```
 1: import numpy as np
 2: import keras
 3: from sklearn.model_selection import StratifiedShuffleSplit
 4:
 5: num_classes = 10
 6:
 7: def even_sample_categories(n):
 8:     (x_train, y_train), (x_test, y_test) = keras.datasets.cifar10.load_data()
 9:     x_train = x_train.astype("float32") / 255
10:     x_test = x_test.astype("float32") / 255
11:     y_train = keras.utils.to_categorical(y_train, num_classes)
12:     y_test = keras.utils.to_categorical(y_test, num_classes)
13:
14:     return (x_train[1:n], y_train[1:n]), (x_test, y_test)
15:
16: if __name__ == "__main__":
17:     # Example usage
18:     X_train_even, y_train_even = even_sample_categories(num_samples_per_class=10)
19:     print(X_train_even, y_train_even)
20:     print(x_train.shape, y_train.shape)
21:     print(X_train_even.shape, y_train_even.shape)
```