Roll No.: _____

Max. Time: 1.5 Hrs

Max. Marks: 30

Note: *All questions are compulsory.*

Section –A (each question carries 1 mark)

Qno.1:

a. What is Information Technology?
b. Define Domain name?
c. Define Internet.
d. Abbreviate TCP and UDP.
e. 177.168.143.11 belongs to _____ class.
f. Define topology.

Section-B (each question carries 2 marks)

Qno.2: Discuss the components of information technology?

Qno.3: Difference between internet, intranet and extranets?

Section-C (each question carries 4 marks)

Qno.4: Discuss the role of information technology?

OR

Discuss the advantages and disadvantages of information technology.

Qno.5: Define the various mode of internet connection?

OR

What is the use of modem? Also discuss various types of modems?

Section-D (each question carries 6 marks)

Qno.6: Explain network topologies with suitable diagram.

OR

Define IP address. Explain the classes in IP address. Differentiate IP address from MAC address.

Qno.7: Explain the working of web browser? Explain web server with suitable diagram.

OR

Write a note on search engine?

Roll No.:-_____   Paper Code: - 2022/1/HSMC-051
Max. Time: - 1.30 Hrs   Sub: - Universal Human Values
Max. Marks:-30
Note: *All questions are compulsory.*

Section –A (each question carries 1 mark)

Qno.1:-
   a) Define the Value Education?
   b) Define Human consciousness.
   c) What is Basic Human Aspirations?
   d) What do you mean by Natural Acceptance?
   e) Define the Human Being?
   f) Why respect is considered as one of the most important human value?

Section-B (each question carries 2 marks)

Qno.2:- What do you mean by Education Sanskar, also describe role of value education

Qno.3:- Draw the conclusion of Right Understanding, Relationship and Physical facility.

Section-C (each question carries 4 marks)

Qno.4:- What is Self-exploration, discuss its purpose also?

OR

What is the Process of Right Understanding?

Qno.5:-Write a brief note on self satisfaction.

OR

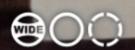Explain needs of self and body.

Section-D (each question carries 6 marks)

Qno.6:- Describe the need, Guidelines and contents for Value Education.

OR

Explored the Process of Happiness and Prosperity.

Qno.7:- Explain understanding of Harmony of the Self with the Body.

OR

Enlist various core human values and describe any three of them.

Roll No.:- _____

Max. Time: - 1.30 Hrs

Max. Marks:-30

Note: *All questions are compulsory.*

Section –A (each question carries 1 mark)

Qno.1:- i) What is the difference between Compiler and Interpreter?

ii) What is the difference between Continue and Break statement?

iii) Why Size of( ) operator is used?

iv) What is go to statement?

v) What is nested structure?

vi) Explain the bitwise operators available in C.

Section-B (each question carries 2 marks)

Qno.2:- What do you mean by precedence and associativity while solving some arithmetic expressions?

Qno.3:- Differentiate between while and do while loop with suitable Example.

Section-C (each question carries 4 marks)

Qno.4:- Write a C program to find largest of 2 numbers and also write flow chart.

OR

Write a program in C to check whether the given number is prime or not.

Qno.5:- Write a program in C to print first 10 natural numbers in reverse order.

OR

What are ternary or conditional operators? Explain in details of associativity.

Section-D (each question carries 6 marks)

Qno.6:- What is formatted input and output? Write a C program to find whether a number is even or odd.

OR

What is Token? What are the different types of token available in C language.

Qno.7:- Explain the two way selection (if, if-else, nested if-else) in C language with syntax.

OR

Defined Data types in C. Discuss primitive data types in terms of memory occupied, format specifier and range.

BCA-1ˢᵗ Semester

Roll No.:- 1322093

Paper Code:- BCA-102

Max. Time: - 1.30 Hrs

Sub: - Computer Fundamentals & MS Office

Max. Marks:-30

Note: *All questions are compulsory.*

Section –A (each question carries 1 mark)

Qno.1:-

i) A DVD allows upto _____ storage.

ii) Write the full form of COMPUTER.

iii) Name any two special purpose keys present in the keyboard.

iv) A computer is reliable. How?

v) Vacuum tubes were replaced by ____ in second generation Computers.

vi) _____ is a single user computer that is designed for technical or scientific applications.

