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B. C. A F.Y. (Semester-I)

Examination December-2023

Computer programming & programming methodology

Seat No:

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[Time: Three hours]

[Max. Marks: 70]

Instructions:

1. All questions are compulsory.
2. Figure to the right indicate full marks.
3. Mention your options clearly.

Student's Signature

. Q.1 Answer following questions (Any 10)

10

1. Output of the compiler is represented as
(A) Program (B) Object Code (C) Source Code (D) Algorithm
2. Which one is not a type of assignment operator?
(A) += (B) == (C) *= (D) /=
3. Which function is used to copy string?
(A) strcpy() (B) strncpy() (C) strcat() (D) strjoin()
4. Which type of operators are used to combine Multiple conditions?
(A) Relational (B) Logical (C) Bitwise (D) Arithmetic
5. Which loop is executed at least once even if the condition is false?
(A) For (B) while (C) do-while (D) None
6. What is the value of p at last, when the program will run?
for(p=0; p<5;p++){
(A) 5 (B) 4 (C) 0 (D) 1
7. In single dimensional array of size 20, what is the index of last element?
(A) 20 (B) 19 (C) 0 (D) None
8. & is known as ----- operator
(A) Relational (B) Arithmetic (C) Logical (D) Address
9. The output of $3+5*2$ is
(A) 8 (B) 13 (C) 16 (D) 11

10. One if condition is written within another if condition is known as
(A) Nested IF (B) Simple IF (C) IF-ELSE (D) None of above

11. What is the use of "\n"?
(A) Tab (B) Null (C) New line (D) None of above

12. To skip remaining statements and go to next iteration in a loop, we use
(A) break (B) goto (C) continue (D) return

Q.2 Answer following questions (Any three) **18**

1. Define Algorithm and Flowchart. Also explain different symbols of flowchart.
2. What is variable and constant? Also explain datatypes available in C.
3. Explain relational operators and assignment operators.
4. Explain switch case with example.

Q.3 Answer following questions (Any three) **18**

1. Explain different sections for writing a C program.
2. Explain input statements in detail.
3. Explain math functions with example.
4. Write a note on One dimensional array with example.

Q.4 Answer following questions (Any three) **18**

1. Write a note on "Pointer".
2. Explain Linear search.
3. Write a note on Sorting array in ascending order.
4. Give difference of following:
 - a) Compiler & Interpreter
 - b) Array & Pointer

Q.5 Do as directed. (Any one) **06**

1. Write a program to calculate sum of digits of given number.
2. Write a program to display whether given number is prime or not.

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B. C. A. F.Y. (Semester –I)
Examination December-2023

AEC-101-Communication Skills in English

Seat No:

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Student's Signature

[Time: Two hours]

[Max. marks: 25]

- Q.1** Answer the following. (Any Four) **08**
- 1) What is Inter-personal communication?
 - 2) Define the term "Communication".
 - 3) How can we reduce barriers of listening?
 - 4) What are the basic components of non-verbal communication?
 - 5) What are the differences between efficient and inefficient readers?
- Q.2** Meera Industry, GIDC, Sachin requires a data entry operator for their firm. Draft a resume for the respective post. **05**
- OR**
- Charusat University, Changa requires Assistant Professor in subject of IT. Draft a resume.
- Q.3** Draft a conversation between customer and bank officer about opening a new saving account. **04**
- OR**
- Kahini and Siya are discussing about how to protect from online scams.
- Q.4** Krina writes an Email to the manager of Gujarat Gas Ltd. for new domestic connection of gas pipelines. **04**
- OR**
- Priya writes an Email to the Municipal Commissioner for problems caused by stray animals.
- Q.5** Make a précis of the following passage and suggest a suitable title. **04**
- The 21st century is ruled by data. Data Science has become an indispensable part of many businesses and industries. It provides valuable insights into customer behavior that can lead to increased conversions, more detailed market analysis for competitive advantage in pricing strategies or product development, improved operational efficiency and minimized risk exposure through accurate forecasting models. The emergence of disruptive technologies like IoT, digital media platforms, smartphones, artificial intelligence, big data analytics, blockchain and quantum computing has ushered in an era where Data Science will be central to organizational success. As organizations are turning toward Machine Learning, Big data and Artificial Intelligence, the demand for data science roles is seeing a sustained and accelerating upward surge. Therefore, transitioning to data science is a smart move as it fetches far higher comparative returns.

