

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

EXAMINATION MARCH-APRIL - 2026

BCA (NEP) (SECOND SEMESTER)
VAC-VALUE EDUCATION IN BHARATIYA KNOWLEDGE SYSEM

[Max. Marks: 25]

Instructions:

1. નીચે દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી: The details mentioned below must be written on the answer sheet:

a. Name of the examination: **BCA** (NEP) (SEM. II)

b. Name of the Subject: VAC- VALUE EDUCATION IN BHARATIYA KNOWLEDGE SYSEM

c. Subject Code No: _____

2. Figures to the right indicate full marks of the question.

3. All questions are compulsory.

Q. 1: MCQ (2 Marks each) (Any 5 out of 7)

(10)

1) ગળીથી રંગાયેલી શિયાળને બીજી પ્રજાતિઓએ શું માન્યું?

a) દેવદૂત

b) બ્રહ્માદેવે મોકલેલો રાજા

c) સાધારણ પ્રાણી

d) શિયાળ

2) ત્રણેય ધુતારાઓનું મુખ્ય લક્ષ્ય શું હતું?

a) બ્રાહ્મણને મારવું

b) ધર્મચર્યા કરવી

c) બકરાને બાંધવું

d) બકરાનું ભક્ષણ કરવું

3) "ઉપનીષદની કથા: સત્યકામ જાબાલ" માં સત્યકામે 'મને ગોત્ર ખબર નથી' એવું કહ્યું એ કયા ગુણનું પ્રતિક છે?

a) અજ્ઞાન

b) અહંકાર

c) નિર્ભય સત્યવાદિતા

d) શંકા

4) "ઉપનીષદની કથા : સત્યકામ જાબાલ"માં ગૌતમ ઋષિએ સત્યકામને જન્મ નહીં પરંતુ ગુણોના આધાર પર સ્વીકાર્યો — આ શું દર્શાવે છે?

- ગુણ આધારિત સ્વીકાર
- વંશ પ્રધાનતા
- સામાજિક ભેદભાવ
- પરંપરાનું દબાણ

5) પિતા આરુણિએ શેતકેતુને કઈ વસ્તુના દ્રષ્ટાંતથી 'તત્વ' સમજાવ્યું?

- પાણી
- માટી
- સોનું
- લોખંડ

6) "નાનો પ્રિન્સ - નો કાપર" વાર્તામાં છોકરાને તાજ રાજકુમાર બનાવવાનો અર્થ શું છે?

- રાજાની ખુશી
- દબાણ
- પરંપરા
- સત્યની માન્યતા

7) શાહી ધોડે ઓછા શ્વાસ કેમ લઈ રહ્યો હતો?

- થાકને કારણે
- બીમારીને કારણે
- ડરથી
- દુર્ગંધથી બચવા

Q. 2: [A] પંચતંત્રની વાર્તા- 'ગળીથી રંગાયેલો શિયાળ' નો ઉપદેશ: 'અસત્ય અને દેખાવ પર આધારિત સત્તા લાંબા સમય સુધી ટકી શકતી નથી' — આ નિવેદનને સમગ્ર વાર્તાના સંદર્ભમાં સમજાવો. (05)

OR

[A] "ઉપનીષદની કથા: શેતકેતુ" માં પિતા આરુણિએ માટી અને માટીના વાસણોના ઉદાહરણથી શું સમજાવ્યું? સરળ ભાષામાં સમજાવો. (05)

Q. 2: [B] પાંચ થમ માનવજીવનના દૈનિક વ્યવહાર, સામાજિક સંબંધો અને આધ્યાત્મિક વિકાસ માટે કેવી રીતે આધારરૂપ બને છે? વિશ્લેષણાત્મક રીતે સમજાવો. (05)

OR

[B] નિયમ 'સંતોષ' નો અર્થ શું છે? જીવનમાં સંતોષ રાખવાથી માનસિક શાંતિ કેવી રીતે મળે છે તે સમજાવો. (05)

Q. 2: [C] નીચેનામાંથી કોઈપણ બે સુભાષિતોનું ભાષાંતર કરી સમજૂતી આપો. (05)

- નમન્તિ ફલિનો વૃક્ષાઃ નમન્તિ ગુણિનો જનાઃ।
શુષ્કકાષ્ઠાશ્ચ મૂર્છાશ્ચ ન નમન્તિ કદાચન ॥
- અપિ સ્વર્ણમયી લંકા ન મે રોચતિ ભરુમણ ।
જનનીઃ જન્મમૃતિશ્ચ સ્વર્ગદમિ ગરીયસી ॥
- સત્યં બ્રૂયાત્ પ્રિયં બ્રૂયાત્, ન બ્રૂયાત્ સત્યમ્ અપ્રિયમ્ ।
પ્રિયં ચ નાનૃતમ્ બ્રૂયાત્, एष धर्मः सनातनः ॥

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ENGLISH VERSION

Q. 1: MCQ (2 Marks each) (Any 5 out of 7)

(10)

1) What did other species consider the fox painted with indigo?

- An angel
- A king sent by Brahma
- An ordinary animal
- A fox

2) What was the main goal of the three thieves?

