PAPER CODE – 6837

11th CLASS – 1st Annual 2024

COMPUTER SCIENCE

TIME: 20 MINUTES
MARKS: 15

OBJECTIVE pakcity.org

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 marks in that question.

QUESTION NO. 1

1	The cell range A5 through G5 should be typed as	
	(A) A5 : G5 (B) A5 … G5 (C) A5 – G5 (D) A5 to G5	
2	If the custom format is # # #. 00 then 1.2 will be displayed as	
	(A) 12.0 (B) 120.0 (C) 1.02 (D) 1.20	
3	A domain name is the text version of	
	(A) Hyperlink (B) IP address (C) Hypertext (D) HTML	
4	An inkjet printer is an example of a (n)	
	(A) Laser printer (B) Non-impact printer (C) Thermal printer (D) Impact printer	
5	Unit testing is also called	
	(A) System Testing (B) Report Testing (C) Blackbox Testing (D) Modular Testing	
6	The term " De Facto " refers to the standards	
	(A) By facts (B) By law (C) By study (D) By regulation	
7	Which OSI layer is responsible for encryption and decryption ?	
	(A) Transport layer (B) Session layer (C) Presentation layer (D) Physical layer	
8	Transmission that uses a clock to control the timing of bits being sent is	
	(A) Synchronous (B) Asynchronous (C) Parallel (D) Serial	
9	The process of converting analog to digital signal is known as	
	(A) Modulation (B) Sequencing (C) Processing (D) Demodulation	
10	The fly-by-wire system is used in	
	(A) Medical field (B) Education field (C) Airline system (D) Weather system	
11	A blank ROM that can be programmed only once is	
	(A) EPROM (B) PROM (C) EEPROM (D) ROM	
12	The output of the compiler is called	
	(A) Linked code (B) Program (C) Source code (D) Object code	
13	Making illegal copies of copyrighted software is called	
	(A) Piracy (B) Hacking (C) Distribution (D) Infected	
14	A list of documents waiting to be printed on printer is called	
	(A) Print stack (B) Print list (C) Print queue (D) Print line	
15	Clipboard in words , stores	
	(A) Deleted Text (B) Copied Text (C) Repeated Text (D) Entered Text	

COMPUTER SCIENCE   DG Khan Board-2024   TIME : 2.10 HOURS
MARKS : 60

SUBJECTIVE
SECTION-I

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

i	Differentiate between Softcopy and Hardcopy output
ii	Convert 256 GB of memory into bytes
iii	How does Tree topology differ from Mesh topology ?
iv	Differentiate between Intranet and Extranet
v	Write two functions of Presentation Layer
vi	What do you know about Client/Server network model ?
vii	What is meant by FTP ?
viii	What do you know about Baseband ?
ix	How is an analog signal represented graphically ?

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

i	Describe the use of Memory Address Register (MAR)
ii	What is DMA ?
iii	Why RAM is called Read/Write memory ?
iv	How cache memory increase the performance of computer ?
v	Which type of damage is caused by Chernobal Virus ?
vi	Write any two ways in which security of data may be violated ?
vii	What is boot Sector Virus ?
viii	What is an IP address ? Why it is used ?
ix	Define search engine

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

i	What is formatting in MS-Word ?
ii	What do you know about word processor ?
iii	What is the use of clipboard in MS-Word ?
iv	How a picture is inserted in word document ?
v	Write a formula to calculate the average of cells D3 and D4 in Excel
vi	Write a function that returns the minimum number from cells B2 to B10
vii	Write a formula to add cell A1 of sheet 1 and cell A2 of sheet 2 in Excel
viii	Differentiate between worksheet and workbook
ix	Define formula in Excel

SECTION-II   pakcity.org

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

Q.5	What is impact printer ? Discuss three different types of impact printers	2+2+2+2
Q.6	What is data communication ? Discuss different modes of data communication	2+6
Q.7	What is E-commerce ? Discuss any three services of E-commerce used most frequently in E-business	8
Q.8	What is ROM ? Explain different types of ROM	8
Q.9	Discuss different Mouse and Keyboard events	2+2+2+1+1

