

Section - 4

Q-3

Graphics Interchange Format (GIF)

- Ans:-
1. The Graphics Interchange Format (GIF) was developed by CompuServe Information Service to encode graphical images.
 2. It is another implementation of the LZW algorithm and is very similar to compress command. The compressed images is stored with the first byte being the min. number of bits b per pixel in the original image.
 3. The binary number 2^b is defined to be the clear code.
 4. This code is used to reset all compression and decompression parameters to start-up states. The initial size of the dictionary is 2^{b+1} .
 5. When this fills up, the dictionary size is doubled, as was done in the compress algorithm, until the maximum dictionary size of 4096 is reached.
 6. At this point, the compression algorithm behaves like a static dictionary algorithm.
 7. The codewords from the LZW algo. are stored in block size is 255.