- To kill the Brahmin
- To discuss religion
- To tie the goat
- To eat the goat

3) In "Upanishad story: Satyakam Jabal", Satyakam's saying 'I do not know the clan (Gotra)' is a symbol of which quality?

- Ignorance
- Ego
- Fearless truthfulness
- Doubt

4) In "Upanishad story: Satyakam Jabal", Gautam Rishi accepted Satyakam not on the basis of birth but on the basis of qualities — what does this indicate?

- Acceptance based on qualities
- Lineage
- Social discrimination
- Pressure of tradition

5) Father Aruni explained "element" to Shwetaketu with the example of which thing?

- Water
- Soil
- Gold
- Iron

6) In the story "Little Prince – No Father" what is the meaning of making a boy the crown prince?

- King's happiness
- Pressure
- Tradition
- Belief in truth

7) Why was the royal horse breathing less?

- Due to fatigue
- Due to illness
- Due to fear
- To avoid bad smell

Q. 2: [A] The moral of the Panchatantra story 'The Indigo-Painted Fox': 'Power based on lies and appearances cannot last long' — Explain this statement in the context of the entire story. (05)

OR

[A] What did father Arun explain with the example of clay and earthenware in "The Story of the Upanishad: Shwetaketu"? Explain in simple language. (05)

Q. 2: [B] How do the five Yamas form the basis for the daily practices, social relations and spiritual development of human life? Explain analytically. (05)

OR

[B] What is the meaning of the Niyam 'Santosh'? Explain how Santosh in life gives peace of mind. (05)

Q. 2: [C] Translate and explain any two of the following Subhashits. (05)

- नमन्ति फलिनो वृक्षाः नमन्ति गुणिनो जनाः।
शुष्ककाष्ठान् च मूर्खाश्च न नमन्ति कदाचन ॥
- अपि स्वर्णमयी तंका न मे रोचति लक्ष्मण ।
जननीः जन्मभूमिश्च स्वर्गादपि गरीयसी ॥
- सत्यं ब्रूयात् प्रियं ब्रूयात्, न ब्रूयात् सत्यम् अप्रियम् ।
प्रियं च नानृतम् ब्रूयात्, एष धर्मः सनातनः ॥

VEER NARMAD SOUTH GUJARAT UNIVERSITY

Examination March- 2026

FYBCA (NCF-NEP) Semester-II

Organizational Structure & Behaviour (MDC Paper-202-02)

Subject Code: 2411000902040002

Course Code: MDC-202-02 Organizational Structure & Behaviour



[TIME: TWO HOURS]

[MAX. MARKS:50]

Q 1[A]	Solve the following (Any 5)	5
1	What is the Primary purpose of an organization? A) To maximize individual freedom B) To achieve common goals C) To reduce costs D) To create competition	
2	Attitudes are often shaped by: A) Personal experiences B) Interaction with others C) Cultural influences D) All of the above	
3	Which of the following is NOT a function of a BPO call center? A) Voice services B) Nonvoice services C) Technical support D) Real estate management	
4	Which of the following is a benefit of motivation in the workplace? A) Decreased performance B) Increased turnover C) Improved productivity D) Heightened disputes	
5	Which leadership style is characterized by high levels of trust and collaboration? A) Transactional B) Autocratic C) Democratic D) Free rein	
6	Which of the following is NOT typically considered a characteristic of effective leaders? A) Empathy B) Inflexibility C) Integrity D) Vision	
7	Which management skill is particularly important for top level managers? A) Technical skills B) Human skills C) Conceptual skills D) Administrative skills	
Q.1[B]	Give the answer in short (Any Four)	8
1	Define Job Satisfaction. List factors affecting Job Satisfaction	

2	What is management? List out various skills of Manager.	
3	Define Motivation? List types of motivation.	
4	List out various factors responsible in Attitude formation.	
5	Define Call Center. Compare inbound and outbound call centers.	
Q.2	Answer the following	8
A	Explain various roles of manager.	
	OR	
A	Enlist and Explain various characteristics of Leaders	8
B	Define Attitude. Explain various functions of Attitude.	5
Q.3[A]	Attempt any Two	12
1	Explain functions of Management in detail	
2	Explain characteristics of motivation.	
3	Explain Maslow's need hierarchy.	
Q.4[A]	Write Short Note ON. (Any Two)	12
1	BPO	
2	Call Centre Setup	
3	Leadership Styles	

Salaries A/c 15,000
Rent A/c 3,000

Q.4 Short Notes (Any 2)

(12)

- (1) Branches of Accounting
- (2) Types of Account
- (3) Form of ledger

VEER NARMAD SOUTH GUJARAT UNIVERSITY
Examination March- 2026

Bachelor of Computer Applications (NCP-NEP) Second Semester
Subject Code 2411000902040001
MDC-Computerized Financial Accounting



[Time: 2:00 Hours]	[Max. Marks: 50]
Instructions:	Seat No.
1. Fill up strictly the following details on your answer book	
a. Name of Examination: BACHELOR OF COMPUTER APPLICATIONS (NCP-NEP)(SECOND SEMESTER)	
b. Name of the Subject: MDC-COMPUTERIZED FINANCIAL ACCOUNTING	
c. Subject Code No: 2411000902040001	
2. Sketch neat and labelled diagram wherever necessary.	
3. Figures to the right indicate full marks of the question.	
4. All questions are compulsory	
	Student's Signature

Q.1 Answer the question (Any 7)

(14)

- (1) What is Accounting?
- (2) List out any 4-accounting concept.
- (3) What is subsidiary book?
- (4) Explain trial balance with its errors.
- (5) What is double entry system?
- (6) Classify the following Account. (Personal, Real, Nominal)
 - A. Drawings
 - B. Salary Account
 - C. Reliance Share Account
 - D. Land Account
- (7) What is accounting equation?
- (8) What is bad debts?
- (9) What is petty cash books?

