

附件 2-2

职业技能等级标准

Web 前端开发

工业和信息化部教育与考试中心
2019 年 3 月

说 明

+

Web

Web

" "

Web

1.82

1.83

2

Web

1+X

6

3

Web

100

50

30

15

5

100

3-5

60

4.

Web

HTML

HTML5

CSS

CSS3

JavaScript

ES6

Web (Web
 Web , Web

5

6

Web

- 1 GB/T 8567-2006
- 2 GB/T 30971-2014

7.

,
 / /),
 (
 ,
 (
)
 1 " "
 2 " "
 3 " (sub-functions) " ,
 " "

4

"

"

"

"

,

8 Web

81. %

82

83

84.

85 + Web

Web

Web

86

87. 1)

2)

88 (1) :Web

HTML5 JavaScript (2)

:

	1-1	1-1-1 HTML	1-1-1-S1 HTML 1-1-1-S2	1-1-1-K 1 HTML 1-1-1-K 2
		1-1-2 CSS	1-1-2-S3 CSS 1-1-2-S4 CSS 1-1-2-S5 Hack CSS	1-1-2-K 3 CSS 1-1-2-K 4 CSS
		1-1-3 JavaScript	1-1-3-S6 JavaScript 1-1-3-S7 1-1-3-S8 JavaScript DOM	1-1-3-K 5 JavaScript
		1-1-4 jQuery	1-1-4-S9 jQuery jQuery DOM UI jQuery	1-1-4-K 6 jQuery
	1-2	1-2-1 CSS3	1-2-1-S1 CSS3	1-2-1-K 1 CSS3
		1-2-2 HTML	1-2-2-S2 HTML iframe	1-2-2-K 2 HTML
	1-3	1-3-1 CSS3	1-3-1-S1 CSS3	1-3-1-K 1 CSS3 CSS3

	1-4	1-4-1 HTML5	1-4-1-S1 HTML5	1-4-1-K 1 HTML5
		1-4-2 CSS3	1-4-2-S2 CSS3	1-4-1-K 2 CSS3
		1-4-3 JavaScript	1-4-3-S3 JavaScript OOP	1-4-1-K 3 JavaScript OOP
	1-5	1-5-1 HTML5	1-5-1-S1 HTML5	1-5-1-K 1 HTML5
		1-5-2 CSS3	1-5-1-S2 CSS3	1-5-1-K 2 CSS3

9.Web

9.1. 224

9.2

9.3

9.4

9.5 + Web

Web

Web

9.6 IT

9.7. (1)

(2) (3)

(4) (5)

9.8 (1) :MySQL

PHP Web

(2) :

9.9.

		2-1-1 HTML	2-1-1-S1 HTML	2-1-1-K 1 HTML
		2-1-2 CSS	2-1-2-S2 CSS 2-1-2-S3 CSS 2-1-2-S4 Hack CSS	2-1-2-K 2 CSS 2-1-2-K 3 CSS
	2-1	2-1-3 JavaScript	2-1-3-S5 JavaScript 2-1-3-S6 JavaScript 2-1-3-S7 DOM	2-1-3-K 4 JavaScript
		2-1-4 jQuery	2-1-4-S8 jQuery DOM UI jQuery	2-1-4-K 5 jQuery
		2-1-5 Bootstrap	2-1-5-S9 Bootstrap LESS SASS Bootstrap	2-1-5-K 6 Bootstrap

	2-2	2-2-1 CSS3	2-2-1-S1 CSS3	2-2-1-K 1 CSS3
		2-2-2 HTML	2-2-2-S2 HTML iframe	2-2-2-K 2 HTML
	2-3	2-3-1 CSS3	2-3-1-S1 CSS3	2-3-1-K 1 CSS3
		2-3-2 MySQL	2-3-2-S2 MySQL	2-3-2-K 2 MySQL / / /
		2-3-3 PHP	2-3-3-S3 Mysql PHP 2-3-3-S4 Session Cookie	2-3-3-K 3 PHP PHP MySQL MySQL
		2-3-4 RESTful API API	2-3-4-S5 HTTP API	2-3-4-K 4 API
		2-3-5 Ajax	2-3-5-S6 Ajax JSON XML	2-3-5-K 5 Ajax
		2-3-6 Laravel	2-3-6-S7 Laravel Blade	2-3-6-K 6 Laravel

	2-4	2-4-1 HTML5	2-4-1-S1 HTML5	2-4-1-K 1 HTML5
		2-4-2 CSS3	2-4-2-S2 CSS3	2-4-2-K 2 CSS3
		2-4-3 JavaScript	2-4-3-S3 JavaScript 2-4-3-S4 2-4-3-S5 DOM	2-4-3-K 3 JavaScript
		2-4-4 Bootstrap	2-4-4-S6 Bootstrap Less Sass Bootstrap	2-4-4-K 4 Bootstrap
	2-5	2-5-1 HTML5	2-5-1-S1 HTML5	2-5-1-K 1 HTML5
		2-5-2 CSS3	2-5-2-S2 CSS3 2-5-2-S3 em/rem/vw/vh	2-5-2-K 2 CSS3
	2-6	2-6-1 MySQL	2-6-1-S1 MySQL	2-6-1-K 1 MySQL / / /
		2-6-2 PHP	2-6-2-S2 MySQL PHP 2-6-2-S3 Session Cookie	2-6-2-K 2 PHP PHP PHP MySQL MySQL

		2-6-3	Ajax	2-6-3-S4 JSON	Ajax	XML	2-6-3-K 3 Ajax

10Web

101. 320

102

103

104

105 + Web

Web

Web

106 IT

107. (1)

(2)

(3)

(4)

(5)

108

(1)

Web

(2)

109.

