PHPSESSID |
| C. PHPSESSION | D. SESSIONID |

15. `header("Location: home.php");` is used to:

- A.** Include a file
- B.** Send mail
- C.** Set a cookie
- D.** Redirect the browser

16. Which keyword creates an object?

- A.** new
- B.** class
- C.** object
- D.** create

17. In which PHP version was the mysql extension removed?

- A.** 7.0
- B.** 8.0
- C.** 5.6
- D.** 5.5

18. What happens if `break` is omitted at the end of a case?

- A.** The switch ends anyway
- B.** Execution falls through to the next case
- C.** A parse error
- D.** The default case runs first

19. Which loop always executes its body at least once?

- A.** `do...while`
- B.** `foreach`
- C.** `for`
- D.** `while`

20. In XAMPP, the "M" now stands for:

- A.** Microsoft SQL
- B.** MariaDB
- C.** MongoDB
- D.** Mercury

21. What does `$c = require "config.php";` store in `$c`?

- A.** The file name
- B.** `true`
- C.** The file's source code
- D.** The value returned by `config.php`

22. The Singleton pattern makes the constructor:

- A.** abstract
- B.** public
- C.** static
- D.** private

23. Which symbol does NOT start a comment in PHP?

- | | |
|--------------------------------|---------------------------|
| A. <code><!--</code> | B. <code>//</code> |
| C. <code>#</code> | D. <code>/*</code> |

24. Which array function no longer exists in PHP 8?

- | | |
|-------------------------------|----------------------------------|
| A. <code>key()</code> | B. <code>end()</code> |
| C. <code>each()</code> | D. <code>current()</code> |

25. Which directive in `httpd.conf` must allow `.htaccess` files to be used?

- | | |
|--------------------------------------|---------------------------------------|
| A. <code>AllowOverride</code> | B. <code>DirectoryIndex</code> |
| C. <code>DocumentRoot</code> | D. <code>Listen</code> |

26. ODBC stands for:

- | | |
|--------------------------------------|---------------------------------------|
| A. Open Database Connectivity | B. Object Data Binding Control |
| C. Oracle Database Connector | D. Online Database Connection |

27. `$conn->insert_id` returns:

- | | |
|---|-----------------------------|
| A. The <code>AUTO_INCREMENT</code> id of the last INSERT | B. The table name |
| C. The number of inserted rows | D. The connection id |

28. Which header is needed for HTML mail?

- | | |
|--|-------------------------------------|
| A. <code>Content-type: text/html</code> | B. <code>Format: rich</code> |
| C. <code>Accept: html</code> | D. <code>X-HTML: yes</code> |

29. Which function gives the number of rows changed by UPDATE?

- | | |
|---|---|
| A. <code>mysqli_field_count()</code> | B. <code>mysqli_insert_id()</code> |
| C. <code>mysqli_affected_rows()</code> | D. <code>mysqli_num_rows()</code> |

30. A newly submitted article in the project CMS has the status:

- | | |
|---------------------|--------------------|
| A. Published | B. Archived |
| C. Deleted | D. Pending |

31. In `bind_param("sid", $a, $b, $c)`, `$b` is bound as:

- A.** An integer
- B.** A string
- C.** A double
- D.** A blob

32. Which function permanently saves an uploaded file?

- A.** `copy_upload()`
- B.** `move_uploaded_file()`
- C.** `fwrite()`
- D.** `save_file()`

33. What does `function greet($n, $g = "Hi")` mean?

- A.** `$g` is required
- B.** `$n` is optional
- C.** `$g` is optional with default "Hi"
- D.** Both parameters are constants

34. Which method displays form data in the browser's address bar?

- A.** HEAD
- B.** PUT
- C.** GET
- D.** POST

35. How do you create a cookie that expires in one hour?

- A.** `$_COOKIE["c"] = "v"`
- B.** `cookie("c", "v", "1h")`
- C.** `setcookie("c", "v", time() + 3600)`
- D.** `setcookie("c", "v", 3600)`

36. Which storage engine is the default in current MySQL/MariaDB and supports transactions?

- A.** MEMORY
- B.** MyISAM
- C.** MERGE
- D.** InnoDB

37. Which function counts characters correctly in UTF-8 text?

- A.** `strlen()`
- B.** `sizeof()`
- C.** `count()`
- D.** `mb_strlen()`

38. A newly composed article is stored with:

- A.** A `publish_date`
- B.** `is_published = 0`
- C.** No title
- D.** `is_published = 1`