Q.2 (A) Pass the Journal entries for the following transaction of Sahil: (12)

2023

April 1 Sahil introduce cash as a capital ₹1,00,000

Gave cheque from his savings account ₹10,00,000

- April 2 Purchased goods of ₹ 1,00,000 against cheque less 10% Trade discount
 April 2 Issued cheque as advanced for machinery.
 April 3 Purchased Goods of ₹2,00,000 less 25% Trade discount and paid immediately availing cash discount of 2%
 April 7 Sold goods to Rakesh against cheque ₹50,000
 April 10 Sold goods to Raman ₹25,000 less 10% trade discount.
 April 14 Received cheque from Raman and allowed 2% cash discount.
 April 16 Cheque received from Raman deposited into bank.
 April 20 Cheque received from Raman was dishonoured, Bank charged bank charges ₹200
 April 25 Paid life insurance premium of Sahil by bank Draft. ₹10,000. Paid bank charges of ₹100.
 April 30 Amount transferred to fixed deposit ₹5,00,000

OR

Q.2 (A) Prepare cash book from the following transaction of advance technology, Mumbai for April, 2023. (12)

Date	Particulars	₹
2023		
April 1	Cash in hand	14,000
	Bank overdraft	13,200
April 4	Wages paid	1,400
April 5	Cash sale	17,000
April 7	Purchased goods from Rahul, Kolkata for ₹ 15,000 trade Discount 20% and Cash discount of 2% if Paid in 7 Days.	
April 9	Purchased furniture for cash.	10,000
April 10	Cash paid to Rohit ₹5,000 in settlement of his Account of ₹5,100.	
April 10	Issued cheque to Rahul in settlement.	
April 13	Cheque issued to Rahul was dishonoured.	
April 13	Cash sale	4,500
April 16	Bank charged interest on overdraft.	500

April 18	Deposit in bank	7,000
April 20	Paid telephone bill by cheque.	600
April 25	Sold goods for ₹23,500 to Vikas and received cheque in settlement (Deposited same day.) allowed him discount ₹500.	
April 27	Paid rent	800
April 29	Drew cash for personal use.	1,000
April 30	Paid Salary	2,000
April 30	Interest collected by bank	2,500

Q.3 (A) From the following information prepare the account of shri Ganesh in the books of shri shiva. (12)

- 2017
 Jan 1 Opening balance ₹2000 (debit balance)
 Jan 7 Sold goods to shri Ganesh at ₹4000 at 10% trade discount and 5% cash discount. Half the amount paid by cheque.
 Jan 10 Shri Ganesh returned goods (defective) ₹600.
 Jan 12 Ganesh paid on Account ₹750.
 Jan 21 Received cheque from Ganesh and deposited into bank ₹600.
 Jan 25 Shri Ganesh cheque returned dishonored by bank.
 Jan 30 Shri Ganesh paid further cash for the amount.

Q.3 (B) Prepare trial balance as on 31st march, 2023 from the following ledger Balance of dimple bros: (12)

Computer A/c	2,46,000
Capital A/c	2,50,000
Debtors A/c	28,000
Creditor A/c	26,000
Purchase A/c	35,000
Sales A/c	53,000
Return outward A/c	5,00
Bank overdraft A/c	6,000
Cash in hand A/c	1,000
Opening Stock A/c	7,500

VEER NARMAD SOUTH GUJARAT UNIVERSITY

Examination March- 2026

FYBCA SEMESTER-II (NCF-NEP)

Subject Code: 2411000902011001

Course Code: Major-1-204 Programming Skills (TH)



[Total Marks:25]

[Time: 1 Hrs

Instructions:

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

[4]

Q.1[A] MCQ (Any Four)

(1). What is the size of following union?

```
union demo
{
    float x; int y; char z[8];
}
```

- (A) 4
- (B) 2
- (C) 8
- (D) 14

(2). What will be the type of output of following code?

```
print(type(5/2))
```

- (A) float
- (B) int
- (C) complex
- (D) double

(3) Which is correct operator to calculate x power y (i.e. x^y)?

- (A) x^y
- (B) $x**y$
- (C) $x//y$
- (E) $x^^y$

(4) Predict Output:

```
for 1 in range(5,0,-1):
    print (1, end="")
```

- (A) 12345
- (B) 543210-1
- (C) 55555

(D) 54321

(5) What is the purpose of the np.reshape() function in NumPy?