COMPUTER SCIENCE

TIME: 20 MINUTES
MARKS: 15

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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	Unicode uses. (A) 4 - bit (B) 8 - bit (C) 12 - bit (D) 16 - bit
2	Which value in start bit indicates that the transmission line is idle ? (A) 0 (B) 1 (C) 2 (D) 3
3	CBT software is mostly used in (A) Education (B) Farming (C) Forecasting (D) Planning
4	Cache memory works between (A) RAM and ROM (B) RAM and Hard disk (C) CPU and Hard disk (D) CPU and RAM
5	Which of the following has the fastest speed ? (A) RAM (B) ROM (C) Cache (D) Disk
6	Which register has special role in division and multiplication ? (A) AX (B) DX (C) BX (D) CX
7	McAfee is an example of (A) Antivirus (B) Virus (C) Worm (D) Spyware
8	AU files deleted from computer are sorted in (A) Sys-tray (B) Temporary Files (C) Recycle Bin (D) My documents
9	How many orientation types are available in word ? (A) Four (B) Three (C) One (D) Two
10	The columns in a spreadsheet are labeled by (A) Numbers (B) Letters (C) Cell references (D) Different values
11	The symbol that separates different parts of a an e – mail address is (A) $ (B) # (C) @ (D) %
12	Which is the correct association between hardware device and component type ? (A) Mouse - Processing (B) Hard disk – Out put (C) Keyboard - Input (D) CPU - Storage
13	Which one of the following is the largest unit of data ? (A) Kilobyte (KB) (B) Megabyte (MB) (C) Terabyte (TB) (D) Gigabyte (GB)
14	The top most layer of the OSI model is (A) Application (B) Presentation (C) Session (D) Transport
15	Every device has exactly two neighbours in (A) Bus topology (B) Ring topology (C) Star topology (D) Mesh topology

COMPUTER SCIENCE

DG Khan Board-2023

TIME : 2.10 HOURS
MARKS : 60

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SUBJECTIVE
SECTION-I

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

i	How would you elaborate the term digital convergence ?
ii	What is the drawback of using plotter ?
iii	Convert 256 bits into bytes.
iv	Why is it important to test a system before use ?
v	Write down any two benefits of video conferencing.
vi	How computer can be useful in weather forecasting ?
vii	What is ROBOT ?
viii	What do you mean by named ranges in MS - Excel ?
ix	Write a function in MS – Excel that adds the values in cell A1 through A5.

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

i	Define network topology.
ii	List down two functions of session layer.
iii	What is the use of file transfer protocol ?
iv	How serial transmission is different from parallel transmission ?
v	What is digital signal ?
vi	What are encoder and decoder in data communication system ?
vii	Why search engines are used ? Name two of these
viii	Define web publishing.
ix	What do you understand from news groups ?

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

i	What is DMA ?
ii	How does an instruction differ from an operation ?
iii	Who is hacker ?
iv	Give two causes of virus.
v	What do you mean by data protection ?
vi	Give two examples of command line operating system.
vii	What is desktop ?
viii	Write short cut keys to save and print document.
ix	How undo and redo commands are used ?

SECTION-II

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

Q.5	Define display screen. Explain different types of display screen
Q.6	Describe network model. Explain different network models.
Q.7	What is Un – guided media ? Explain different types of Un – guided media.
Q.8	What is RAM ? Difference between SRAM and DRAM ?
Q.9	What is operating System ? Discuss any six functions of operating system.

DG Khan Board-2022

PAPER CODE - 6831

11th CLASS – 12022

COMPUTER SCIENCE

TIME: 20 MINUTES
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	Temporary storage within CPU is called
	(A) RAM (B) ROM (C) Register (D) Hard Disk
2	Which is NOT an output device ?
	(A) Speaker (B) Scanner (C) Printer (D) Plotter
3	The physical layout of computer is known as
	(A) Topology (B) Session (C) Link (D) Style
4	The top most layer of OSI model is
	(A) Application (B) Presentation (C) Transport (D) Session
5	Select unguided media from the following
	(A) Twisted pair (B) Fiber optics (C) Satellite (D) Co-axial
6	Digital Signals are commonly known as
	(A) Broadband (B) Baseband (C) Narrowband (D) Wideband
7	Which facility many banks provide
	(A) CAD (B) CAM (C) ATM (D) CBT
8	Which component of CPU interacts with primary memory
	(A) ALU (B) CU (C) BUS (D) USB
9	Program syntax error are detected by
	(A) Compiler (B) Debugger (C) Loader (D) Linker
10	How many types of language translators are
	(A) 1 (B) 2 (C) 3 (D) 4
11	The right of person to keep his personal information away from other is called
	(A) Privacy (B) Private (C) Secrecy (D) Right
12	All files deleted from computer are stored in
	(A) Sys-tray (B) Temporary File (C) Recycle Bin (D) My document
13	Bitmap graphics are......... pictures.
	(A) Printed (B) Line (C) Curve (D) Solid
14	A workbook is group of
	(A) Many rows (B) Many column (C) Work sheet (D) Manu
15	Copying data from Internet to computer is called
	(A) Uploading (B) Downloading (C) Transferring (D) Moving

COMPUTER SCIENCE   DG Khan Board-2022   TIME : 2.10 HOURS
                                                 MARKS : 60

SUBJECTIVE
SECTION-I

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

i	Define Digital Convergence.
ii	How function keys are helpful ?
iii	Why it is necessary to define system scope ?
iv	Name any two alternatives of mouse.
v	How uploading is different from downloading ?
vi	Write any two uses of Networks.
vii	What is the function of presentation layer ?
viii	Define Macro in MS-Word.
ix	Differentiate between Bitmap and Vector graphics.