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Examination December - 2023

Bachelor of Computer Application (NCF-NEP) (First Semester)

VAC - I : IKS - Bharatiya Knowledge Systems

An Introduction - Level 6

[Time: Two Hours]

[Max. Marks: 25]

Instructions:

1. નીચે દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the following details on your answer book

- Name of the examination : B.C.A. (Sem. I)
 - Name of the Subject : VAC - I : IKS - Bharatiya Knowledge Systems - An Introduction - Level 6
 - Subject Code No : 2301001201060001
- Sketch neat and labelled diagram wherever necessary
 - Figures to the right indicate full marks of the question.
 - All questions are compulsory.

Seat No:

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Student's Signature

પ્ર.૧. 7 - MCQ (દરેકનો ૧ માર્કસ)

(07)

Q.1. 7 - MCQ (1 Mark each)

1. કયા વિદેશી આક્રમણકારે નાલંદા જ્ઞાન સંગ્રહની લાઈબ્રેરી બાળી નાંખી હતી

Which foreign invader burnt the library of Nalanda knowledge collection

(A) ઔરંગઝેબે

(B) બખ્તિયાર બીલજીએ

Aurangzeb

Bakhtiyar Khilji

(C) મહમુદ ગઝનીએ

(D) ઉપર પૈકી કોઈપણ નહિ

Mahmud Ghazni

None of the above

2. કયા ઉપનિષદનાં એક શ્લોકમાં ભારતીય જ્ઞાન પરંપરાના સ્વરૂપ, ઉદ્ભવ અને

સામર્થ્ય નું વર્ણન જોવા મળે છે?

A verse of which Upanishad describes the nature, origin and power of the Indian tradition of knowledge?

(A) ઈશાવાસ્યોપનિષદ

(B) કેનોપનિષદ

Ishavasyopanishad

Kenopanishad

(C) છાંદોગ્યોપનિષદ

(D) કઠોપનિષદ

Chandogyopanishad

Kathopanishad

ભારતીય જ્ઞાનપરંપરા મુજબ વિશ્વનું પ્રથમ શહેર કયું છે?

According to the Indian knowledge tradition, which is the world's first city?

- | | |
|------------|-----------|
| (A) દિલ્હી | (B) મુંબઈ |
| Delhi | Mumbai |
| (C) કાશી | (D) મથુરા |
| Kashi | Mathura |

4. નાલંદા વિદ્યાપીઠ કયા રાજ્યમાં આવેલી છે?

Nalanda Vidyapith is located in which state?

- | | |
|------------|----------------|
| (A) ગુજરાત | (B) મહારાષ્ટ્ર |
| Gujarat | Maharashtra |
| (C) પંજાબ | (D) બિહાર |
| Punjab | Bihar |

5. વિશ્વમાં યુદ્ધની અંદર રોકેટનો સૌ પ્રથમ ઉપયોગ કોણે કર્યો હતો?

Who first used rockets in warfare in the world?

- | | |
|-------------------|------------------------|
| (A) ચીનની સેનાએ | (B) રશિયાની સેનાએ |
| The Chinese army | Russian army |
| (C) અમેરિકન સેનાએ | (D) ટીપુસુલતાનની સેનાએ |
| American army | Tipusultan's army |

6. 'નાટ્યશાસ્ત્ર' નામના ગ્રંથની રચના કોણે કરી છે?

Who is the author of the book 'Natyashastra'?

- | | |
|---------------|------------------|
| (A) નારદમુનિએ | (B) ભરતમુનિએ |
| Narada Muni | Bharata Muni |
| (C) કપિલમુનિએ | (D) વિષ્ણુશર્માએ |
| Kapila Muni | Vishnu Sharma |

7. ઇચ્છાનુસાર ઉડનાર પુષ્પક વિમાનનો ઉલ્લેખ કયા ભારતીય ગ્રંથમાં જોવા મળે છે?

Which Indian text mentions the PushpakaVimana that flies at will?

- | | |
|--------------------------|--------------------|
| (A) રામાયણમાં | (B) મહાભારતમાં |
| In the Ramayana | In the Mahabharata |
| (C) શ્રીમદ્ ભગવદ્ગીતામાં | (D) મનુસ્મૃતિમાં |
| In Shrimad Bhagavad Gita | In Manusmriti |

Q.2. Answer in Detail (Any 1 out of 2)

1. ગૌરવશાળી ભારતનું ગૌરવ શેમા છે? સમજાવો.
What is the pride of glorious India? Explain
2. પાપ, પુણ્ય અને મોક્ષની વિભાવનાઓ સમજાવો.
Explain the concepts of sin, virtue and salvation.

