COMPUTER SCIENCE (NEW COURSE)   TIME: 20 MINUTES
ACADEMIC SESSION : 2015 – 2017 TO 2017 - 2019   MARKS: 15
OBJECTIVE

NOTE: You have four choices for each objective type question as A , B , C and D . The choice which you think is correct , fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

QUESTION NO. 1

1	Data shown on display unit or played through audio is called
	(A) Hard copy (B) Soft copy (C) Shared copy (D) Photocopy
2	Printed images can be converted into digital form using
	(A) Stylus (B) Mouse (C) Scanner (D) Joystick
3	Which one connects two similar networks ?
	(A) NIC (B) Bridge (C) Gateway (D) Router
4	De Jure means
	(A) According to law (B) Existing facts (C) Historical Events (D) By nature
5	Analog signals are measured in t
	(A) Volt (B) Herts (C) Digits (D) Watts
6	The communication channels can be divided into
	(A) Two types (B) Three types (C) Four types (D) Five types
7	The fly-by-wire system is used in
	(A) Education (B) Medical (C) Industry (D) Airline
8	The program that contains the instructions to operate a device is called
	(A) Device Driver (B) Device Operator (C) Device System (D) Device Operating System
9	CPU sends command signals through
	(A) Data Bus (B) Address Bus (C) Control Bus (D) Expansion Bus
10	Which one of the following is not a cause of virus ?
	(A) Pirated software (B) Email (C) Network (D) Logic Bomb
11	A virus that replicates itself is called
	(A) Bug (B) Worm (C) Trojan Horse (D) Boot sector virus
12	A small image that represents a program , folder or file is called
	(A) Menu (B) GUI (C) Command (D) ICON
13	We press Enter key in MS-Word to create a
	(A) Line (B) Sentence (C) Paragraph (D) Document
14	A work book is a collection of
	(A) Tables (B) Formula (C) Sheets (D) Functions
15	The length of IP address is
	(A) 8 bits (B) 16 bits (C) 24 bits (D) 32 bits

COMPUTER SCIENCE (NEW COURSE)
ACADEMIC SESSION : 2015 – 2017 TO 2017 – 2019

TIME : 2.10 HOURS
MARKS : 60

<u>SUBJECTIVE</u>
<u>SECTION-I</u> OGK-11-18

QUESTION NO. 2 Write short answers any Six (6) questions of the following   12

1	What is data ?
2	How does a mouse work ?
3	What is preliminary plan ? What is its use ?
4	What is the use of token in ring topology ?
5	Write one difference between de-facto and de-jure standards
6	Write two functions of session layer
7	List two characteristics of Analog Signals
8	Distinguish between Frequency and Amplitude of a Signal
9	What is Modulation ?

QUESTION NO. 3 Write short answers any Six (6) questions of the following   12

1	How can the computer help in marketing ?
2	Define computer aided learning
3	List any two applications of computer in education
4	What is main memory ?
5	How does cache memory work ?
6	What is DMA ? Define it
7	Why I/O instructions are used ?
8	Distinguish between serial port and parallel port
9	Why is data security important ?

QUESTION NO. 4 Write short answers any Six (6) questions of the following   12

1	Why does computer need an operating system ?
2	Start the purpose of disk management utility
3	Discuss briefly internet explorer
4	Distinguish between cut and copy command
5	What is meant by paragraph formatting ?
6	Define a function in MS-Excel
7	List any four built-in functions of spreadsheet
8	Describe briefly web publishing
9	Where are the websites hosted ?

SECTION-II

Note: Attempt any Three questions from this section   8 x 3 = 24

Q.5	What is impact printer ? Discuss dot-matrix and line printer in detail	2+3+3
Q.6	What is computer Network ? Discuss following types of Network model. (1) Client Server (2) Peer – to – Peer (3) Hybrid	2+2+2+2
Q.7	What is Guided media ? Explain (i) Fiber optic cable (ii) Coaxial cable	2+3+3
Q.8	Define Language Processor. Explain different types of Language Processor	2+2+2+2
Q.9	Define virus. Explain any three causes of computer virus	2+6