- (A) Change the shape of an array
- (B) Transposes array
- (C) Rotate Array
- (D) Reverse Array

Q.1[B] Answer the following in short (Any Four)

[4]

- (1) Explain recursion in brief.
- (2) What is global variable? How to create global variable in Python?
- (3) Explain member operators with example.
- (4) How to write for loop in Python? Write an example.
- (5) What is set? How to create set in Python?

Q.2

[A] Explain concept of structure in detail. How to create structure? How to access structure members? Explain them with an example.

[4]

OR

[A] How to create user define function in C"? Discuss How to pass argument in function? **[5]**

Q.2

(B) Explain Data type of Python in detail

[4]

Q.3 Write Any Two

[8]

[A] How to create a string in Python? Explain any four string function with example.

[B] What is List? How to create a list? How to access list member? Explain them with example.

[C] Explain NumPy in detail.

March 2026

BCA SEMESTER-II

ZO-VAC-ENV-201-ENVIRONMENT

Subject Code: 2611000902077002



[Time: 1 Hours]

[Total Marks: 25]

Seat No.:

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Name of the Examination:	
SEMESTER-II	
Name of the subject: ZO-VAC-ENV-201-ENVIRONMENT-I	
Subject Code No.	2611000902077002

Student's signature

Instructions:

- (1) Question no. 1 is compulsory.
- (2) Figures to the right indicate full marks of the question.

Q. 1 Answer in brief ANY FIVE of the following:

[05]

- (1) Define renewable resources.
- (2) Give two causes of environmental degradation.
- (3) Write the environmental benefits of forests.
- (4) Give two types of water resources.
- (5) Write two advantages of renewable resources.
- (6) How do human activities affect the environment?
- (7) Identify two positive and negative impacts of technology on the environment?

Q. 2 Answer ANY TWO of the following:

[10]

- (1) Explain environmental education for the future.
- (2) Classify and explain the components of the environment.
- (3) Explain the advantages and disadvantages of modern technology with reference to the environment

Q. 3 Answer ANY TWO of the following:

[10]

- (1) Explain the social issues related to land resources.
- (2) Give detailed account of renewable resources.
- (3) Explain the advantages and disadvantages of modern agriculture.

UDHNA COLLEGE

CC-ADVANCE DIGITAL SKILLING (UNIVERSITY EXAMINATION:2025-26) Question paper

Question Set 2

Class Group: BCA Semester - II

Subject: Advance Digital Skilling

(1) "Shuffle question order" helps to:

Options (1) Prevent cheating (2) Add images randomly (3) Enable file upload (4) Increase file size

(2) Linking responses to a sheet is done using:

Options (1) Settings → Auto save (2) Responses → Link to Sheets (3) Tools → Connect Workbook (4) Add-ons → Collector

(3) Sort A–Z means:

Options (1) Ascending (2) Descending (3) Random (4) Filtered

(4) Nimbus videos can include:

Options (1) 3D effects (2) Webcam overlay (3) QR scanner (4) Device manager output

(5) Customized SMS service allows:

Options (1) Personalized message templates (2) Movie editing (3) Hardware upgrade (4) Software installation

(6) What is use of CONCATENATE function in Google Sheet?

Options (1) Merge Text (2) Split Text (3) Find Average (4) Find Maximum

(7) SMS is transmitted using which protocol?

Options (1) SMTP (2) HTTP/HTTPS (3) SMPP (4) POP3

(8) Which function is used to convert text to uppercase in Google Sheets?

Options (1) UPPER (2) UCASE (3) CONVERT_TO_UPPER (4) TO_UPPER

(9) Which layout shows all participants together?

Options (1) Spotlight (2) Auto (3) Tiled (4) Mini view

(10) Wrap text is used to:

Options (1) Shorten text (2) Split text (3) Display full text in a cell (4) Delete text

(11) WhatsApp bulk messaging requires:

Options (1) Robotics (2) Offline mode (3) API-based integration (4) Calculator

(12) Host can mute all participants using:

Options (1) Mute All (2) Voice Filter (3) Audio Cut (4) Sound Lock

(13) Zoom feature "Breakout Rooms" is used for:

Options (1) Background blur (2) Splitting participants into groups (3) Increasing bandwidth (4) Adding music

UDHNA COLLEGE

CC-ADVANCE DIGITAL SKILLING (UNIVERSITY EXAMINATION:2025-26) Question paper

Question Set 2

Class Group: BCA Semester - II

(14) HH:MM represents:

Options (1) Days & Years (2) Hours & Minutes (3) Months (4) Currency

(15) Dynamic pivot helps in:

Options (1) Adding animations (2) Auto-generating summary graphs (3) Creating interactive pivot tables (4) Improving quiz scores

(16) AVERAGE(100,200,300) equals:

Options (1) 150 (2) 200 (3) 250 (4) 300

(17) Nimbus extension can be installed from:

Options (1) BIOS settings (2) Chrome Web Store (3) VLC Media Player (4) Android Emulator

(18) Which file type is commonly used for e-signing in DocuSign?

Options (1) .mp3 (2) .txt (3) .exe (4) .pdf

(19) Which feature in Google Meet suppresses background noise?

