**HTML5 Graphics Question Bank**

1. What is Canvas? What is method used to access element via canvas?
2. Make a webpage with canvas to draw a triangle by connecting 3 lines.
3. Make a webpage with canvas to draw a rectangle by providing different border color and fill color after a certain distance.
4. Create a canvas and draw a polygon and provide shadow with blur effects in different axis. Provide different color for border and area for the same.
5. Explain with an example the following Canvas functions
   1. createPattern() b. addColorStop() c. createLinearGradient()
6. Create a canvas and draw two ellipses and color it with Linear and Radial gradient. Provide shadow with blur effects.
7. Create a canvas and draw a half circle. Fill with a color and write “PES” inside that.
8. How to draw image in Canvas? Draw an Image with blur border.
9. What is SVG? Draw two lines with different colors cross wise by using SVG functionality.
10. Use SVG and draw an ellipse and color it with angular gradient functionality. Provide shadow with blur effects.
11. Use SVG and draw a half circle. Fill with a color and write “PES” inside that.
12. Make a webpage use SVG functionality to draw a rectangle by providing border color and fill color with vertical gradient color.
13. Use SVG tag and draw a polygon and provide shadow with blur effects. Fill the polygon with horizontal gradient color.
14. Use SVG tag and by using Polyline create a colourful star (\*).
15. What are the multimedia formats supported by HTML5?
16. Explain how Audio and Video played in browser with explaining possible attributes with example.
17. What is a plug-in? Explain <object> and <embed> tag with example.
18. Create a plug-in to provide download option for “Adobe flash Player”.
19. Create a plug-in to display animated “National flag” of India.
20. Explain with example how to play “Youtube” video in your browser. Use (autohide, autoplay, control, loop, and playlist) parameters with possible values.

\*\*\*\*\*\*See Down\*\*\*\*\*\*

**CSS3 Question Bank**

1. What is the need of CSS3? What are new areas/elements CSS3 provide styles?
2. What are the different border styles available in CSS3? Explain with example.
3. Illustrate rounded corner borders with different color and number of values.
4. Explain text and box shadow with example. Use multiple shadows for the text.
5. How to provide multiple background images of different size for the text element. Explain with example.
6. What are the background properties available in CSS3? Explain with example.
7. What are the color specifications introduced in CSS3? Explain with example. (Only Syntax explanation with example. No program required)
8. Color five <div> element background RGBA color combination.
9. Color five <article> element background HSL color combination.
10. Color five <section> element background HSLA color combination.
11. What are the text properties introduced in CSS3? Explain with example.
12. What are the CSS3 Web Fonts available? Explain @font-face rule with example of using different web fonts.
13. Explain with example the type of 2D transformation available in CSS3.
14. Explain with example the type of 3D transformation available in CSS3.
15. What is CSS3 Transitions? Explain with an example.
16. Explain transition-timing-function property with example.
17. What are CSS3 Animations? Explain @keyframes Rule.
18. Explain different functions used in animation.
19. Explain CSS3 linear gradient with example.
20. Explain CSS3 radical gradient with example.

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