પ્ર.૩. સવિસ્તાર પ્રશ્ન (૨ માંથી કોઈ પણ ૧)

(06)

Q.3. Answer in Detail (Any 1 out of 2)

1. મોક્ષ પુરુષાર્થ વિશે સમજૂતી આપો.
Explain about Moksha Purushartha.
2. ભારતીય જ્ઞાન પરંપરામાં ખગોળશાસ્ત્ર.
Astronomy in the Indian Knowledge Tradition.

પ્ર.૪. ટૂંકનોંધ લખો (૪ માંથી કોઈ પણ ૨)

(06)

Q.4. Write a short note (any 2 out of 4)

1. કર્મનો સિદ્ધાંત.
Theory of Karma.
2. ભારતમાં જ્ઞાનની ઉજ્જવળ પરંપરા.
A bright tradition of knowledge in India.
3. ભારતીય જ્ઞાન પરંપરાની વિસ્મૃતિનું પરિણામ.
A result of the loss of the Indian knowledge tradition.
4. ભારતીય શિક્ષણ પદ્ધતિ.
Indian Education System.

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B.C.A. (NEP) F.Y. (Semester – I)

Examination December-2023

Major-105-Data Processing And Analysis (DPA)

Seat No:

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Student's Signature

[Time: Two Hours]

[Max. Marks: 50]

Q.1 Choose appropriate correct option. (Any ten)

10

- How are column in worksheet labeled?
A. Number B. Alphabets
C. Mix D. None of Above
- The cell that is currently is in use is called?
A. Highlighted Cell B. Main Cell
C. Active Cell D. Formula cell
- What is IF, AND, OR, TRUE in worksheet called?
A. Logical Formula B. Arithmetic Formula
C. Relational Formula D. None of Above
- Long text can be broken into many lines within a cell. You can do this through:
A. Wrap Text B. Text Combine
C. Text broken D. All of Above
- Which of the following option used to copy the file with another name?
A. Save B. Save As
C. Open D. New
- Which function is used to display current date with current time?
A. =now() B. =today()
C. =datediff() D. day()
- Full form of .CSV
A. Count Sum Value B. Comma Separated Value
C. Count Separated Value D. None
- How we can protect the worksheet?
A. By giving File Name B. By Giving Secret Code
C. By Giving Password D. None of Above

9. In worksheet a formula should always start with _____ sign.
A. = B. +
C. x D. -
10. To display the same text appear on bottom side of all pages, which option is used?
A. Merge B. Header
C. Footer D. None of Above
11. Which cell address is used to make the cell address fixed.
A. Relative Reference B. Absolute Reference
C. Mixed Reference D. None of Above
12. Which option is used to lock header rows & columns in a worksheet?
A. Quick Print B. Page Preview
C. Format Painter D. Freeze Panes

Q.2 Answer the following: (Any 2)

14

- Explain various types of DBMS Architecture.
- Explain various types of Keys in detail.
- Explain the concept of Normalization. What are 1NF, 2NF & 3NF?
- What are Strong and Weak Entity? Explain strong entity set and weak entity set with appropriate examples.

Q.3 Answer the following: (Any 2)

14

- Write a note on DDL, DML and DQL commands.
- What is an attribute? Explain various types of attributes with proper examples.
- What is constraints? Explain the different types of constraints with example.
- Draw E-R diagram for "College Management System".

Q.4 Write an expression in SQL for the given table query. (Any Six)

12

Employee (Emp_No, Emp_Name, Gender, Designation, Salary, Dept_no)

- Create given table with appropriate constraints.
- Write a query to display all employees whose name starts with letter 'M'.
- Write a query to list the details of all employees who is/are "Manager".
- Write a query to count total numbers of all employees of "Sales" department.
- Write a query to find the minimum, maximum and average salary of employees.
- Display total employees of 'Baroda' city.
- Add column 'Email_ID' in the table.
- Change the table name with new name "Staff".

