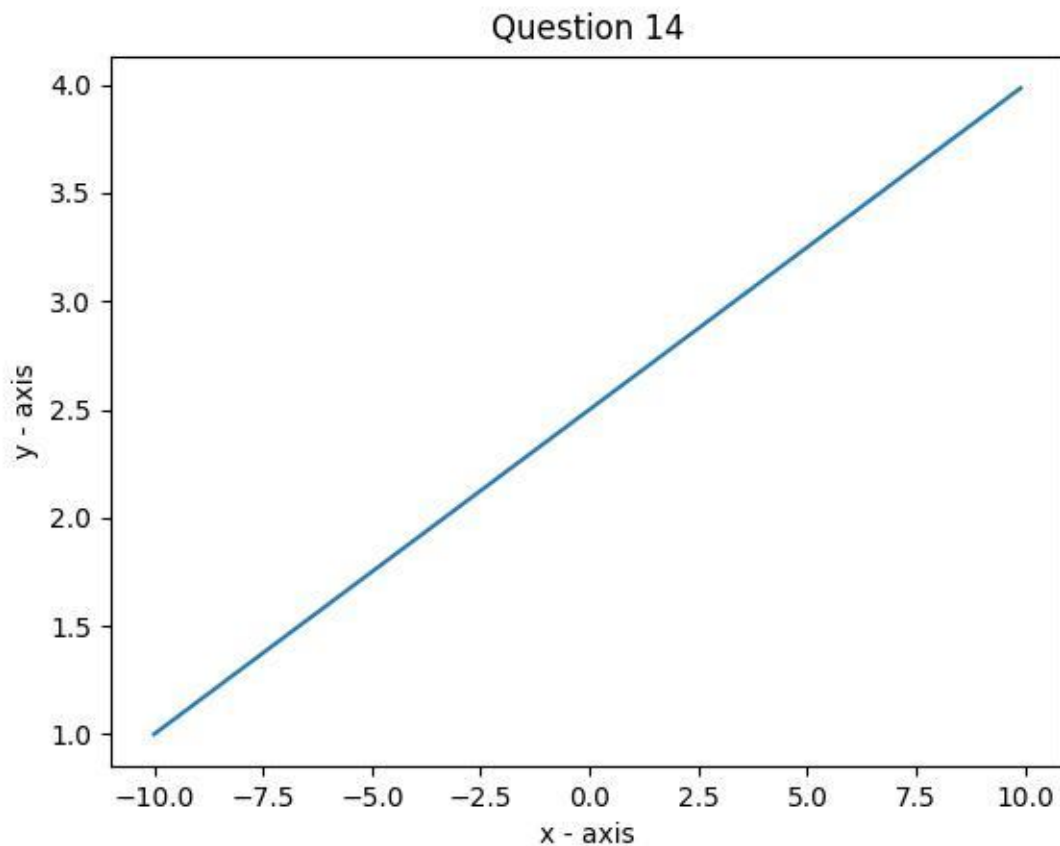


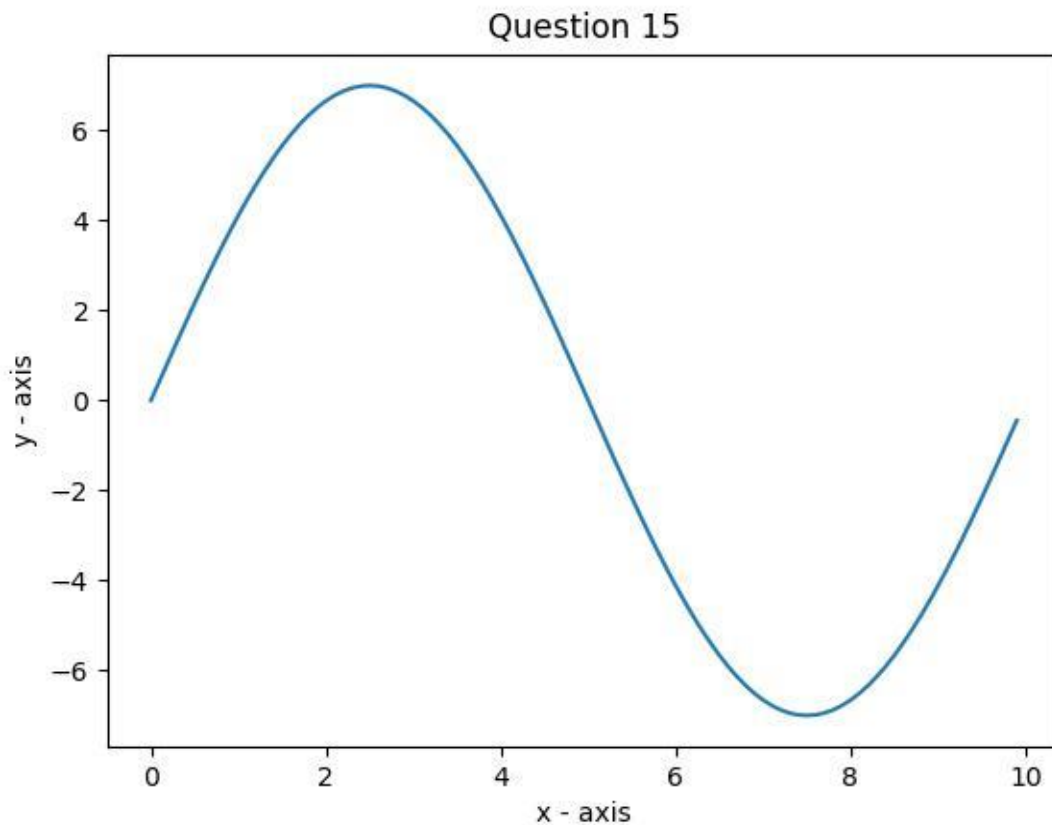
Question no 14 (A)-



The command that was used to plot this graph is:

- `import matplotlib.pyplot as plt`
- `import numpy as np`
`x = np.arange(-10,10,0.1)`
- `y = []`
- `for i in x:`