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

i	List three types of Modems.
ii	Compare simplex and half-duplex.
iii	Why fiber optic is so fast ?
iv	How RAM is important for computer ?
v	Define operand code and operands.
vi	What is the purpose of CPU registers ?
vii	List three steps preformed by processor to execute statement.
viii	Define formula in Excel.
ix	Write the use of MAX function in Excel.

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

i	How can you describe E-Commerce ?
ii	What is the use of computer aided design ?
iii	List four benefits of CBT.
iv	Write two advantages of Antivirus software.
v	What is software privacy issue ?
vi	How would you describe the purpose of Recycle Bin ?
vii	What is GUI operating system ?
viii	Elaborate the purpose of search Engine ?
ix	What do you mean by web Browser ?

SECTION-II

Note: Attempt any Three questions from this section   pakcity.org   **8 x 3 = 24**

Q.5	What is non-impact Printer ? Discuss LASER Printer and Inkjet Printer.	2+3+3=8
Q.6	What is Email ? Explain its six benefits.	2+1+1+1+1+1+1=8
Q.7	What is data communication ? Explain different components of communication network. 2+6=8	
Q.8	How translator works ? Elaborate different types of Language Translators.	2+2+2+2=8
Q.9	How virus is harmful for computer system ? Explain three causes of computer virus.	8

DG Khan Board-2021

PAPER CODE - 6831

11ᵗʰ CLASS – 12021

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COMPUTER SCIENCE

TIME: 20 MINUTES
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	Hardware is best described as
	(A) Physical part (B) Printed copy file (C) Logical part (D) Program
2	GB is approximately
	(A) 1,000 KB (B) 1024 MB (C) 100 TB (D) 1024 KB
3	Which of the following is a communication device ?
	(A) Ethernet (B) UTP (C) USB (D) Router
4	How many types of network standards are there ?
	(A) 4 (B) 6 (C) 2 (D) 8
5	Which of the following transmission media is used in LAN ?
	(A) Telephone line (B) Microwave (C) Coaxial cable (D) Satellite
6	Select unguided media from the following
	(A) Twisted pair (B) Satellite (C) Fiber optic (D) Coaxial
7	Many Banks provide the facility of
	(A) ATM (B) CAM (C) CBT (D) CAD
8	The program that contains instruction to operate a device is called
	(A) Device operator (B) Device system (C) Device linking (D) Device driver
9	Which memory is used to speed up the computer processing ?
	(A) ROM (B) Cache (C) BIOS (D) HDD
10	Which of the following is a biometric technique for person identification ?
	(A) Access card (B) Password (C) Finger print (D) PIN
11	A small image that represent a program , Instruction or file is called
	(A) Menu (B) Dialog Box (C) Window (D) Icon
12	The Interface used by DOS is called
	(A) Command line (B) System (C) Graphical user (D) Design
13	The tool used to find a similar or alternative word in a document is called
	(A) Finder (B) Thesaurus (C) Dictionary (D) Style
14	A formula in MS-Excel always begins with
	(A) > (B) == (C) = (D) <
15	Which software is used to search and view web pages
	(A) Window explorer (B) Web server (C) HTML (D) Web browser

COMPUTER SCIENCE

TIME : 2.10 HOURS
MARKS : 60

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SUBJECTIVE

SECTION-I

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

1	What is meant by information technology ?
2	Define system. Enlist different components of system
3	Convert 60 GB of memory into words
4	Differentiate between computer hardware and software
5	Define workgroup computing
6	Enlist different layers of OSI model
7	What is the concept of telecommunication ?
8	Describe the concept of communication channel
9	Differentiate between analog and digital signals

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

1	Write any two uses of computer in business
2	What is the purpose of A.T.M ?
3	State the purpose of computer simulation
4	Why RAM is called volatile memory ?
5	Write two responsibilities of I/O unit
6	What is function of ROM ?
7	Define operating system
8	List two names of viruses
9	How can virus damage computer ?

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

1	Define the Recycle Bin object of MS-Windows
2	Describe multi-user feature of operating system
3	Why is extended partition used ?
4	What is meant by search and replace ?
5	Write the purpose of layout feature of word processor
6	Why is thesaurus used in word processing ?
7	Define the term cell references in spread sheet
8	What is meant by Named Ranges ?
9	Give an example of MAX function with cell addresses in MS-Excel

SECTION-II

Note: Attempt any Three questions from this section $3 \times 8 = 24$

Q.5	Define network topology. Explain the working of star topology with the help of example and diagram	2+4+1+1
Q.6	Define Data Communication with the help of a diagram. Also explain its components	2+1+5
Q.7	Define CPU. Explain Fetch-Decode-Execute Cycle of CPU	2+2+2+2
Q.8	Define data security. Explain any six solution of data security threat	2+6
Q.9	Define Internet addressing schemes. Explain its two types	2+3+3

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

OBJECTIVE 🞕 pakcity.org 🞕

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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

SUBJECTIVE
SECTION-I

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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