Zed-King
GROUP OF INSTITUTIONS
ISO 9001 : 2015 Certified

O LEVEL (M2-R5.1) – WEB DESIGNING & PUBLISHING

MODEL TEST PAPER – 5

100 MCQs (Expected January 2026)

Time: 90 minutes **M.M: 100Marks**

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1. Which factor most directly affects website usability?
   A. Server RAM B. Navigation structure C. Programming language D. Domain length
2. A responsive design mainly depends on
   A. Fixed layout B. Media queries C. Tables D. Frames
3. Which editor is best for manual control over HTML & CSS?
   A. Dreamweaver B. Notepad++ C. MS Word D. Paint
4. Separation of content and presentation improves
   A. Security B. Maintainability C. Hosting speed D. SEO ranking only
5. Wireframe is used to represent
   A. Final design B. Database C. Page structure D. Hosting plan
6. Which HTML5 tag improves accessibility most?
   A. div B. span C. header D. font
7. Why are semantic tags preferred?
   A. Reduce file size B. Improve meaning & SEO
   C. Increase speed D. Add styling

8. Which attribute prevents form submission if empty?

A. readonly B. disabled C. required D. hidden

9. `<iframe>` security risk is reduced using

A. sandbox attribute B. width C. height D. frameborder

10. Which input type provides built-in email validation?

A. text B. mail C. email D. validate

11. HTML entities are used to

A. Style text B. Display reserved characters C. Link pages D. Store data

12. Which tag is invalid in HTML5?

A. section B. article C. center D. footer

13. Which improves page loading?

A. Inline CSS B. Internal CSS C. External CSS D. No CSS

14. `<meta viewport>` is mainly for

A. SEO B. Responsive design C. Encoding D. Security

15. Which tag defines self-contained content?

A. aside B. article C. nav D. footer

16. Which has highest priority?

A. External CSS B. Internal CSS C. Inline CSS D. Browser default

17. `em` unit depends on

A. Screen size B. Parent font size C. Root font size D. Pixel density

18. Which property removes list bullets?

A. list-style B. text-style C. decoration D. display

19. `z-index` works only with

A. static position B. relative or absolute C. float D. flex

20. Which layout model is best for 1-D alignment?

A. Grid B. Float C. Flexbox D. Table

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21. `opacity:0` vs `display:none` difference is

A. Same B. Opacity keeps space

C. Display keeps space D. Both remove space

22. Which selector targets all elements?

A. + B. > C. * D. ~

23. Which property makes site responsive without media query?

A. width B. max-width C. height D. float

24. CSS Grid is best for

A. Text styling B. 2-D layouts C. Animation D. Icons

25. Which improves performance?

A. Large images B. CSS minification C. Inline styles D. Repeated code

26. Frameworks mainly reduce

A. File size B. Development time C. Browser support D. Hosting cost

27. Bootstrap responsiveness is based on

A. Tables B. Media queries C. Java D. PHP

28. W3.CSS advantage over Bootstrap

A. Heavy B. No JavaScript dependency C. Needs jQuery D. Complex

29. `.container-fluid` means

A. Fixed width B. Full width C. Center only D. Padding removed

30. Which class hides element on small screen?

A. d-none d-sm-block B. visible-sm C. hide-xs D. no-display

31. Framework limitation is

A. Fast design B. Uniform look C. Responsiveness D. Prebuilt classes

32. Grid columns must be inside

A. container B. row C. card D. body

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33.Which is mobile-first?

A. HTML B. CSS C. Bootstrap D. PHP

34.W3.CSS class naming starts with

A. bs- B. css- C. w3- D. web-

35.Framework override requires

A. Inline CSS B. Custom CSS C. HTML change D. JS only

36.JavaScript is

A. Compiled B. Interpreted C. Machine code D. Assembly

37.`let` differs from `var` due to

A. Scope B. Speed C. Size D. Type

38.`NaN` means

A. Null B. Error C. Not a Number D. Zero

39.Event handling is used to

A. Style page B. Respond to user actions C. Store data D. Compile code

40.AngularJS follows

A. MVC B. MVP C. MVVM D. MVT

41.Two-way binding means

A. One direction data B. Auto sync view & model

C. One time update D. Manual refresh

42.`ng-if` vs `ng-show` difference

A. Same B. ng-if removes DOM

C. ng-show removes DOM D. Both hide permanently

43.JSON is used for

A. Styling B. Data exchange C. Markup D. Hosting

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44. Which improves JS performance?