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B. C. A. F.Y. (Sem – I)

Examination December - 2023

Major-104-Computer Programming & Programming Methodology(CPPM)

Seat No:

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[Time: Two hours]

[Max. marks: 50]

Instructions

- Answer all the questions.
- Figures in the right indicates full marks
- Illustrate your answer with necessary example, if required.

Student's Signature

Q.1 Answer Following:

10

1. The ____ symbol is used to represent process in flowchart.
 - a. Circle
 - b. Rectangle
 - c. Diamond
 - d. None of these
2. The extension of object code is
 - a. .c
 - b. .exe
 - c. .obj
 - d. .cpp
3. What is the correct syntax for while loop?
 - a. While(condition) { Statements ; }
 - b. While { Statements; }
 - c. While(initialization; condition; increment/decrement) { Statements ; }
 - d. While { Statements ; }(condition)
4. What is loop within loop known as?
 - a. Inner Loop
 - b. Outer Loop
 - c. Nested Loop
 - d. For loop

5. _____ keyword is used to come out of a loop only for that iteration.
- Break
 - Continue
 - Return
 - None
6. _____ function concatenate 2 strings.
- Strcpy
 - Strcat
 - Strlen
 - Strcmp
7. _____ is the correct way to define a pointer.
- Int _ptr x;
 - Int *ptr;
 - *int ptr;
 - *x;
8. Collection of instruction written in common language is called _____
- Program
 - Algorithm
 - Flowchart
 - Software
9. How much byte occupied by the float type of variable?
- 2 bytes
 - 4 bytes
 - 10 bytes
 - 8 bytes
10. The code which is generated by compiler is
- Source code
 - Object code
 - Exe file
 - None of these

Q.2 Do as Directed:- (Any Two)

14

- (A) What is flow chart? Explain it in detail. Also explain benefits and limitation of drawing flowchart.
- (B) Importance of 'C' Language.
- (C) Explain Basic Structure of 'C' Programming.
- (D) Explain any five String Functions.

Q.3 Do as Directed. : (Any Two)

14

- (A) What is Two-Dimensional Array? Explain with Example.
- (B) What is entry control loop and exit control loop? Explain it with an example.
- (C) What is switch case statement? Explain it with an example.
- (D) Explain logical and conditional operator with example.

Q.4 Do as Directed. : (Any Three)

12

- (A) Explain Selection Sort.
- (B) What is Nested Loop? Explain it with an example
- (C) Explain One dimensional Array.
- (D) What is Data Type? Explain data type in C Programming Language.
- (E) Write a short note on Pointer

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B.C.A. (NEP) (Sem – I)

Examination December - 2023

Minor-103-Introduction To Computers

Seat No:

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[Time: Two hours]

[Max. marks: 50]

Student's Signature

Q.1 Choose the correct option.

(10)

1) Which of the following refers to the memory in computer?

- A. VGA
- B. CPU
- C. RAM
- D. All of these

2) RAM is _____ and _____.

- A. volatile, temporary
- B. non-volatile, temporary
- C. volatile, permanent
- D. non-volatile, permanent

3) SRAM stands for _____

- A. Static Random Access Memory
- B. Static Read Access Memory
- C. Stable Random Access Memory
- D. Static Random Arithmetic Memory

4) Which of the following is a Permanent Memory in the computer?

- A. RAM
- B. CPU
- C. ROM
- D. Cache

5) Which part of CPU performs mathematical operations?

- A. CU
- B. Registers
- C. ALU
- D. RAM

- 6) Which of the following is not an octal number?
A. 435
B. 706
C. 8CD
D. 126
- 7) The internet is _____
A. An internal communication system.
B. A communication system for the Indian Government.
C. A large network of networks
D. All of these
- 8) From the following which one is not Web Browser?
A. Window XP
B. Google Chrome
C. Mozilla Firefox
D. Internet Explorer
- 9) From the following, which one is not hardware?
A. Router
B. Microsoft PowerPoint
C. Bluetooth
D. Modem
- 10) Where RFID tags are used?
A. Mining
B. Asset tracking
C. Vehicle tracking
D. All of the above

Q.2 Answer the following: (Any Two) (14)

- 1) Explain different types of Memory in Computer System.
- 2) Explain Online Data backup in Detail.
- 3) Explain various types of Computers.
- 4) What is RFID? Explain working of FAST Tag.

