CRAWFORD UNIVERSITY, FAITH CITY, IGBESA, OGUN STATE,NIGERIA
COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF COMPUTER AND MATHEMATICAL SCIENCES
SEMESTER: RAIN SESSION: 2016/2017
COURSE TITLE: SPECIAL TOPICS IN ICT COURSE CODE: CSC / ICT 408; UNIT: 3C
INSTRUCTION: ANSWER ANY FOUR QUESTIONS; TIME ALLOWED: 3 HRS

Qu.1
i. What is a database?2mks.Give one example each of a flat file database and a relational data dase. 2mks.
ii. What is Bioinformatics?2mks Give 4 examples of Bioinformatics data that can be loaded into a data warehouse.2mks
iii. Why is the need for carrying out data mining on Bioinformatics?2mks
iv. Differentiate between ForenSic Science, Digital Forensics, and Digital Evidence.3mks
v. What are the 4 steps of forensic process?2mks

Qu.2
i. What are microwaves? 2mks.Mention 1 constituents of a typical digital microwave radio.1mk
ii. What is the full meaning of VSAT? 1mk Mention any 2 indoor units of a VSAT system. 2mks
iii. What is the major reason for initiating a GSM in Europe? 1mk
iv. What are the 4 standard subsystems into which the GSM network is divided?2mks
v. What is the sole purpose of producing satellites? 1mk
vi. What do you understand as the Uplink, Transponder and the Downlink in satellite signal transmission?3mks
vii. What is the function of a Satellite dish? 2mks.

Qu.3
i. What is the full meaning of ATM?1mk. Describe any 4 parts of an ATM machine.2mks
ii. What is a smart card?2mks.Mention 2 other names for a smart card. 1mk
iii. There are 4 types of smart cards, what are the types?2mks
iv. Give the full meaning of a SIM? 1mk. Where is it commonly found and what is its function? 3mks.
v. Mention any hardware component of a SIM.1mk
vi. What is POS? 1mk Mention 2 hardware features of POS. 1mk

Qu.4
i. What do you understand by Grid computing? 2mks
ii. What is the major advantage attested to Grid computing? 2mks
iii. Mention 4 applications of Grid computing.2 mks
iv. What is cloud computing? 2mks. List and explain the 4 types of access available to the cloud.2mks
v. Briefly describe ICT trends in the following areas: Computing Capability, Analytics, Connectivity, Impacts of Automation ,and Data Storage. 5mks

Qu.5
i. What is a 'Distributed System' in modern computing? 2mks
ii. What are 4 of the characteristics of a Distributed system? 4mks
iii. Mention any 4 areas of organization in which a data processing manager must give adequate attention.4mks
iv. What is a computer centre? 2mks
v. Differentiate between a centralised computer centre and a decentralised one.3mks

Qu. 6
i. Differentiate between an Expert System and Robotics. 2mks
ii. What is fiber optics and what makes it uniquely different from wired cables?3mks
iii. App Store is a type of Mobile App. List and describe any 3 of them.3mks
iv. Explain any 7 acts in which Computer criminal law could be violated.7mks

CRAWFORD UNIVERSITY LIBRARY