39. Which function was removed in PHP 7.0?

- | | |
|------------------------------------|-------------------------------------|
| A. <code>str_split()</code> | B. <code>preg_split()</code> |
| C. <code>split()</code> | D. <code>explode()</code> |

40. Which block always executes after try/catch?

- | | |
|--------------------------------|------------------------------|
| A. <code>finally</code> | B. <code>end</code> |
| C. <code>always</code> | D. <code>final</code> |

41. Which constant reads a variable from the query string in `filter_input()`?

- | | |
|------------------------------------|-----------------------------------|
| A. <code>INPUT_GET</code> | B. <code>INPUT_URL</code> |
| C. <code>INPUT_QUERY</code> | D. <code>INPUT_POST</code> |

Mock Paper 3

41 questions · one from each of the 41 chapters and the project · choose one option per question. Write your answers on a separate sheet, then check them with the answer key in Appendix B (Mock Paper 3).

1. Which function protects pages by role in the project?

- A. flash()
- B. user()
- C. e()
- D. require_level()

2. \$_REQUEST contains the contents of:

- A. \$_GET, \$_POST and \$_COOKIE
- B. \$_FILES only
- C. \$_SESSION and \$_COOKIE
- D. \$_GET and \$_POST only

3. E-mail header injection is prevented by:

- A. Sending only HTML mail
- B. Using GET instead of POST
- C. Increasing post_max_size
- D. Validating fields and rejecting newlines

4. MVC is considered an evolution of:

- A. SQL
- B. OOP
- C. HTTP
- D. IPO (Input, Processing, Output)

5. Which PHP 8 feature allows `format(1234.5, prefix: "Rs. ")` ?

- A. Variadic functions
- B. Named arguments
- C. Closures
- D. Type juggling

6. Which DSN type is visible to Apache running as a service?

- A. User DSN
- B. Temporary DSN
- C. System DSN
- D. File DSN only

7. PHP code is executed:

- A.** In the operating system shell only
- B.** On the web server
- C.** In the browser
- D.** In the database

8. Which pattern matches exactly ten digits?

- A.** `/^\d{10}$/`
- B.** `/^\w{10}$/`
- C.** `/\d+10/`
- D.** `/[10]/`

9. Which loop is designed to iterate over arrays?

- A.** `for`
- B.** `foreach`
- C.** `while`
- D.** `switch`

10. Which `error_log()` message type appends to a file?

- A.** 3
- B.** 4
- C.** 0
- D.** 1

11. What is the name of the constructor method in PHP 8?

- A.** `__construct()`
- B.** The class name
- C.** `constructor()`
- D.** `__init()`

12. `\strlen("x")` inside a namespace calls:

- A.** The namespaced `strlen`
- B.** The global `strlen`
- C.** A static method
- D.** Nothing – it is a syntax error

13. Which PHP 8.2 method prepares, binds and executes in one call?

- A.** `$conn->execute_query()`
- B.** `$stmt->run()`
- C.** `$conn->multi_query()`
- D.** `$conn->query()`

14. Range limits for `FILTER_VALIDATE_INT` are given in an array named:

- A.** "limits"
- B.** "options"
- C.** "range"
- D.** "flags"

15. In which PHP version was `register_globals` removed?

- A.** 5.3
- B.** 8.0
- C.** 4.2
- D.** 5.4

16. Which function is deprecated since PHP 8.1?

- A.** `mktime()`
- B.** `strtotime()`
- C.** `strftime()`
- D.** `date()`

17. Which loop can iterate a `mysqli_result` directly?

- A.** `foreach`
- B.** `for`
- C.** `None`
- D.** `do...while` only

18. Which superglobal stores session variables?

- A.** `$_SERVER`
- B.** `$_COOKIE`
- C.** `$_SESSION`
- D.** `$GLOBALS`

19. XML tags are:

- A.** Defined by the author
- B.** Only lowercase
- C.** Optional
- D.** Predefined like HTML