A. Global variables B. Closures misuse C. Local scope D. Repeated loops

45. JS runs fastest when

A. In head without defer B. In body end C. Inline only D. In CSS

46. Lossy compression example

A. PNG B. GIF C. JPG D. SVG

47. HTTPS mainly protects

A. Speed B. Data integrity C. Storage D. Layout

48. Cache clearing helps in

A. Design B. Fix loading issues C. Hosting D. Coding

49. SEO friendly URL means

A. Long URL B. Keyword based C. Random ID D. IP based

50. Web hosting requirement is

A. Browser B. Server space C. Editor D. Search engine

51. Which feature of HTML5 reduces dependency on plugins?

A. Multimedia tags B. Frames C. Tables D. Forms

52. ARIA attributes are mainly used for

A. Styling B. Accessibility C. Animation D. SEO only

53. Which tag helps search engines understand page importance?

A. h1 B. b C. span D. small

54. Client-side validation is mainly done using

A. HTML attributes B. Server logs C. Hosting tools D. FTP

55. Which attribute improves performance by delaying load?

A. async B. charset C. target D. method

56. Which HTML element is best for navigation links?

A. nav B. section C. article D. aside

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57. SEO is most affected by

A. Semantic structure B. Font color C. Inline CSS D. File extension

58. Which is NOT a semantic tag?

A. header B. footer C. div D. article

59. Progressive enhancement means

A. Design for low to high capability B. Heavy graphics first

C. JS mandatory D. Desktop-only design

60. Which improves page reusability?

A. Modular structure B. Inline styles C. Fixed layout D. Tables

61. Which CSS unit is relative to root element?

A. em B. rem C. % D. vh

62. Media queries are used to

A. Detect device size B. Store media

C. Upload images D. Compress video

63. Which property controls stacking order?

A. order B. z-index C. float D. overflow

64. Which is GPU-friendly animation property?

A. top B. left C. transform D. margin

65. `min-height` is useful when

A. Content is dynamic B. Width is fixed

C. Using tables D. Printing

66. Which selector targets only direct children?

A. space B. > C. + D. ~

67. Which CSS feature reduces repeated values?

A. Variables B. Classes C. IDs D. Inline styles

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68. `object-fit` is mainly used for

A. Images & videos B. Text

C. Div alignment D. Lists

69. Which improves CSS performance?

A. Deep selectors B. Universal selector

C. Simple selectors D. Inline CSS

70. `calc()` function allows

A. Mathematical operations B. Color mixing

C. File linking D. Animation

71. Mobile-first approach means

A. Design for small screens first B. Desktop first

C. App first D. Server first

72. Which Bootstrap class auto adjusts columns?

A. col B. row C. container D. card

73. Utility classes are used to

A. Apply quick styling B . Add JS

C. Create database D. Host site

74. Framework CSS is usually included via

A. CDN link B. FTP C. Compiler D. Server config

75. Which ensures cross-browser consistency?

A. Frameworks B. Inline CSS

C. Tables D. Frames

76. Overusing frameworks may cause

A. Heavy pages B. Better SEO

C. Faster load always D. No issue

77. Breakpoints define

A. Screen widths B. Colors C. Fonts D. Icons

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78. Which class hides element visually but keeps space?