Options (1) Noise cancellation (2) Auto text (3) Screen recorder (4) Dark mode

(20) Nimbus Screenshot tool is mainly used for:

Options (1) Capturing images/screens (2) File compression (3) Writing code (4) Audio editing

(21) Canned response is the feature that can be used in which of the following?

Options (1) GSheet (2) MS Word (3) Gmail (4) GDoc

(22) Remove duplicates found under:

Options (1) Insert (2) Data (3) Tools (4) View

(23) Which question type is used to select only one choice from available choices in Google Form?

Options (1) Paragraph (2) Multiple choice (3) Time (4) Date

(24) Which of the following are video conferencing tools?

Options (1) Zoom and Meet (2) Word and Excel (3) Notepad and Wordpad (4) Paint and Photoshop

(25) Indentation found under:

Options (1) Insert (2) Tools (3) Format → Alignment (4) Data → Alignment

UNIVERSITY EXAMINATION: 2025-26
BACHELOR OF COMPUTER APPLICATION (SEM.-2)
SUBJECT: CERTIFICATE COURSE IN
SMART INVESTING: STOCK MARKET BASICS & AI APPLICATIONS
Question Set 2

TIME: 1 HOUR

TOTAL MARKS: 25

1. Stop-loss strategy limits
A. Profit B. Loss C. Investment D. Trading
2. AI improves efficiency by
A. Increasing workload B. Reducing errors C. Increasing bias D. Slowing processes
3. AI mainly helps in
A. Guessing prices B. Data-driven decisions C. Eliminating risk D. Manual trading
4. Primary market deals with
A. Trading of existing shares B. Issue of new securities C. Speculation D. Derivatives
5. AI needs regular
A. Ignoring B. Updates C. Shutdown D. Errors
6. Data-driven decisions are
A. Subjective B. Objective C. Emotional D. Random
7. AI adoption challenge is
A. Cost B. Skill gap C. Data availability D. All of the Mentioned
8. AI can rebalance portfolios
A. Annually B. Automatically C. Emotionally D. Manually
9. Rights issue is offered to
A. New investors B. Employees C. Existing shareholders D. Government
10. AI stands for
A. Automated Intelligence B. Artificial Intelligence C. Applied Intelligence D. Advanced Interface
11. AI models should be
A. Static B. Adaptive C. Ignored D. Closed
12. AI trading reacts

A. Slowly B. Instantly C. Emotionally D. Weekly

13. Fundamental analysis focuses on

A. Charts B. Indicators C. Financial statements D. Trends only

14. Ethical issue in AI investing is

A. Transparency B. Black-box decisions C. Speed D. Automation

15. AI predictions improve with

A. Poor data B. Clean data C. Random data D. No data

16. Time-series data involves

A. Random data B. Sequential data C. Static data D. No time

17. A market participant is

A. Investor B. Trader C. Broker D. All of the Mentioned

18. AI models may fail due to

A. Poor data B. Market shocks C. Wrong assumptions D. All of the Mentioned

19. AI helps in

A. Risk prediction B. Trend identification C. Portfolio optimization D. All of the Mentioned

20. AI investing risk includes

A. Model errors B. Data bias C. Over-automation D. All of the Mentioned

21. Which is an Indian stock exchange

A. NASDAQ B. NYSE C. BSE D. LSE

22. Secondary market is used for

A. IPOs B. Bonus shares C. Buying and selling existing securities D. Rights issue

23. AI limitations include

A. Lack of emotions B. Data bias C. Overfitting D. All of the Mentioned

24. AI dependency risk is

A. Over-trust in models B. No data C. Manual trading D. Regulation

25. Overfitting means

A. Model too simple B. Model too complex C. Less data D. No data

UDHNA COLLEGE

SEC-206- APPLICATION OF AI FOR STUDENTS (UNIVERSITY EXAM:2025-26) Question paper

Question Set 1

Class Group: BCA Semester - II

Subject: SEC 206 - Application of AI for Students

(1) Which of the following is an example of Generative AI?

Options (1) Calculator (2) Spell checker (3) ChatGPT (4) Antivirus

(2) Which model is commonly used in Generative AI?

Options (1) Decision Tree (2) Neural Networks (3) KNN (4) Linear Regression

(3) Which tool would you use to quickly summarize a long PDF article for a research paper?

Options (1) Excel (2) ChatGPT or Gemini (3) PowerPoint (4) Windows Calculator

(4) ChatGPT can help in:

Options (1) Essay writing (2) Summarization (3) Idea generation (4) All of the above

(5) Generative AI mainly learns from

Options (1) Small datasets (2) Predefined rules (3) Massive amounts of data (4) User guesses

(6) Microsoft Copilot is primarily integrated with which productivity suite?

Options (1) Google Workspace (2) Microsoft option365 (Word, Excel, PowerPoint) (3) Adobe Creative Cloud (4) Apple iWork

(7) AI interview preparation includes:

Options (1) Mock questions (2) Feedback (3) Confidence building (4) All of the above

(8) Which technology enabled the rise of Generative AI?

Options (1) Cloud computing (2) Blockchain (3) Quantum computing (4) IoT

(9) Which sector is most impacted by AI?