20. Which classic function is equivalent to the SQL command `USE`?

- A.** `mysql_connect()`
- B.** `mysql_query()`
- C.** `mysql_select_db()`
- D.** `mysql_use()`

21. Which component of the AMP stack is the web server?

- A.** MySQL
- B.** MariaDB
- C.** PHP
- D.** Apache

22. An abstract class:

- A.** Can be instantiated with `new`
- B.** Cannot have normal methods
- C.** Must be `final`
- D.** Cannot be instantiated

23. Which keyword introduces an extra condition after if?

- A. otherwise
- B. elif
- C. elseif
- D. else if then

24. Which operator appends a string to a variable?

- A. &=
- B. .=
- C. +=
- D. ==

25. `empty("")` returns:

- A. true
- B. null
- C. false
- D. An error

26. Most browsers limit a single cookie to about:

- A. Unlimited
- B. 255 bytes
- C. 1 MB
- D. 4096 bytes

27. Which program creates Apache password files?

- A. mysqladmin
- B. passwd
- C. openssl
- D. htpasswd

28. `$_FILES["file"]["tmp_name"]` contains:

- A. The error code
- B. The MIME type
- C. The original file name
- D. The temporary path on the server

29. Which data type stores exact monetary values?

- A. DOUBLE
- B. VARCHAR
- C. DECIMAL
- D. FLOAT

30. What does `echo 'Hi\n$x';` print?

- A. A parse error
- B. Hi, a new line and the value of \$x
- C. Hi\n\$x
- D. Hi\$x

31. If the included file is missing, `include` produces a:

- A.** Notice only after the script ends
- B.** Fatal error
- C.** Parse error
- D.** Warning

32. `rmdir()` succeeds only if the directory is:

- A.** Inside htdocs
- B.** Hidden
- C.** Writable by everyone
- D.** Empty

33. The MySQLi procedural equivalent of `mysql_query($sql)` is:

- A.** `mysqli_query($link, $sql)`
- B.** `mysqli_exec($sql, $link)`
- C.** `mysqli_query($sql)`
- D.** `$sql->query()`

34. Who can publish articles in the project CMS?

- A.** Any guest
- B.** Only the author
- C.** Moderators and administrators
- D.** Nobody

35. `$families['Griffin'][2]` accesses an element of a:

- A.** Resource
- B.** Constant
- C.** Multidimensional array
- D.** String

36. `ip2long("192.168.1.10")` returns:

- A.** An integer
- B.** A host name
- C.** A dotted string
- D.** An array

37. The default web root folder of XAMPP on Windows is:

- A.** `C:\xampp\www`
- B.** `C:\xampp\public_html`
- C.** `C:\inetpub\wwwroot`
- D.** `C:\xampp\htdocs`

38. A custom exception class must:

- A.** Extend Exception
- B.** Use a trait
- C.** Implement Iterator
- D.** Be abstract

39. AJAX was originally made possible by an object first shipped in:

- A.** Chrome 1
- B.** Firefox 1
- C.** Internet Explorer 5
- D.** Netscape 2

40. Which function adds elements to the beginning of an array?

- A.** array_unshift()
- B.** array_push()
- C.** array_merge()
- D.** array_pad()

41. Which fetch function lets you write `$row->name` ?

- A.** mysqli_fetch_assoc()
- B.** mysqli_fetch_object()
- C.** mysqli_fetch_lengths()
- D.** mysqli_fetch_row()

Mock Paper 4

41 questions · one from each of the 41 chapters and the project · choose one option per question. Write your answers on a separate sheet, then check them with the answer key in Appendix B (Mock Paper 4).

1. MySQL error 1062 means:

- A.** Syntax error
- B.** Duplicate entry
- C.** Unknown table
- D.** Access denied

2. PHP: Hypertext Preprocessor is an example of a:

- A.** Recursive acronym
- B.** Reverse acronym
- C.** Backronym of HTML
- D.** Trademark only

3. Which is a valid variable name?

- A.** \$_first_name
- B.** \$first-name
- C.** \$2name
- D.** first_name

4. Which readyState value means the response is complete?

- A.** 3
- B.** 1
- C.** 2
- D.** 4

5. Which is an arrow function?

- A.** `fn($x) => $x * 2`
- B.** `function($x) { return $x; }`
- C.** `$x -> $x * 2`
- D.** `lambda x: x * 2`