A. invisible B. d-none C. hidden D. remove

79. Customizing framework safely requires

A. Separate custom CSS file B. Editing core file

C. Inline override only D. JS only

80. Which framework is purely CSS?

A. W3.CSS B. Bootstrap C. Angular D. React

81. JavaScript hoisting affects

A. Variable declarations B. CSS C. HTML tags D. Images

82. Which keyword prevents reassignment?

A. let B. var C. const D. static

83. Event bubbling means

A. Event flows up B. Event stops C. Event deletes D. Event delays

84. Which method converts JSON string to object?

A. JSON.parse B. JSON.stringify C. parseInt D. toString

85. `setTimeout()` is

A. Asynchronous B. Blocking C. Synchronous D. Loop

86. AngularJS directive is used to

A. Extend HTML B. Style CSS C. Compile JS D. Manage server

87. Which directive binds HTML content?

A. ng-bind-html B. ng-model C. ng-repeat D. ng-if

88. SPA means

A. Single Page Application B. Secure Page Access

C. Server Program App D. Static Page App

89. Which improves AngularJS performance?

A. One-time binding B. Nested scopes

C. Heavy watchers D. Inline controllers

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90. `$scope` is used to

A. Bind data between view and controller B. Style page

C. Handle routing D. Store files

91. Which file guides search engines?

A. robots.txt B. sitemap.xml C. index.html D. style.css

92. Meta description affects

A. Search snippet B. Ranking directly C. Page speed D. Hosting

93. Which improves website trust?

A. SSL certificate B. Inline CSS C. Frames D. Popups

94. DNS translates

A. Domain to IP B. IP to domain C. URL to HTML D. File to server

95. Which tool uploads website files?

A. FTP client B. Browser C. Editor D. Compiler

96. Image optimization helps in

A. Faster loading B. Better color C. Printing D. Hosting change

97. Which browser mode avoids history saving?

A. Incognito B. Normal C. Guest D. Offline

98. Web analytics helps to

A. Track visitors B. Design UI C. Write code D. Host site

99. Which metric affects SEO most?

A. Page speed B. Background color C. Font type D. Border style

100. Publishing a site requires

A. Domain + Hosting B. Editor only C. Browser only D. CSS only

🎯 ANSWER KEY EXPLAINATION (1–100

1. B – Navigation defines usability
2. B – Media queries adapt layout
3. B – Manual coding control

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4. B – Easy maintenance
5. C – Structure blueprint
6. C – Semantic accessibility
7. B – Meaning + SEO
8. C – Required enforces input
9. A – Sandbox restricts iframe
10. C – Built-in validation
11. B – Reserved symbols
12. C – Obsolete tag
13. C – Cached once
14. B – Mobile scaling
15. B – Independent content
16. C – Highest priority
17. B – Parent based
18. A – List control
19. B – Needs positioning
20. C – One-direction layout
21. B – Space remains
22. C – Universal selector
23. B – Flexible width
24. B – Rows + columns
25. B – Optimized files
26. B – Faster development
27. B – Responsive base
28. B – Lightweight
29. B – Full width
30. A – Bootstrap utility
31. B – Similar designs
32. B – Grid rule
33. C – Bootstrap approach
34. C – Naming convention
35. B – Custom override
36. B – Interpreted
37. A – Block scope
38. C – Invalid number
39. B – User interaction

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40.A – MVC pattern
41.B – Auto sync
42.B – DOM removal
43.B – Data transfer
44.C – Efficient memory
45.B – Faster loading
46.C – JPG is lossy
47.B – Secure transfer
48.B – Fix cache issues
49.B – SEO friendly
50.B – Hosting need
51.A – Native audio/video
52.B – Screen readers support
53.A – Heading importance
54.A – HTML validation
55.A – Non-blocking load
56.A – Navigation purpose
57.A – Meaningful structure
58.C – Non-semantic
59.A – Graceful upgrade
60.A – Reusable components
61.B – Root based unit
62.A – Responsive rules
63.B – Stack order
64.C – Smooth animation
65.A – Flexible content
66.B – Direct child selector
67.A – Reusability
68.A – Media fitting
69.C – Faster matching
70.A – Dynamic values
71.A – Mobile-first
72.A – Auto columns
73.A – Quick design
74.A – Easy inclusion
75.A – Consistent look

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76. A – Extra load
77. A – Screen limits
78. A – Space remains
79. A – Safe override
80. A – No JS
81. A – Declaration lift
82. C – Constant variable
83. A – Upward flow
84. A – String to object
85. A – Non-blocking
86. A – Custom HTML
87. A – HTML binding
88. A – Single load
89. A – Less watchers
90. A – Data binding
91. A – Crawl rules
92. A – SERP preview
93. A – Secure connection
94. A – Name resolution
95. A – File transfer
96. A – Speed gain
97. A – Private browsing
98. A – User data
99. A – Ranking factor
100. A – Website live

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