Form No. Ex- 8

Particulars about the candidate and the subject are checked thoroughly and corrected where necessary.



Sl. No.....

CENTRE CODE :....

Invigilator

Signature of Officer-in-Charge

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

CCA Examination, 2014 Paper - 01

Introduction to Information Technology

	Time: 3 Hrs	Full Marks: 100
Enrolment Number		
Medium of Answer:		

INSTRUCTIONS TO CANDIDATES

- 1. This booklet contains 24 Pages.
- 2. An Examinee is allowed to bring only Admission Card and Identity Card to the Examination Hall. Any Examinee found in possession of loose papers, books etc. is liable to be Expelled
- 3. Enrolment No. and Medium of answer must be written legibly at the specified places. Examinee's name and any other identifying mark which reveals examinees identity shall not be written anywhere in the script.
- 4. For Making calculations, only the last page provided for rough work shall be used.
- 5. No pages of the script be torn out.
- 6. Calculators will not be allowed for making calculations in the examination hall. MOBILE PHONES are strictly prohibited in the examination Centre.
- 7. No candidate will be allowed to leave or go out of the hall during the First hour of the Examination.
- 8. A candidate having completed his/her answer, the script must be handed over, to an invigilator before leaving the hall.
- 9. Contravention of any of the instructions mentioned above shall render a candidate liable for disciplinary action as per regulations of the University.

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Head Examiner's Signature:

1. Answer any seven from the following questions

 $2 \times 7 = 14$

- (a) What is an IP address?
- (b) Give two examples of Real-time OS.
- (c) Which memory is said to be volatile? Why it is so called?
- (d) Define protocol.
- (e) What is URL?
- (f) What is computer virus?
- (g) What is the basic difference between vacuum tube and transistor?
- (h) What are the full forms of FDDI, EPROM, BIOS, IEEE?

2. Answer any three from the following questions

- $4 \times 3 = 12$
- (a) What are the main characteristics of super computer? Give two examples of super computer.
- (b) What are the major advantages of magnetic disk?
- (c) Write the role of SMPS.
- (d) What are the goals of computer networks?
- (e) What are the purpose of using serial port, paralled port and VGA port?

3. Answer any four from the following questions

 $6 \times 4 = 24$

- (a) Differentiate the term Direct and Random access storage devices. In which category does a magnetic disk fall? Give reasons for your answer.
- (b) Differentiate between the dial-up and ADSL internet connection.
- (c) Discuss multimedia computing.
- (d) Write the functions of each components of a CPU.
- (e) Differentiate between static and dynamic RAM.
- (f) What are the categories of network? Briefly discuss each of them.

4. Answer any five from the following questions

- $10 \times 5 = 50$
- (a) Discuss the important features of various generations of computers. Give some examples of computers of each generations.
- (b) What are the functions of operating system? Give the difference between multitasking and multiprogramming operating system.
- (c) What is ISO-OSI model? Briefly explain the functions of each layers of ISO-OSI model.
- (d) What do you mean by network topology? Give the advantages and disadvantages of Bus and star topology.
- (e) Discuss the functioning of a web server and web browser. Also give two examples of web server and web browser.
- (f) Write short notes on
 - (i) ISP (Internet Service Provider)
 - (ii) Firewall.
- (g) Write down the functionalities of bridge, gateway, hub, switch and router.