Section-B (each question carries 2 marks)

Qno.2:-Write down the steps to print a page.

Qno.3:-. Write any two applications of Mainframe Computers.

Section-C (each question carries 4 marks)

Qno.4:-Discuss about Floppy Disk Drives, CD /DVD-ROM Drives Flash Drives, Hard Disk Drives.

OR

What is the difference between Impact & Non impact Printer?

Qno.5:-Differentiate between the characteristics of primary and secondary storage of a computer system.

OR

What are the two main components of CPU of a computer system? List the main functions of each component

Section-D (each question carries 6 marks)

Qno.6:-Explain the following in detail.

i. OMR

ii. Card Reader

iii. Digitizer

OR

Draw a block diagram to illustrate basic organization of a computer system and explain the functions of various units.

Qno.7:- Explain the types of RAM and ROM in detail.

OR

Explain the five generations of Computer in detail.

Note:- *All questions are compulsory.*

Section –A (each question carries 1 mark)

Qno.1:- i) Define noun. Give example.
ii) Define pronoun. Give example.
iii) Define Adjective. Give example
iv) Define Conjunction. Give example
v) Define Preposition. Give example.
vi) Define Adverb. Give example.

Section-B (each question carries 2 marks)

Qno.2:- Write a note on verb and its importance in a sentence

Qno.3:- Write a note on Interjection and use some interjections in sentences.

Section-C (each question carries 4 marks)

Qno.4:- Make sentences to point out differences in meaning in the following words:

(a) Admit (b) Confess (c) Air (d) Heir

OR

Use following idioms in sentences:
(a) Above board   (b) Mend your ways
© Caught red handed   (d) Add fuel to the fire

Qno.5:- Give one word for the following:
(a) One who believes in God   (b) One who does not believe in God
© One who cannot read and write   (d) One who knows everything

OR

Use following phrases in sentences:
(a) Back out   (b) Act upon (c) break down (d) check out

Section-D (each question carries 6 marks)

Qno.6:- Write a note on homophones. Give examples and use them in sentences.

OR

Write a paragraph on anyone of the following in about 100 words:
(a) Honesty is the best policy
(b) Value of education
© All that glitters is not gold

Qno.7:- Write a note on homonyms. Give examples and use them in sentences.

OR

Write a note on the importance of grammar in English language.

BCA-1ˢᵗ Semester

Class/Sem : BCA(Section –A,B,C,D,E,F)/Ist
Max. Time:- 1.30 Hrs
Max. Marks:-30

Note: All questions are compulsory.

Section –A (Each question carries 1 mark)

Qno.1:-i) Name the Universal gates. Why they are called so?
ii)Binary code of Gray code 011010 is ....
iii) Give examples of alphanumeric codes.
iv) Draw the truth table of full subtractor.
v) Discuss what is Excess-3 code.
vi) Verify by truth table method: $AB + \bar{A}C + BC = AB + \bar{A}C$

Section–B (Each question carries 2 marks)

Qno.2:- What is Positive and Negative Logic system.

Qno.3:-Solve using law of Boolean Algebra.
$(A + B)(A + B + D)\bar{D}$

Section–C (Each question carries 4 marks)

Qno.4:-What is a full adder. Explain with the help of diagram and truth table.

OR

Represent the decimal no. 396 in binary form in
a) Binary Code(Straight Binary)
b) Excess-3 Code

b) BCD Code
c) Gray Code

Qno.5:-State and Prove Demorgan's Theorem.

OR

Expand $\overline{AB + A\bar{C} + BC}$ to minterms and maxterms.

Section–D (Each question carries 6 marks)

Qno.6:-Explain the logic symbol, expression and truth table of NOR, EX-OR and EX-NOR gate.

OR

Simplify using K-Map
$Y = \Pi M(1,5,6,7,8,12) \cdot d(6,2,5)$

Qno.7:-Design all basic gates with the help of any universal gate.

OR

Convert:

a) $(1.80)_{10}(1011)_2 = ($ $)_{10}$
b) $(10011110)_2 = ($ $)_8$
c) $(3A.2F)_{16} = ($ $)_2$
d) $(347)_{10} = $
e) Subtract 8 from 9 (using 2's complement representation)

Roll No.: _____ __

Max. Time: 1.5 Hrs

Max. Marks: 30

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