Q.3 Do as Directed (Any Two) (14)

1. Write short note on
 - a) OCR Vs OMR.
 - b) CPU Vs GPU
2. Write short note on
 - a) WiFi and Hotspot
 - b) Virtual Memory Vs Cache Memory.
3. Explain Motherboard in Details.
4. Explain about different types of Monitors.

Q.4 Answer the following (Any Four)

(12)

- 1) Add binary numbers $(10100101)_2$ and $(1101011)_2$
- 2) $(101111.101)_2 = (?)_{10}$
- 3) $(514)_{10} = (?)_2$
- 4) $(101011011)_2 = (?)_{10}$
- 5) $(2734)_{10} = (?)_2$
- 6) Subtract: $(10011)_2$ from $(110011)_2$

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F.Y. B.C.A (NEP) (Semester – I)

Examination December-2023

MDC-102-Mathematics

Seat No:

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[Time: Two hours]

[Max. Marks: 50]

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate marks of the corresponding question.

Student's Signature

Q.1 Answer the following (Any ten)

10

- 1) For any set A, $A \cap A' =$ -----
- 2) If $A = \begin{bmatrix} 4 & 7 \\ -12 & -21 \end{bmatrix}$ then $\det(A) =$ -----
- 3) If $f(x) = x^3$ then what is value of $f(-2) - f(-3)$
- 4) If $f: N \rightarrow Z, f(x) = 4x$ is a function then Co-domain of f is -----
- 5) If truth value of a statement p is F then the truth value of $(\sim(\sim p))$ is -----
- 6) By De-Morgan's law: $\sim(p \vee q) =$ -----
- 7) State associative property for '+' in Boolean Algebra.
- 8) For two sets A and B, $(A \cup B)' =$ -----
- 9) If A is symmetric matrix then $A^T =$ -----
- 10) If $U = \{1, 2, 3, \dots, 8\}$ and $A = \{1, 2, 3, \dots, 7\}$ then $A' =$ -----
- 11) Define cost function.
- 12) If $A = \{1, 2, 3, 4, 5\}$ then $n(A) =$ -----

Q.2 Answer the following (Any Two)

10

- 1) In a college there are 500 students and from them 300 have taken Statistics and 150 have taken Mathematics. If all the students have taken at least one of these two subjects, then find the number of students who have taken both the subjects.
- 2) In usual notation prove that $A \times (B \cup C) = (A \times B) \cup (A \times C)$.
- 3) If $A = \{x/x^2 - 17x + 16 = 0\}$, $B = \{y/y^2 - 7y + 12 = 0\}$ and $C = \{1, 2, 3, 4\}$ then prove the following:
 - i) $A - (B \cap C) = (A - B) \cup (A - C)$
 - ii) $(A \cup B) - (A \cap B)$.

Q.3 Answer the following (Any Two)

10

1) The fixed cost of a factory producing a particular type of pens is Rs. 7500 and the variable cost per pen is Rs. 150. If the selling price per pen is Rs. 300, find the number of pens to be produced for no profit-no loss.

2) If $f(x) = \frac{x^2+4x}{x+6}$ then find $\frac{f(0)+f(2)}{f(2)+f(3)}$.

3) If $f(x) = \frac{1}{x+1}$ then find the value of $f(-x) - f(x)$.

Q.4 Answer the following (Any Two)

10

1) Using truth table prove the Distributive law for conjunction over disjunction.

2) Check whether D_{10} is a Boolean Algebra or not; $\forall a, b \in D_{10}$

$a + b = \text{L.C.M. of } a, b$

$a \cdot b = \text{G.C.D. of } a, b \text{ and } a' = \frac{10}{a}$

3) Check the validity of the logical arguments

Hypothesis: $S_1: p \wedge (\sim q) \Rightarrow r, S_2: p \vee q, S_3: q \Rightarrow p$

Conclusion: $S:r$

Q.5. Answer the following. (Any Two)

10

1) If $\begin{bmatrix} 4 & 10 \\ 3 & 9 \end{bmatrix} X = \begin{bmatrix} 2 & -3 \\ 1 & 2 \end{bmatrix}$ then find X.

2) Solve the following equations using Cramer's rule: $\frac{1}{x} - \frac{2}{y} = 6; \frac{3}{x} + \frac{5}{y} = 7$.

3) If $A = \begin{bmatrix} 1 & 2 & 3 \\ 0 & -2 & 1 \\ 2 & 3 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & -1 & 4 \\ 1 & -3 & 2 \\ -1 & 3 & 2 \end{bmatrix}$ then show that $(AB)^T = B^T A^T$.