6. `$link->insert_id` is the OOP equivalent of:

- A.** `mysql_num_rows()`
- B.** `mysql_affected_rows()`
- C.** `mysql_insert_id()`
- D.** `mysql_thread_id()`

7. Which statement imports a function from a namespace?

- A.** `use function MyProject\connect;`
- B.** `include MyProject\connect;`
- C.** `import MyProject\connect;`
- D.** `use MyProject\connect;`

8. Which tag correctly starts a portable PHP block?

- A.** <?
- B.** <%
- C.** <script php>
- D.** <?php

9. Which function protects output against XSS?

- A.** addslashes()
- B.** strip_slashes()
- C.** md5()
- D.** htmlspecialchars()

10. Which function deletes all session data on the server?

- A.** session_unset()
- B.** session_destroy()
- C.** unset()
- D.** session_write_close()

11. A class can implement:

- A.** Many interfaces
- B.** No interface if it extends a class
- C.** Interfaces only with traits
- D.** Only one interface

12. Which function splits a string into an array by a separator?

- A.** strtok()
- B.** explode()
- C.** str_pad()
- D.** implode()

13. The default port of MySQL/MariaDB in XAMPP is:

- A.** 443
- B.** 3306
- C.** 80
- D.** 8080

14. A protected property can be accessed from:

- A.** Anywhere
- B.** Only the declaring class
- C.** The declaring class and its parent/child classes
- D.** Only static methods

15. The PHP 8 match expression compares values using:

- A.** ===
- B.** <=>
- C.** ==
- D.** =

16. What is the index of "BMW" in `array("Saab", "Volvo", "BMW")` ?

- A.** 2
- B.** 3
- C.** "BMW"
- D.** 1

17. Which format character prints the full name of the day?

- A.** N
- B.** d
- C.** D
- D.** l

18. In PHP 8, both Exception and Error implement:

- A.** ErrorInterface
- B.** Throwable
- C.** Stringable only
- D.** Countable

19. In XAMPP, mailToDisk saves messages in:

- A.** C:\Windows\Temp
- B.** C:\xampp\mailoutput
- C.** C:\xampp\htdocs\mail
- D.** C:\xampp\tmp\mail

20. `$name = $_GET['name'] ?? 'Guest';` uses the:

- A.** Error control operator
- B.** Spaceship operator
- C.** Ternary operator
- D.** Null coalescing operator

21. What does continue do?

- A.** Exits the function
- B.** Ends the loop
- C.** Skips to the next iteration
- D.** Restarts the script

22. What prevents a comment from being posted twice when the page is refreshed?

- A.** The flash message
- B.** A UNIQUE index
- C.** A transaction
- D.** The Post/Redirect/Get pattern

23. In MVC, the component that contains business logic and database access is the:

- A.** View
- B.** Controller
- C.** Model
- D.** Router

24. Which mode opens a file for writing and erases its existing content?

- A.** r
- B.** x
- C.** a
- D.** w

25. Which function moves to the next row of an ODBC result?

- A.** `odbc_next()`
- B.** `odbc_result()`
- C.** `odbc_fetch_row()`
- D.** `odbc_exec()`

26. Which of these is a PHP-based CMS?

- A.** Oracle Forms
- B.** WordPress
- C.** Photoshop
- D.** Excel

27. Which function parses a line of a CSV file into an array?

- A.** `fgetcsv()`
- B.** `explode()`
- C.** `str_getcsv()`
- D.** `parse_csv()`

28. In the procedural style, the connection is passed to `mysqli_query()` as the:

- A.** Last argument
- B.** It is not needed
- C.** First argument
- D.** Second argument

29. `array_diff([1,2,3], [2,3,4])` returns:

- A.** `[2,3]`
- B.** `[4]`
- C.** `[1]`
- D.** `[1,4]`

30. Which function returns the buffer contents and deletes the buffer?

- A.** `ob_get_contents()`
- B.** `ob_get_clean()`
- C.** `flush()`
- D.** `ob_flush()`

