



### EXERCISES

#### MULTIPLE CHOICE QUESTIONS

- 1) Open Document's main file extensions are
  - (a) .odt
  - (b) .ods
  - (c) .odp
  - (d) All of these
- 2) Technology no longer protected by copyright, available to everyone, is considered to be
  - (a) Proprietary
  - (b) Open
  - (c) Experimental
  - (d) in the public domain
- 3) Which of the following codes uses 7 bits to represent a character
  - (a) ISCII
  - (b) ASCII
  - (c) UNICODE
  - (d) All of the above
- 4) How many bits are used by UTF-8 to represent a character
  - (a) 7
  - (b) 8
  - (c) 16
  - (d) 32
- 5) ASCII stands for
  - (a) American System Code for Information Interchange
  - (b) American Standard Code for Information Interchange
  - (c) American Standard Code for Interchange Information
  - (d) American System Code for Interchange Information
- 6) ISCII stands for
  - (a) Indian System Code for Information Interchange
  - (b) Indian Standard Code for Information Interchange
  - (c) Indian Script Code for Interchange Information
  - (d) International Standard Code for Interchange Information





- 7) ISCII is
- (a) An 8 bit character code                      (b) A 16 bit character code  
(c) A 7 bit character code                      (d) Same as ASCII
- 8) Which of the following is open source operating system
- (a) DOS    (b) Windows 2010  
(c) BOSS    (d) Mac
- 9) Following operations are possible with OSS
- (a) Free download  
(b) Source code is available  
(c) You can redistribute the modified version  
(d) All of the above
- 10) Platform independence is provided by
- (a) ASCII    (b) ISCII  
(c) UNICODE    (d) All of the above

#### ANSWER THE FOLLOWING QUESTIONS

- 1) Define Open source software. Give at least two examples of OSS. Justify that free software is not open source software.
- 2) Give examples of two OSS in each of the following categories :
- (a) OS    (b) Graphics and animation  
(c) Office software    (d) Internet related software  
(e) Programming related software.
- 3) What is a character encoding system?
- 4) Differentiate between true type font and open type font.
- 5) What do you understand by ODF?







- 6) What is Ogg Vorbis?
- 7) Expand the following terms:  
OSS, FLOSS, ISCII, ASCII, BOSS, NRCFOSS
- 8) What is UNICODE?
- 9) Write short notes on GNU, BOSS, ISCII
- 10) What is the difference between static and dynamic fonts?

### LAB EXERCISES

- 1) Find out which software in your school lab are open source.
- 2) Note down the category of software (system software or application software) to which they belong to.
- 3) If any of them is application software then specify its area of application.
- 4) Search on internet about the features of mySQL and Netbeans.

### TIME BOUND TEAM BASED EXERCISE

(Team size recommended: 3 students each team)

- 1) Download open office on your computer. Write down its components, their areas of applications, their file extensions.
- 2) Procure BOSS and install it (with the permission of your teacher) on your computer and write down the features which are similar to windows and also which are not similar to windows.

