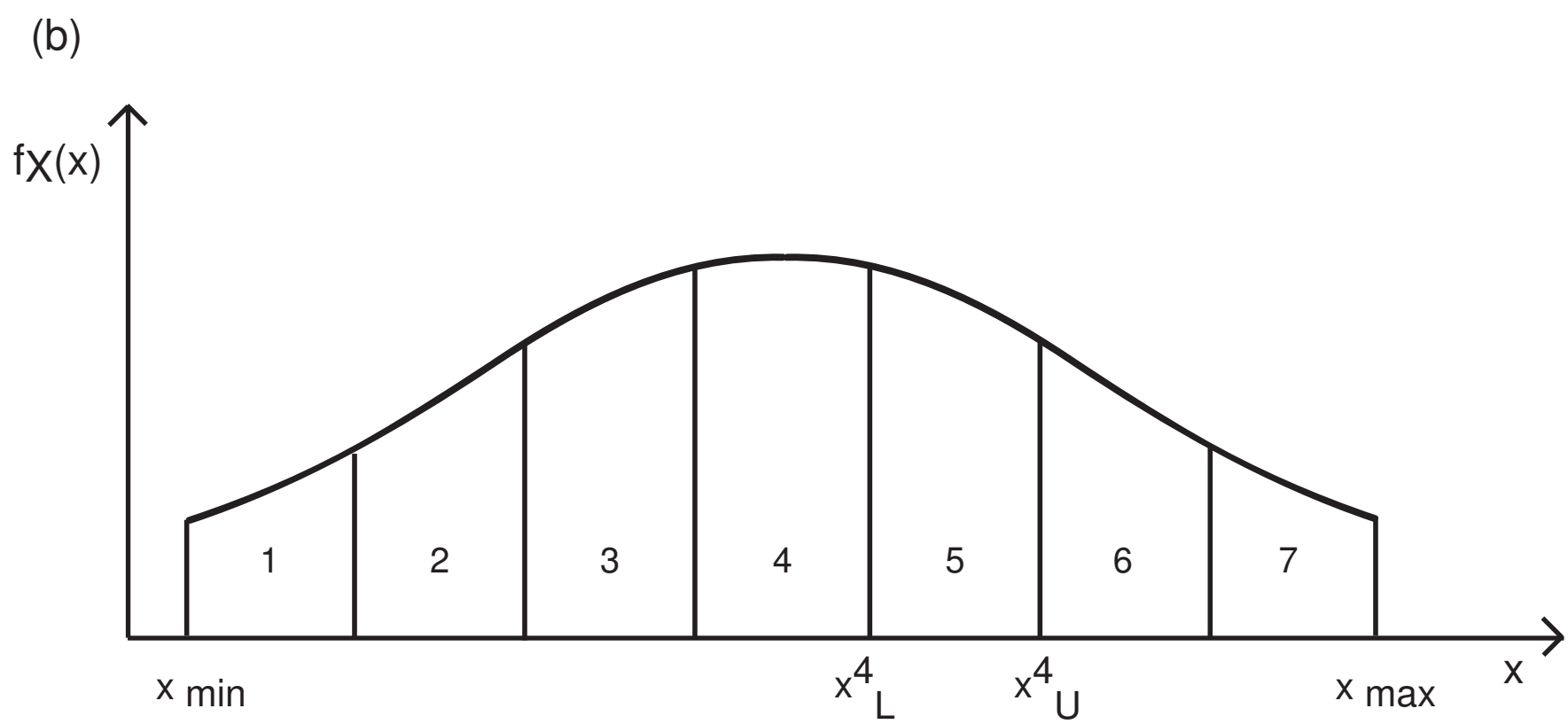
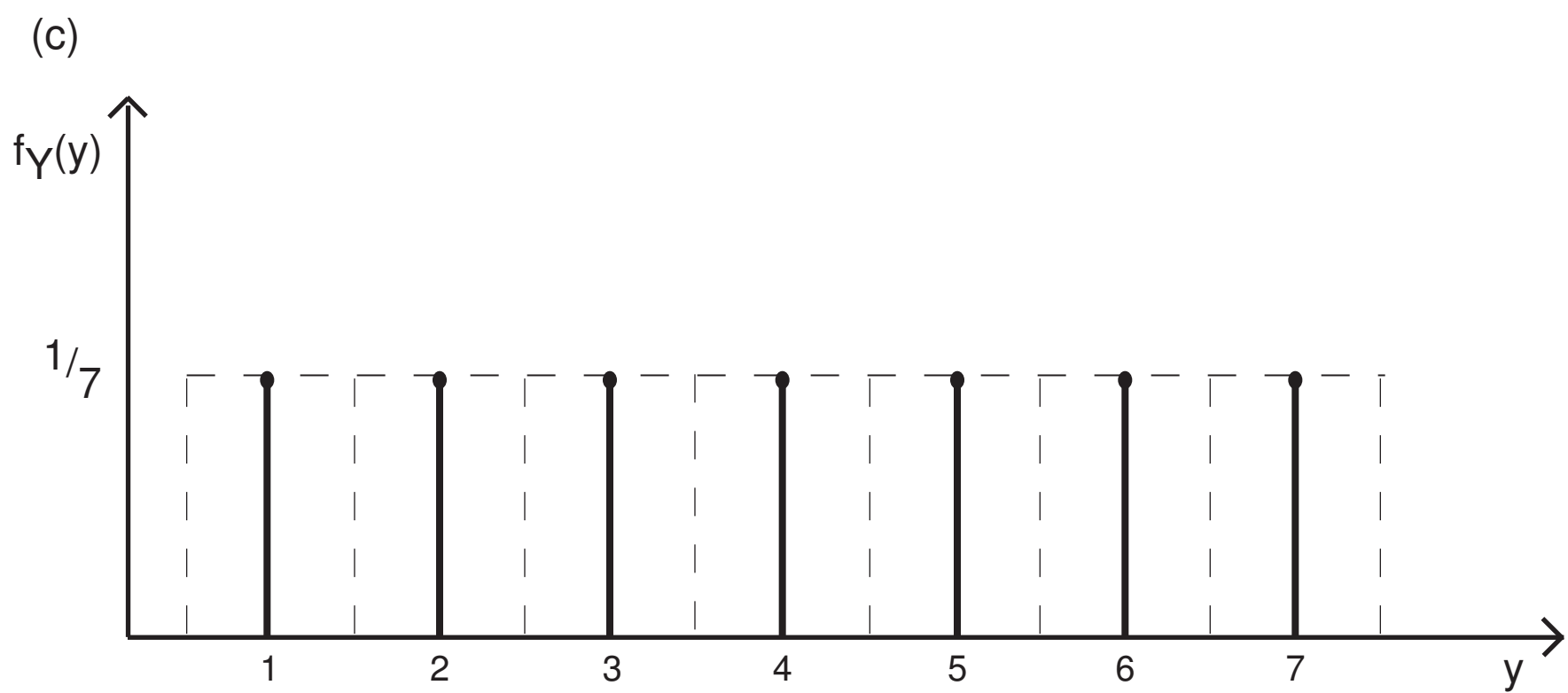


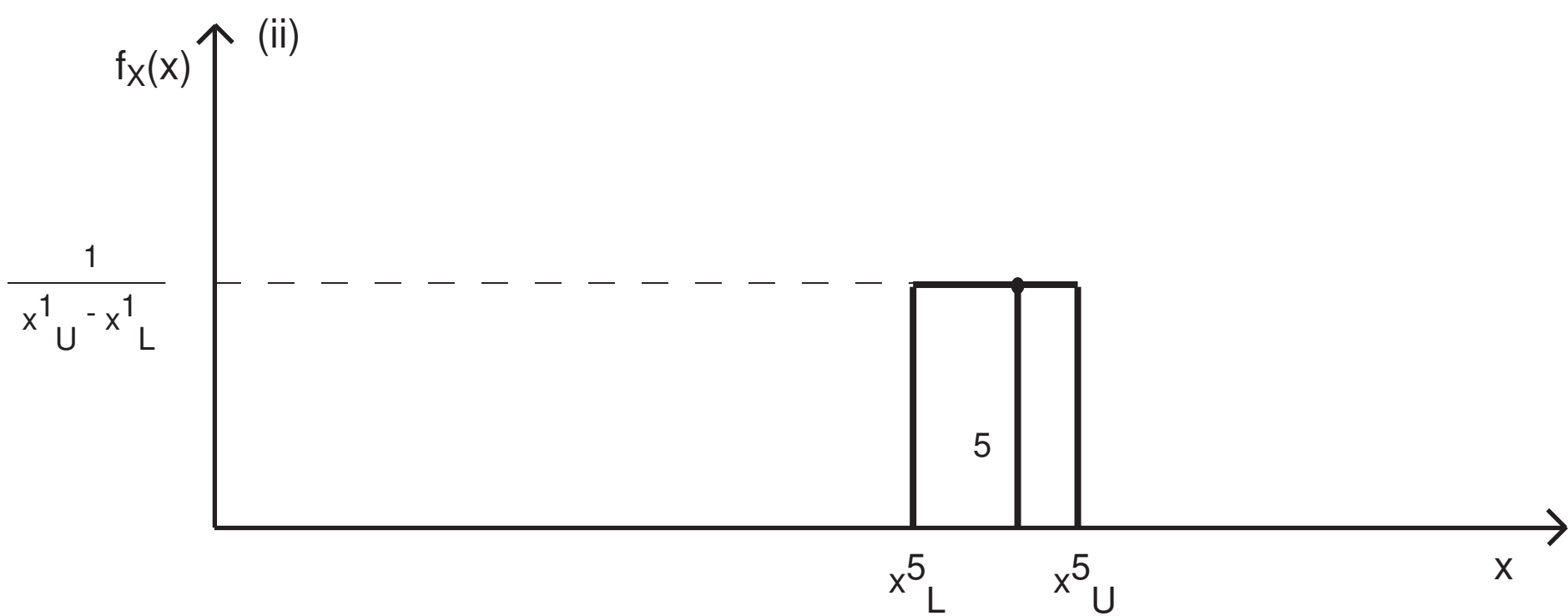
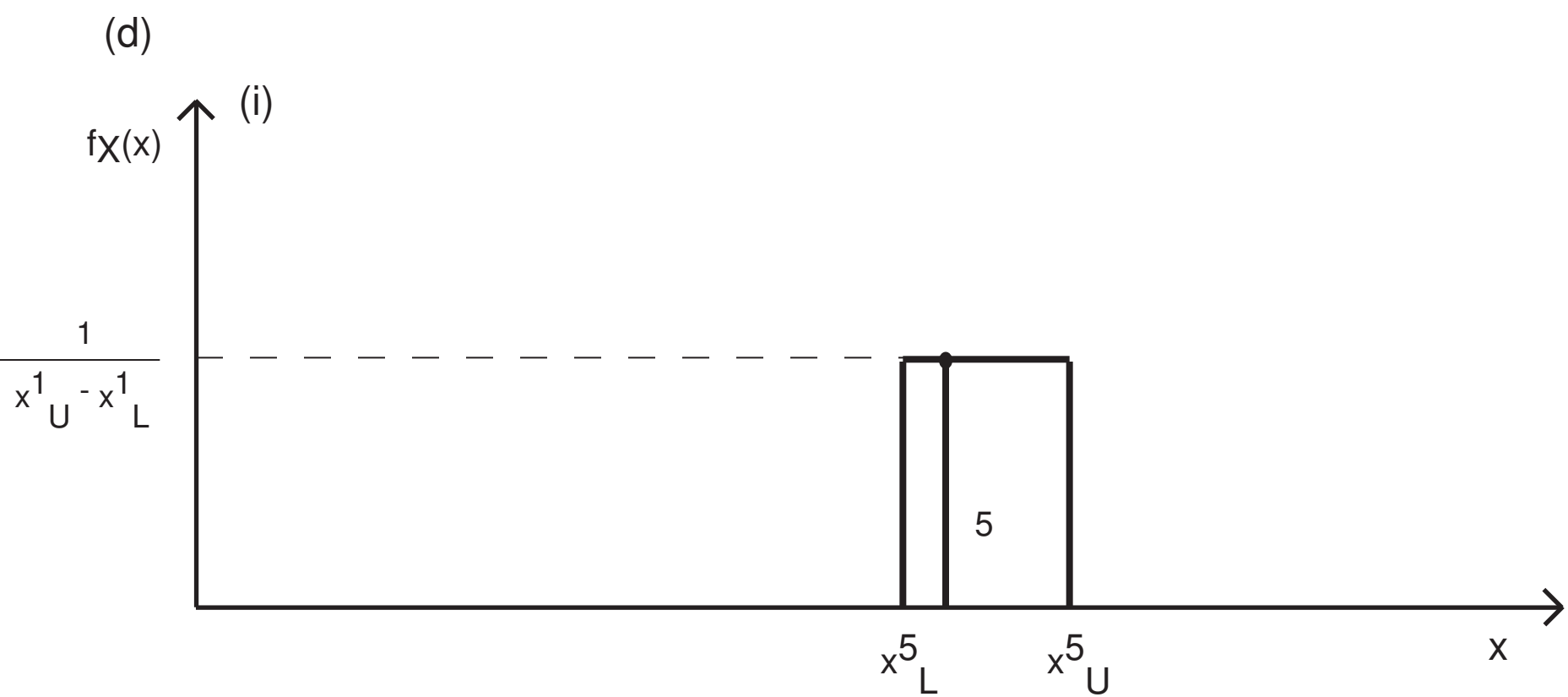
PDF of the random variable X .



Division of the PDF range into $N_b = 7$ bins.



N_S samples are drawn from the discrete uniform PDF where each value of y corresponds to a different bin. Note that the solid lines indicate the bin centroids and the dashed lines outline the original bins.



A sample of X is created for each of the Y values generated in (c) by selecting a random sample from the continuous uniform PDF spanning the range of the bin. This is illustrated here for two separate samples selected randomly from the 5th bin.