Options (1) Education (2) Business (3) Healthcare (4) All of the above

(10) Copilot helps mainly in:

Options (1) Manual work (2) Slowing tasks (3) Automation (4) Errors

(11) Rezi is best suited for:

Options (1) Bullet point achievements (2) Creative posters (3) Email writing (4) Event planning

(12) AI tools help in resume writing by improving

Options (1) Grammar and structure (2) Font color only (3) File size (4) Printing speed

(13) GitHub Copilot mainly helps in:

Options (1) Image design (2) Music composition (3) Programming (4) Video editing

(14) AI tools cannot replace:

Options (1) Subject knowledge (2) Slides (3) Notes (4) Emails

(15) AI is useful in event planning for:

Options (1) Cooking (2) Gaming (3) Task checklists and schedules (4) Transportation

(16) Which industry widely uses Generative AI?

Options (1) Education (2) Healthcare (3) Business (4) All of the above

UDHNA COLLEGE

SEC-206- APPLICATION OF AI FOR STUDENTS (UNIVERSITY EXAM:2025-26) Question paper

Question Set 1

Class Group: BCA Semester - II

(17) Gamma is mainly used for:

Options (1) Coding (2) Presentations (3) Music creation (4) Video editing

(18) Which AI tool is used for presentations?

Options (1) Gamma (2) Excel (3) Notepad (4) Paint

(19) DALL·E and Midjourney are used for:

Options (1) Text translation (2) Video editing (3) Image generation (4) Audio synthesis

(20) Which tool helps with Excel formulas?

Options (1) Gamma (2) DeepSeek (3) Copilot (4) Midjourney

(21) Which task is supported by Hands-On AI in academics?

Options (1) Cooking (2) Assignment writing (3) Driving (4) Gaming

(22) AI tools primarily use which technologies?

Options (1) Blockchain and IoT (2) Machine Learning and NLP (3) Networking protocols (4) Operating systems

(23) One major benefit of AI in project planning is:

Options (1) Delays work (2) More stress (3) Saves time (4) Less organization

(24) Creating outlines using AI helps improve:

Options (1) Speed only (2) Organization and clarity (3) Internet access (4) Marks directly

(25) AI-generated study guides help in:

Options (1) Exam preparation (2) Entertainment (3) Attendance (4) Sports

VEER NARMAD SOUTH GUJARAT UNIVERSITY
Examination March- 2026
BACHELOR OF COMPUTER APPLICATION Semester II
Subject Code: 2411000902022001
Paper: MAJOR-2-205 CONCEPTS OF RELATIONAL DATABASE
MANAGEMENT SYSTEMS (TH)



Time: 1Hours
Total Marks: 25

Instructions:

1. All questions are compulsory.
2. Figure to the right indicate full marks for that question.
3. Sketch neat and labelled diagram wherever necessary.

Q.1 (a) Do as directed (Any Five)

(5)

1. Which of the following is Relational Algebra operation?
 - a. Compile
 - b. Execute
 - c. Select
 - d. Debug
2. Which pseudo column is used to uniquely identify a row in a table?
 - a. ROWID
 - b. ROWNUM
 - c. COLUMNID
 - d. TABLEID
3. Which statement is used to remove a table permanently?
 - a. DELETE
 - b. REMOVE
 - c. DROP
 - d. ERASE
4. Which loop executes at least in PL/SQL?
 - a. WHILE
 - b. FOR
 - c. LOOP.. END LOOP
 - d. EXIT
5. Which cursor is automatically created by Oracle?
 - a. Explicit cursor
 - b. Implicit cursor
 - c. Dynamic cursor
 - d. Used-defined cursor
6. Which clause is used to filter grouped records?
 - a. WHERE
 - b. ORDER BY
 - c. HAVING
 - d. GROUP BY

Q.1 (b) Answer in short (Any four)

- a. State any two Codd's Rules.
- b. Define Relational Algebra.
- c. What is TCL? Give one example.
- d. Define RENAME operation in Relational Algebra.
- e. What is COMMIT?
- f. Define DCL.

(4)

Q.2 (A) Explain different type of SQL Joins with suitable examples.

(5)

OR

Q.2 (A) Explain various DATE functions in SQL with syntax and examples.

(5)

Q.2 (B) Explain PL/SQL block structure and conditional statements with example.

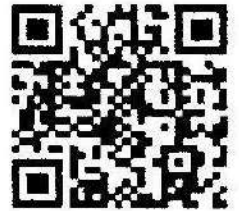
(4)

Q 3 Write a Note (Any 2).

(8)

- a. Types of Iterative Statements in PL/SQL.
- b. Implicit and Explicit Cursors with attributes.
- c. Exception Handling in PL/SQL.
- d. Cursor Lifecycle: Declare, Open, Fetch and Close.

VEER NARMAD SOUTH GUJARAT UNIVERSITY
Examination March- 2026
FY B.C.A SEMESTER-II (NCF-NEP)
MINOR OPERATING SYSTEM
Subject Code 2511000902030002
Course Code: Minor-203-Operating System



Time 3 Hrs.

Total Marks 50

_____ * _____ *
a.m.

* _____ a.m.