Seat No. _____

UDHNA COLLEGE
VNSGU EXTERNAL PRACTICAL EXAMINATION
F.Y.B.C.A. (Semester: 1)
Subject: 106-SEC-Search Engine Optimization Practical

Date: 12-12-2023
Total Marks: 25

Time: 1 Hour

Q-1. Create property buy & rent webpage for the Online property selling and renting system in SEO with proper meta tags and keywords

[20]

Q-2 Viva

[05]

UDHNA COLLEGE**SEO_VNSGU_EXTERNAL Question paper****Question Set 1****Time: 11/Dec/2023 08:30 AM To 09:00 AM****Type: 2-Credit Course University Test****Subject: Search Engine Optimization****Class Group: FY BCA ODD SEM****(1) WHAT is a DOMAIN?**

Options (1) location of a website (2) location of a computer (3) location of a hardware (4) location of a software

(2) What is full form of SERP?

Options (1) Search Engine Results Page (2) Search Engine Restore Page (3) Search Engine Remaining Page (4) Search Engine Return Page

(3) White Hat SEO includes _____

Options (1) Good content (2) Ease of Navigation (3) Quality Inbound Links (4) All of the Mentioned

(4) Which of the following is most important in SEO?

Options (1) Sentences (2) Images (3) Keywords (4) None of the Mentioned

(5) Which factor is NOT part of a SWOT analysis?

Options (1) Strengths (2) Weaknesses (3) Opportunities (4) Sales revenue

(6) What is the purpose of search engine algorithms?

Options (1) To create engaging blog content (2) To analyze competitor backlinks (3) To rank webpages in search results (4) To improve website design

(7) What is content optimization in SEO primarily concerned with?

Options (1) Using the best keywords (2) Quality of content (3) Title tags and meta descriptions (4) All of the Mentioned

(8) What is the role of the URL in SEO optimization?

Options (1) To display images on the webpage (2) To act as a gateway to other pages (3) To enhance social media engagement (4) To describe the layout of the webpage

(9) What is the primary purpose of a search engine's crawler?

Options (1) To analyze website design (2) To create a multi-variable URL string (3) To download web pages for indexing (4) To display advertisements

(10) What is/are step(s) of search engine functioning?

Options (1) Crawling (2) Indexing (3) Ranking (4) All of the Mentioned

(11) Which of the following is not search engine?

Options (1) Google (2) Yahoo (3) Bing (4) AskYou

(12) Which part of a webpage is given higher priority in terms of on-page optimization?

Options (1) The bottom of the page (2) The middle of the page (3) The top of the page (4) The sidebar

(13) Using lots of keywords is known as _____

Options (1) Keyword Dumping (2) Keyword Stuffing (3) Keyword Bunching (4) Keyword Trafficking

(14) What is the primary purpose of conducting market research in the context of SEO?

Options (1) To analyze website traffic patterns (2) To identify competitor weaknesses (3) To understand the target audience and industry trends (4) To optimize website content for better user experience

(15) Types of SEO are:

Options (1) White Hat SEO (2) White and Black Hat SEO (3) Black Hat SEO (4) None of the Mentioned

(16) Which of the given option refers to the SEO techniques which are not in accordance with the SEO guidelines set by the search engine?

Options (1) White Hat SEO (2) White and Black Hat SEO (3) Black Hat SEO (4) None of the Mentioned

(17) What is full form of ICANN?

Options (1) International Corporation for Assigned Names and Numbers (2) Internet Company for Assigned Naming and Numbers (3) Internet Corporation for Assigned Names and Numbers (4) Information Corporation for Automatic Names and Numbers

(18) What is the significance of keyword research and analysis in SEO?

UDHNA COLLEGE**SEO_VNSGU_EXTERNAL Question paper****Question Set 1****Time: 11/Dec/2023 08:30 AM To 09:00 AM****Type: 2-Credit Course University Test****Class Group: FY BCA ODD SEM**

Options (1) It helps identify competitors' weaknesses. (2) It improves website design and user experience. (3) It allows you to create relevant content and improve search rankings. (4) It helps in analyzing the backlink portfolio of competitors.

(19) What does SWOT stand for in the context of website analysis?

