3146

University of Sargodha

BS Term System, 1st Term Exam 2013

Subject: Computer Science   Course: Introduction to Computing CMP:100

Time Allowed: 2:30 Hours   Maximum Marks: 60

Note: Section-I is compulsory. Attempt any four questions from section-II.

Section-I   Objective Part

Q.NO.1 Write short answers of the following questions in 2-3 lines only. (12*2=24)

1.   What is the largest positive number one can represent in 5-bit 2's Complement code?
2.   What is the difference between operating system and system software?
3.   Convert **1010** from 2's complement to Decimal.
4.   What is the difference between Compiler and interpreter?
5.   Convert **F4H** to decimal if the number is (a) unsigned , (b) signed?
6.   Convert the signed number **11111111B** to decimal.   0110
7.   Define Artificial Intelligence?
8.   Differentiate between web browser and Search engine?
9.   What do you mean by network topology?
10.   Briefly describe the working of NIC card?
11.   What is the difference between software engineering and system engineering?
12.   Define Information Technology?

Subjective Part   (9×4=36)

2 . Explain the applications of Computer Graphics in problem solving.

3. Define Software engineering? Explain different elements of Software engineering?

4 . Elaborate the different functions of Operating systems?

5. Define programming language? Also differentiate between Low level and assembly language?

6. Write an algorithm to find sum of first 20 odd integers. Also draw its flow diagram?

7. Define Computer ethics, Intellectual property rights; also pinpoint the IT code of conduct for computer use?

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