_____ Day _____
p.m

Time: _____ p.m. _____

Instructions

1. Write to the point
2. Provide examples and diagrams wherever appropriate / necessary
3. Figures to the right indicate full marks to the question

Q.1 [A] Choose the correct options (Any Five)

[05]

1. Spooling is an acronym for _____

- A. Symmetric peripheral operation on-line
- B. Simple peripheral options on-line
- C. Systemic peripheral options on-line
- D. Simultaneous peripheral operation on-line

2. The _____ is the heart of the operating system.

- A. Compiler
- B. Interpreter
- C. Kernel
- D. Shell

3. _____ begins at the root and follows a path down to the specified file, giving the directory name on the path.

- A. Relative Path
- B. Random Path
- C. Absolute path
- D. Static Path

4. _____ uses master-slave relationship.

- A. Real Time Systems
- B. Distributed Systems
- C. Asymmetric multiprocessing
- D. Symmetric multiprocessing

5. _____ is a unique tag; usually a number identifies the file within the file system.

- A. File Identifier
- B. File Name
- C. File Type
- D. File location

6. _____ is the original creator of Linux.

- A. Linus Torvalds
- B. Dennis Ritchie
- C. James Gosling
- D. Ken Thompson

7. In Linux, _____ has all administrative privileges.

- A. Administrator
- B. Standard User
- C. Root user
- D. Child User

Q.1 [B] Answer the following questions (Any Five)

[05]

1. Define Operating System.
2. What is JCL? Why it is used.
3. Define absolute path.
4. What is file?
5. List out file attributes.
6. Define DMA.
7. What do you mean by Open-Source software?

Q.2 [A] Answer the following questions

[10]

1. Explain evolution and history of operating system.
2. Discuss tree structured directories in detail, also discuss advantages of it over two-level directory structure.

OR

Q.2 [A] Answer the following questions

[10]

1. Discuss need of an operating system and operating system as a resource manager.
2. Explain file types.

Q.2 [B] Answer the following questions

[06]

1. Explain functions of operating system.
2. Explain File Allocation methods.

OR

Q.2 [B] Answer the following questions

[06]

1. Discuss file access methods.
2. List and explain file operations

Q.3 [A] Answer the following questions

[10]

1. Explain basic features of Linux operating system.
2. Write a brief note on maintaining user accounts in Linux.

OR

Q.3 [A] Answer the following questions

[10]

1. Discuss components of Linux Operating System.
2. Explain System Configuration Service of Linux.

Q.3 [B] Answer the following questions

[06]

1. Write difference between Windows and Linux.
2. Write a short note on RAID.

OR

Q.3 [B] Answer the following questions

[06]

1. Explain device driver.
2. Discuss file sharing and file protection

Q.4 Do as Directed

[08]

Suppose that a disk drive has 200 cylinders, numbered 0 to 199. The disk drive is currently serving at cylinder 90. The queue of pending requests, in FIFO order, is:

15,41,144,93,73,179,137,125,69,45,36,11

Starting from current head position, what is the total distance that disk arm moves to satisfy all the pending requests for each of the following disk-scheduling algorithms?

1. FCFS
2. SSTF
3. SCAN
4. C-SCAN

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL- 2026
F.Y.B.C.A. (SEMESTER-II) (NCF - NEP)
SUBJECT CODE:2411000902011002-A
MAJOR-1-204-PROGRAMMING SKILLS (PR)



[Time: 2 Hours]
[Total Marks: 25]

Q. 1

(a). Create a dictionary containing library book details. Use Book_ID as the key and a nested dictionary as the value containing: TITLE, AUTHOR, PRICE, PUB_YEAR, AND AVAILABLE. Add at least 5 book records and List all books whose AVAILABLE status is 'Yes'. [8]

(b). Write a Python program that accept a string from user and remove all vowels from given string and display it. [5]

Q. 2

Write a C program to calculate the area of a circle using a user defined function. [7]

Q. 3

Viva + Journal [5]

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL- 2026
F.Y.B.C.A. (SEMESTER-II) (NCF - NEP)
SUBJECT CODE:2411000902011002-B
MAJOR-1-204-PROGRAMMING SKILLS (PR)



[TIME: 2 HOURS]
[TOTAL MARKS: 25]

Q.1

Write a C-program to create a user defined function Fibo_Prn() that accept total number of elements and print Fibonacci series accordingly. [7]

Q-2

(a). Write a python program that prints the multiplication table of an input number. [6]

(b). Write a python program to input data into list and display them in ascending order. [7]

Q-3

Viva and Journal

[5]

VEER NARMAD SOUTH GUJARAT UNIVERSITY

EXAMINATION APRIL-2026

F.Y.B.C.A. (SEMESTER-II) (NCF - NEP)

SUBJECT CODE 2411000902011002-C

MAJOR-1-204-PROGRAMMING SKILLS PR)



(Time: 2 Hours]

{Total Marks: 25]

- Q.1 Write a C program to check if a number entered is between 10 and 50 inclusive using user defined function and, then print appropriate message. [7]
- Q.2 (a). Write a Python program to input a string from user and print each character in new line. [6]
- (b). Write a Python program to check whether a number is positive, negative or zero using user defined function. [7]
- Q.3 Viva + Journal [5]
-