	3-1	3-1-1 HTML	3-1-1-S1 HTML	3-1-1-K 1 HTML
		3-1-2 CSS	3-1-2-S2 CSS CSS	3-1-2-K 2 CSS
		3-1-3 JavaScript	3-1-3-S3 JavaScript JavaScript	3-1-3-K 3 JavaScript
		3-1-4 jQuery	3-1-4-S4 jQuery jQuery	3-1-4-K 4 jQuery
		3-1-5 Bootstrap	3-1-5-S5 Bootstrap	3-1-5-K 5 Bootstrap Sass
	3-2	3-2-1 CSS3	3-2-1-S1 CSS3	3-2-1-K 1 CSS3

		3-2-2 HTML	3-2-2-S2 HTML iframe	3-2-2-K 2 HTML
	3-3	3-3-1 CSS3	3-3-1-S1 CSS3	3-3-1-K 1 CSS3
		3-3-2 MySQL	3-3-2-S2 MySQL / / /	3-3-2-K 2 MySQL
		3-3-3 PHP	3-3-3-S3 MySQL PHP 3-3-3-S4 Cookie Session	3-3-3-K 3 PHP PHP MySQL MySQL Session Cookie
		3-3-4 API API	3-3-4-S5 Restful API	3-3-4-K 4 API API
		3-3-5 Ajax	3-3-5-S6 Ajax XML JSON JSONP	3-3-5-K 5 Ajax
		3-3-6 Laravel	3-3-6-S7 Laravel Blade	3-3-6-K 6 Laravel

	3-4-1 ES6	3-4-1-S1	ES6	3-4-1-K 1	ES6
		3-4-2			
3-4	3-4-2 Node.js				

		3-6-2 CSS3	3-6-2-S2	CSS3	3-6-2-K 2	CSS3 2D 3D
		3-6-3 JavaScript	3-6-3-S3 OOP	JavaScript OOP	3-6-3-K 3	JavaScript OOP
		3-6-4 Bootstrap	3-6-4-S4 Bootstrap Bootstrap	Bootstrap Less Sass	3-6-4-K 4 Web	Bootstrap
		3-6-5 Canvas	3-6-5-S5	Canvas	3-6-5-K 5	Canvas
		3-6-6 SVG	3-6-6-S6	SVG	3-6-6-K 6	SVG
		3-6-7 Less	3-6-7-S7	Less	3-6-7-K 7	Less
	3-7	3-7-1 HTML5	3-7-1-S1	HTML5	3-7-1-K 1	HTML5
		3-7-2 CSS3	3-7-2-S2	CSS3	3-7-2-K 2	CSS3 2D 3D

	3-8	3-8-1 MySQL	3-8-1-S1 MySQL / / /	3-8-1-K 1 MySQL
		3-8-2 PHP	3-8-2-S2 MySQL PHP 3-8-3-S3 Cookie Session	3-8-2-K 2 PHP PHP PHP MySQL MySQL Cookie Session
		3-8-3 Ajax	3-8-3-S4 Ajax XML JSON JSONP	3-8-3-K 3 Ajax
		3-8-4 Bootstrap	3-8-4-S5 Bootstrap	3-8-4-K 4 Bootstrap Sass
		3-8-5 jQuery Mobile Web	3-8-5-S6 jQuery Mobile Web	3-8-5-K 5 jQuery Mobile Web
	3-9	3-9-1 ES6	3-9-1-S1 ES6	3-9-1-K 1 ES6

	3-9-2 Node.js	3-9-2-S2	Node.js	3-9-2-K 2	Node.js
	3-9-3 Vue	3-9-3-S3 Vue	Vue Vue	3-9-3-K 3	Vue
	3-10-1 HTML CSS	3-10-1-S1		3-10-1-K 1 CSS	HTML
	3-10-2	3-10-2-S2		3-10-2-K 2	
3-10	3-10-3	3-10-3-S3	HTTP	3-10-3-K 3	
	3-10-4 Webpack				
	JavaScript	3-10-4-S4 O	Webpack		

附件：名词解释

- 1.HTML:
- 2.CSS: (Cascading Style Sheets),
HTML XML
HTML
- 3.JavaScript
HTML ,
Ecma JavaScript Ecma Script
4.jQuery: JavaScript
JavaScript JavaScript
5.DOM: Document Object Model DOM
W3C
6.UI: User Interface
APP
7.CSS3: CSS 1999
2001 5 23 W3C CSS3
8.CSS hack CSS
CSS
9.PHP: Hypertext Preprocessor PHP
HTML Web
10. IFRAME: HTML
(FRAME)
11. Html5:
HTML
12. OOP: Object Oriented Programming OOP

13. Bootstrap: Twitter Mark Otto Jacob Thornton
HTML CSS JavaScript
Web
14. Less CSS CSS
CSS
15. Sass: Sass Syntactically Awesome Style Sheets
Sass web
CSS Sass Ruby
16. MySQL: MySQL AB
Oracle
17. API: Application Programming Interface,
18. HTTP: HTTP (HyperText Transfer Protocol)
19. RESTful: Representational State Transfer
20. Web: World Wide Web
HTTP
21. Ajax: "Asynchronous Javascript And XML"
JavaScript XML
22. XML:
23. JSON: (JavaScript Object Notation, JS)
24. JSONP: (JSON with Padding) JSON " "
25. Laravel: Laravel PHP Web (PHP Web Framework)
26. BLADE: Web
27. Session:

	28.	Cookie: session	Cookies
	29.	jQuery Mobile:	jQuery
Web			
	30.	ES6: ECMAScript ECMA-262	ECMAScript JavaScript
Ecm			
	31.	Node.js	JavaScript
	32.	Express:	node.js Web
	33.	VUE:	
	34.	Webpack:	Web
	35.	Canvas	HTML5
	36.	SVG:	XML