31. Which string syntax does NOT expand variables?

- A.** Heredoc
- B.** Interpolated strings
- C.** Double quotes
- D.** Nowdoc

32. In `page2.php?d1=23&d2=45`, the value of `d2` is read with:

- A.** `$_GET['d2']`
- B.** `$_COOKIE['d2']`
- C.** `$_POST['d2']`
- D.** `$_SESSION['d2']`

33. Which statement stops the script when the file cannot be loaded?

- A.** `include_once`
- B.** `include`
- C.** `require`
- D.** `import`

34. What does `preg_match()` return when no match is found?

- A.** -1
- B.** An empty string
- C.** 0
- D.** null

35. Which document is NOT well-formed?

- A.** `<a>x</a>`
- B.** `<a><b>x</b></a>`
- C.** `<a><b>x</a></b>`
- D.** `<a b="1"/>`

36. `dechex(255)` returns:

- A.** "377"
- B.** "255"
- C.** "11111111"
- D.** "ff"

37. Which clause sorts the result of a SELECT?

- A.** GROUP BY
- B.** ORDER BY
- C.** ARRANGE
- D.** SORT BY

38. Which filter calls a user-defined function?

- A.** `FILTER_FUNCTION`
- B.** `FILTER_CUSTOM`
- C.** `FILTER_USER`
- D.** `FILTER_CALLBACK`

39. `Require valid-user` allows:

- A.** Any user listed in the `AuthUserFile`
- B.** Only localhost
- C.** Only the user "valid"
- D.** Everyone

40. Which method undoes all statements of the current transaction?

- A.** `close()`
- B.** `commit()`
- C.** `reset()`
- D.** `rollback()`

41. Which loop is normally used to read all rows of a result set?

- A.** `for`
- B.** `while ($row = ...
fetch_array($result))`
- C.** `do...while with mysql_close()`
- D.** `foreach over the connection`

Mock Paper 5

41 questions · one from each of the 41 chapters and the project · choose one option per question. Write your answers on a separate sheet, then check them with the answer key in Appendix B (Mock Paper 5).

- 1.** To receive several checked checkboxes as an array, the field name should be:

A. hobby{	B. @hobby
C. hobby[]	D. hobby
- 2.** Which replaces the removed `__autoload()` function?

A. <code>class_exists()</code>	B. <code>spl_autoload_register()</code>
C. <code>autoload_class()</code>	D. <code>require_all()</code>
- 3.** Which parameter of `mail()` is optional?

A. to	B. subject
C. message	D. headers
- 4.** A constant created with `define()` is used:

A. Only inside functions	B. With a \$ prefix
C. Only in strings	D. Without a \$ prefix
- 5.** Since PHP 8.1, a failed MySQLi query by default:

A. Throws <code>mysqli_sql_exception</code>	B. Retries automatically
C. Prints a notice	D. Returns false silently
- 6.** The third argument of `xhr.open("GET", url, true)` makes the request:

A. Asynchronous	B. Synchronous
C. Cached	D. Secure

7. How many times does `for ($i = 0; $i < 5; $i++)` execute its body?

- A.** Infinite
- B.** 4
- C.** 5
- D.** 6

8. Which database server does current XAMPP actually ship under the "MySQL" label?

- A.** MariaDB
- B.** PostgreSQL
- C.** Oracle
- D.** SQLite

9. Which function was removed in PHP 5.4?

- A.** `session_encode()`
- B.** `session_register()`
- C.** `session_id()`
- D.** `session_start()`

10. Which function reads a single line from a file?

- A.** `file()`
- B.** `fread()`
- C.** `fgetc()`
- D.** `fgets()`

11. A nowdoc identifier is written as:

- A.** `<<<EOT`
- B.** `<<EOT`
- C.** `<<<'EOT'`
- D.** `<<<"EOT"`

12. Which statement about `print` is TRUE?

- A.** It is faster than `echo`
- B.** It can output several comma-separated strings
- C.** It must be written with parentheses
- D.** It always returns 1

13. Which magic method runs when a value is written to an inaccessible property?

- A.** `__get()`
- B.** `__set()`
- C.** `__call()`
- D.** `__isset()`

14. Which function should replace the removed `/e` modifier?

- A.** `ereg_replace()`
- B.** `preg_quote()`
- C.** `preg_replace_callback()`
- D.** `str_replace()`