- `fx = 2.5+(3/20*i)`
- `y.append(fx)`
- `plt.plot(x, y)`
- `plt.xlabel('x - axis')`
- `plt.ylabel('y - axis')`
- `plt.title('Question 14')`
- `plt.show()`

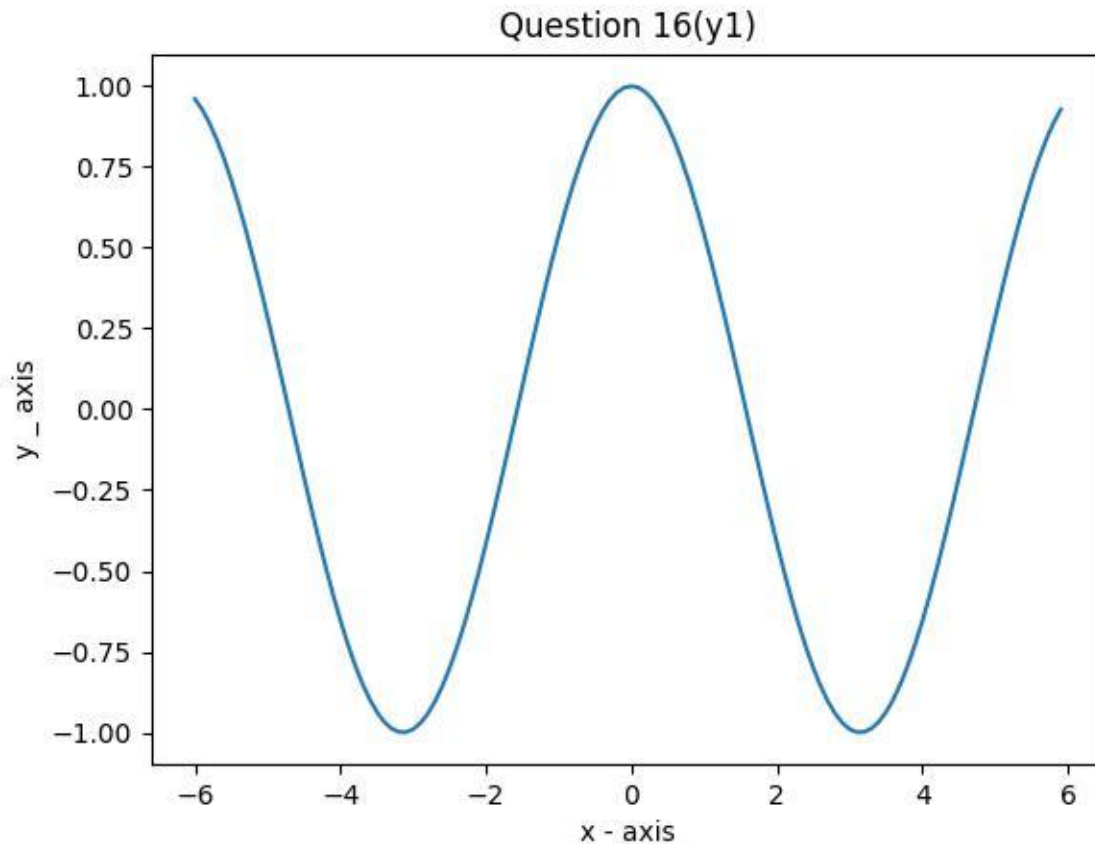
Question no 15 (B)-



The command that was used to plot this graph is:

- `import matplotlib.pyplot as plt`
- `import numpy as np`
- `x = np.arange(0,10,0.1)`
- `y = []`
- `for i in x:`
- `sx = 7*np.sin(np.pi*1/5 * i)`
- `y.append(sx)`
- `plt.plot(x, y)`
- `plt.xlabel('x - axis')`
- `plt.ylabel('y - axis')`
- `plt.title('Question 15')`
- `plt.show()`

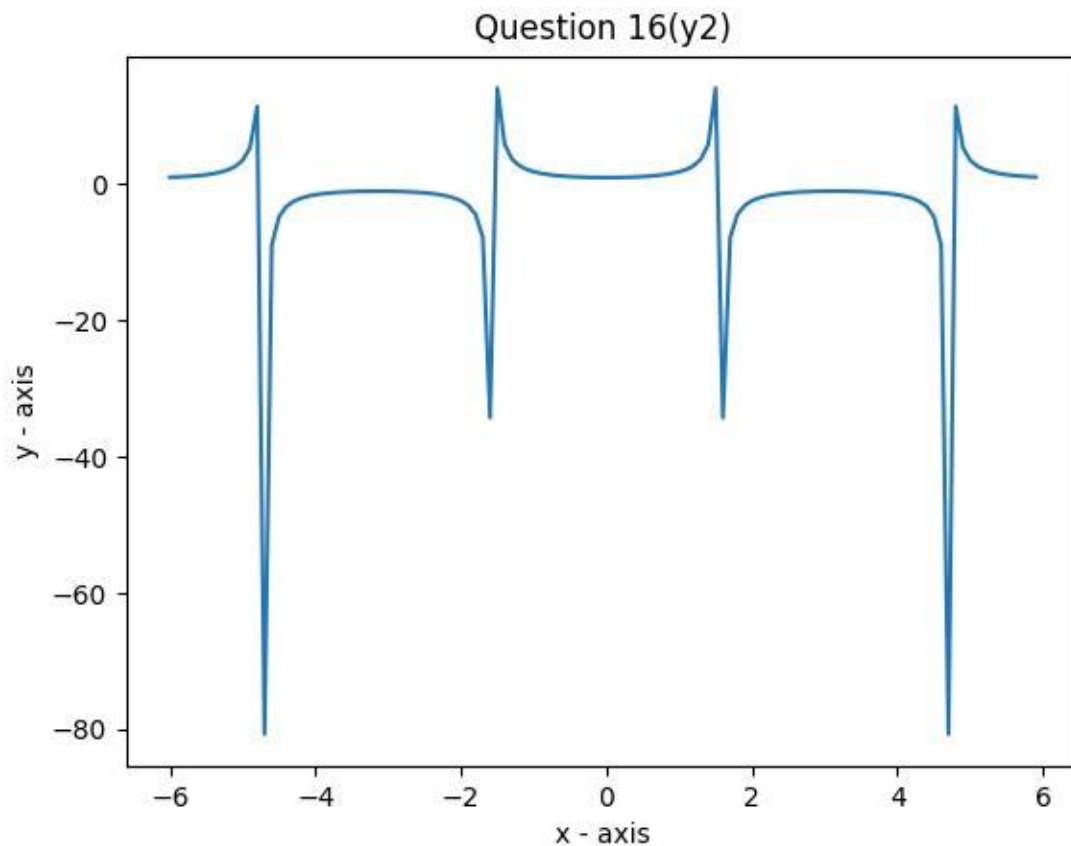
Question no 16($y_1 = \sin(x+\pi/2)$)



The command that was used to plot this graph is:

- `import matplotlib.pyplot as plt`
- `import numpy as np`
- `x = np.arange(-6,+6,0.1)`
- `y = []`
- `for i in x:`
- `fx = np.sin(np.pi*1/2+i)`
- `y.append(fx)`
- `plt.plot(x, y)`
- `plt.xlabel('x - axis')`
- `plt.ylabel('y - axis')`
- `plt.title('Question 16(y1)')`
- `plt.show()`

Question no 16(y2) = sec(x)



The command that was used to plot this graph is:

- `import matplotlib.pyplot as plt`
- `import numpy as np`
- `x = np.arange(-6,+6,0.1)`
- `y = []`
- `for i in x:`
- `f = (np.cos(i))** -1`
- `y.append(f)`
- `plt.plot(x, y)`
- `plt.xlabel('x - axis')`
- `plt.ylabel('y - axis')`
- `plt.title('Question 16(y2)')`
- `plt.show()`