Options (1) Search, Website, Optimization, Tools (2) Strengths, Weaknesses, Opportunities, Threats (3) Site, Webpage, Optimization, Trends (4) Search, Web, Online, Traffic

(20) _____ is consider as connecting people where as _____ is considered as connecting computers.

Options (1) www, internet (2) wfs,www (3) internet,intranet (4) None of the mentioned

(21) Apart from URL, _____ is required to see the content on a portal.

Options (1) personal login (2) adhar card detail (3) personal data (4) None of the mentioned

(22) What does search engine caching refer to?

Options (1) Storing data for quick retrieval on webpages (2) Collecting information about competitors' websites (3) Making web pages load faster (4) Providing search results to users

(23) _____ have their own algorithm or rules to decide the order of pages to show for a search query.

Options (1) Search Train (2) Web Engine (3) File server (4) Search Engines

(24) Why is using relevant keywords important for SEO?

Options (1) It makes the website look more appealing. (2) It increases social media engagement. (3) It improves website design. (4) It attracts targeted traffic.

(25) Which of the following is/are white hat techniqe(s)?

Options (1) Good content (2) Ease of Navigation (3) Quality Inbound Links (4) All of the Mentioned

(26) The text which search engines can view but readers can't is known as _____.

Options (1) Hidden Text (2) Hyper text (3) Plain text (4) None of the mentioned

(27) A _____ is a website or collection of websites intended to increase the link popularity of a site by increasing the number of incoming links

Options (1) Link pool (2) Link set (3) link farm (4) None of the mentioned

(28) The Domain Names System is managed by_____

Options (1) ICANN (2) ICAAM (3) ICCNN (4) ICAAN

(29) A _____ is a program used by Google to make an index.

Options (1) web crawler (2) Web Engine (3) Web page (4) None of the mentioned

(30) Which of the following is/are black hat techniqe(s)?

Options (1) Keyword stuffing (2) Cloaking (3) Hidden pages (4) All of the Mentioned

**UDHNA CITIZEN COMMERCE COLLEGE &
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F.Y.B.C.A. (Semester:1)

Internal **SEC-Practical** Examination: Oct-2023

Subject: Fundamental Digital Skilling-(106)

Time: 1 Hours

Total Marks: 25

Q-1. (A) Explain Online Education ? Also Explain advantage and Disadvantage and do following. **10**

- Apply Formatting.
- Make a Drop Cape on First Character.
- Apply Image.
- Apply Header and Footer.
- Apply Page Border.

Q-1. (B) Create a Presentation Slides on "IRCTC Ticket Booking" that contains following information. **10**

- 1) Apply Formatting
- 2) Insert Image or Logo.
- 3) Apply timer 5 Seconds for each slides.
- 4) Apply Header Footer.
- 5) Apply Animation and Transaction effect.
- 6) Last Slide using Word Art on "Thank You".

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Subject: Fundamental Digital Skilling-(106)

Time: 1 Hours

Total Marks: 25

Q-1. (A) Create table as below and heading the first row. Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years. **10**

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

- 1) Apply Formatting.
- 2) Insert page number , align center and Arial font.
- 3) Insert watermark "Time Table".
- 4) Table font "Times new roman" and 13 size.

Q-1. (B) Create a presentation on "Global Technology". Prepare at-least 5 slides, **10**

- 1) Create at least 5 Slides.
- 2) Apply Formatting
- 3) Insert Image or Logo.
- 4) Apply timer 5 Seconds for each slides.
- 5) Apply Header Footer.
- 6) Apply Animation and Transaction effect.

UDHNA COLLEGE

OA_VNSGU_EXTERNAL Practical Question paper

Class Group: FY BCA ODD SEM

Type: External Exam

Marks: 25

Time: 12/Dec/2023

Q1 Prepare an Excel Sheet for Students details.

2

Columns should include Student name, roll-number, date-of-admission, Course, fees, class, and Percentage.

1. Sort the data according to Student names in descending order

2

2. Auto-generate the Roll no.

2

3. Filter the records with Percentage greater than 80.

2

4. If the Percentage is higher than 70 then display the class as Distinction.

2

5. Find the Students with maximum Percentage [above 90%].

2

6. Display the date in yyyy-dd-mm format in Date of Admission

2

7. Display Student with Percentage less than 35% with RED colour.

2

8. Name the sheet as "stud" and change the colour to "RED"

2

9. Save the file with "STUDENT" and provide encryption

2

Q2 Viva

5