15. What is `__NAMESPACE__` in the global space?

- A.** `"global"`
- B.** `"\"`
- C.** `null`
- D.** An empty string

16. Which function installs a user-defined error handler?

- A.** `set_error_handler()`
- B.** `error_reporting()`
- C.** `set_exception_handler()`
- D.** `trigger_error()`

17. `strcmp("apple", "apple")` returns:

- A.** `true`
- B.** `0`
- C.** `1`
- D.** `-1`

18. Which closes an if block written in alternative syntax?

- A.** `fi;`
- B.** `end;`
- C.** `}if`
- D.** `endif;`

19. `WHERE name LIKE 'A%'` finds names that:

- A.** End with A
- B.** Start with A
- C.** Are exactly A
- D.** Contain A

20. Which statement publishes an article?

- A.** `DELETE FROM cms_articles WHERE article_id = ?`
- B.** `UPDATE cms_articles SET is_published = 1, publish_date = NOW() WHERE article_id = ?`
- C.** `INSERT INTO cms_articles ...`
- D.** `SELECT * FROM cms_articles`

21. Which function keeps key/value pairs while sorting by value in descending order?

- A.** `krsort()`
- B.** `usort()`
- C.** `arsort()`
- D.** `rsort()`

22. Which function returns the name of an object's class?

- A. `get_class()`
- B. `typeof()`
- C. `class_name()`
- D. `get_object()`

23. Which file must be edited to change the PHP upload limit?

- A. `php.ini`
- B. `my.ini`
- C. `httpd.conf`
- D. `config.inc.php`

24. Which component renders output for the user?

- A. Model
- B. Controller
- C. View
- D. Database

25. `Options -Indexes` prevents:

- A. Directory listings
- B. Using `index.php`
- C. Running PHP
- D. Error pages

26. Which function changes a `php.ini` setting for the current script only?

- A. `phpinfo()`
- B. `get_cfg_var()`
- C. `putenv()`
- D. `ini_set()`

27. Which feature of MySQLi prevents SQL injection?

- A. Persistent connections
- B. `mysqli_ping()`
- C. Prepared statements
- D. `SHOW TABLES`

28. `odbc_result($rs, "CompanyName")` returns:

- A. The column type
- B. The value of the `CompanyName` field of the current row
- C. The number of rows
- D. The whole row

29. HTTP is a _____ protocol.

- A. stateless
- B. stateful
- C. cookie-based
- D. session-based

30. What is the value of $2 + 3 * 3$?

- A. 15
- B. 18
- C. 11
- D. 9

31. Which PHP function loads an XML file into a SimpleXMLElement?

- A. load_xml()
- B. DOMDocument::open()
- C. simplexml_load_file()
- D. xml_load()

32. `mysql_fetch_array()` returns a row as:

- A. An object only
- B. An associative and numeric array
- C. A JSON document
- D. A string

33. Which keyword defines a function?

- A. method
- B. func
- C. function
- D. def

34. `require_once` prevents:

- A. Executing PHP in included files
- B. Warnings in included files
- C. Loading files from other folders
- D. Loading a file more than once

35. The main reason users return to a web site is:

- A. Regularly updated content
- B. Fancy colours
- C. Large images
- D. Long URLs

36. Which statement creates a MySQLi connection object?

- A. `mysqli::connect(...)`
- B. `mysqli_open(...)`
- C. `new MySQL(...)`
- D. `new mysqli(...)`

37. For a secure OTP you should use:

- A. `random_int()`
- B. `mt_rand()`
- C. `lcg_value()`
- D. `rand()`

38. `date("H")` returns the hour in:

- A.** 12-hour format without leading zero
- B.** 24-hour format with leading zero
- C.** Minutes
- D.** 12-hour format with leading zero

39. Which filter is deprecated in PHP 8.1?

- A.** `FILTER_SANITIZE_URL`
- B.** `FILTER_SANITIZE_STRING`
- C.** `FILTER_VALIDATE_INT`
- D.** `FILTER_VALIDATE_EMAIL`

40. Which function checks a password against a stored hash?

- A.** `crypt_check()`
- B.** `md5_verify()`
- C.** `password_verify()`
- D.** `password_hash()`

41. `$ages = ["Peter" => 32];` creates a(n):

- A.** Numeric array
- B.** Multidimensional array
- C.** Object
- D.** Associative array