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL-2026
F.Y.B.C.A. (SEMESTER-II) (NCF - NEP)
SUBJECT CODE 2411000902011002-D
MAJOR-1-204-PROGRAMMING SKILLS (PR)



Time: 2 Hours

Total Marks: 25

Q.1 Write a C-program to create a structure Book(Bid, Bname, Bprice, Bpages). Input information of 5 Books and Display information of those books which price is greater than 500. [7]

Q-2 (a). Write a python program to count the total number of blank space(s) in input string. [6]

(b). Write a python program to compute N! value. Input value of N from keyboard. Apply user define function to do so. [7]

Q-3 Viva and Journal

[5]

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL- 2026
BACHELOR OF COMPUTER APPLICATION (NCF-NEP)
(SECOND SEMESTER)



SUBJECT CODE:2411000902022002-A
MAJOR-2-205 CONCEPT OF REL DATA MANAGEMENT RDBMS (PR)

Duration: 2 Hours

Max. Marks: 25

Instructions:

1. Figures to the right indicate full marks of the question.
2. All questions are compulsory.

Q.1 Create following tables with appropriate constraints. [10]

CUSTOMER (cust_id, cust_name, city)

ORDERS (order_id, cust_id, order_amount, order date)

- Insert minimum 5 records.
- Apply referential integrity between CUSTOMER and ORDERS table.

Q.2 Write a PL/SQL block to accept cust_id from user and display: [10]

- Customer details.
- Total number of orders placed.
- Total order amount.

If customer does not exist, display proper message.

Q.3 VIVA-VOCE [05]

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL- 2026
BACHELOR OF COMPUTER APPLICATION (NCF-NEP) (II SEMESTER)
SUBJECT CODE:2411000902022002-B
MAJOR-2-205 (PRACTICAL-205) RDBMS



Duration: 2 Hours

Max. Marks: 25

Name of the Examination:

BACHELOR OF COMPUTER APPLICATION (NCF-NEP) (PRACTICAL) (SECOND SEMESTER)

MAJOR-2-205-CONCEPTS OF RELATIONAL DATABASE MANAGEMENT SYSTEMS(PR)

Instructions:

1. Figures to the right indicate full marks of the question.
2. All questions are compulsory.

Q.1 Create following tables with appropriate constraints.

[10]

COURSE (course_id, course_name, fees)

ENROLLMENT (enroll_id, rollno, course_id, enroll_date)

- Insert minimum 5 records in each table.
- Apply referential integrity between STUDENT and ENROLLMENT.

Q.2 Write a PL/SQL block to accept course_id from user and display course details. If course does not exist, display appropriate message.

[10]

Q.3 VIVA-VOCE

[05]

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION APRIL - 2026
BACHELOR OF COMPUTER APPLICATION (NCF-NEP)
(SECOND SEMESTER)

SUBJECT CODE: 2411000902022002-C
BCA SEM-2 (PRACTICAL-205) RDBMS



[Duration: 2 Hours]

[Max. Marks: 25]

Name of the Examination: **BACHELOR OF COMPUTER APPLICATION**
(NCF-NEP) (PRACTICAL)
(SECOND SEMESTER)

Seat No.

MAJOR-2-205-CONCEPTS OF RELATIONAL
DATABASE MANAGEMENT SYSTEMS (PR)

Subject Code: **2411000902022002**

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Student's Signature

Instructions:

Figures in the right indicate full marks of the question.

All questions are compulsory

Q.1 Create following table with appropriate constraints. [10]

EMPLOYEE(emp_id, emp_name, basic_salary, hra, da, gross_salary)

• Insert minimum 5 records.

Q.2 Write a PL/SQL block to calculate: [10]

• HRA = 10% of basic_salary

• DA = 15% of basic_salary

• Gross salary = basic_salary + hra + da

• Display employee salary details.

Q.3 VIVA – VOCE [05]

VEER NARMAD SOUTH GUJARAT UNIVERSITY

EXAMINATION APRIL- 2026

BACHELOR OF COMPUTER APPLICATION (NCF-NEP) (SECOND SEMESTER)

SUBJECT CODE: 2411000902022002-D

MAJOR-2-205 CONCEPT OF RDBMS



Duration: 2 Hours

Max. Marks: 25

Instructions:

- 1. Figures to the right indicate full marks of the question.**
- 2. All questions are compulsory.**

Q.1 Create following tables with appropriate constraints.

[10 Marks]

STUDENT(rollno, name, sub1_marks, sub2_marks)

Insert minimum 5 records.

Q.2 Write a PL/SQL block which will take rollno from user and calculate total_marks and percentage. Also display result as following:

[10 Marks]

Rollno, name, sub1_marks, sub2_marks, Total_marks, Percentage, Result.

- If marks in any subject is less than 35, display result "FAIL".
- If percentage is greater than 70, display result "DISTINCTION".
- If percentage is between 60 and 70, display result "FIRST CLASS".
- If percentage is between 50 and 60, display result "SECOND CLASS".
- If percentage is less than 50, display result "PASS CLASS".

Q.3 VIVA VOCE

[05 Marks]