

Third Semester B.C.A Degree Examinations

JANUARY/FEBRUARY 2024

(CBCS NEP Scheme)

PAPER: COMPUTER COMMUNICATION AND NETWORKS

Time: 2 hrs]

[Max. Marks: 60

Instructions to Students:

1. The students should legibly write Section number along with question numbers.
2. The answer without Section number and question numbers will not be valued.
3. The question numbers should be legibly written with in margin only.

SECTION - I

I. Select the most appropriate answer from the options provided:

$10 \times 1 = 10$

I - 1) Identify the layer which provides service to the user

- a) Session layer
- b) Application layer
- c) Presentation layer
- d) Physical layer

I - 2) The Set of Rules define by

- a) SMTP
- b) FTP
- c) IMAP
- d) Protocol

I - 3) Identify the incorrect network topology

- a) BUS
- b) Star
- c) P2P.
- d) Ring

I - 4) The coaxial cables are used in _____

- a) Cable Television.
- b) LANS
- c) Telephone.
- d) All of the above

I - 5) _____ is used for multicast communication.

- a) Radio waves .
- b) Microwaves
- c) Infrared
- d) None of the above

I - 6) Hamming Code is an example for

- a) Connection release b) Connection oriented
- c) Error detection d) None of the above

Contd..... 2

- I - 7) Data link layer protocol is
 a) IP b) UDP
 c) TCP d) Stop and wait
- I - 8) Two broad categories of congestion control are
 a) Open Control & Closed Control b) Open loop and closed loop
 c) active loop and passive loop d) None of the above
- I - 9) CRC Stands for
 a) Cyclic Revision circle b) Cyclic Redundancy Check
 c) Cute Rare cycle d) None of the above
- I - 10) Expansion of DNS is
 a) Domain Name System b) Doom Name System
 c) Digital Name System d) None of the above

SECTION – II

II. Answer any FIVE of the following:

$5 \times 3 = 15$

- II - 1). Define Ring topology Mention any two advantages and disadvantages of Ring topology.
- II - 2) With a neat diagram explain twisted pair.
- II - 3) Explain data link layer design issues.
- II - 4) Define distance vector routing.
- II - 5) Describe Electronid Mailing
- II - 6) Explain TCP/IP reference model.
- II - 7) Define Coaxial cable.
- II - 8) Explain Tree Topology.

SECTION – III

III. Answer any THREE of the following:

$3 \times 5 = 15$

- III - 1) Explain OSI reference model.
- III - 2) How radio transmission takes place? Explain.
- III - 3) Explain Sliding window protocol.
- III - 4) Define and Explain distance vector routing
- III - 5) Explain the elements of Transport service.

SECTION - IV

IV. Answer the following:

$2 \times 10 = 20$

VI - 1) a) i) compare and contrast MAN and WAN.

ii) Explain Message Switching

(5 + 5)

OR

b) i) Explain Error detection – single parity checking.

ii) Explain leaky bucket algorithm

(5 + 5)

VI - 2) a) i) Explain microwaves transmission.

ii) Compare and contrast Bus topology and Star topology.

(5 + 5)

OR

b) i) Explain Hierarchical Routing.

ii) Write a short note on World Wide Web.

(5 + 5)

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Third Semester B.Sc/BCA Degree Examinations
JANUARY/FEBRUARY 2024

(CBCS NEP SCHEME)

ENGLISH LANGUAGE

(2022 – 23 Syllabus)

NSC/NBC 0080: PAPER III: QUEST AND ART OF COMMUNICATION
[WORK BOOK]

Time: 2 Hours]

[Max. Marks: 60

Instructions:

- 1) The students should legibly write section number along with question numbers.
- 2) The answers without section number and question numbers will not be valued.
- 3) The question numbers should be legibly written within the margin only.
- 4) Do not repeat the answers.
- 5) In case of repetition, only the first answer will be considered for awarding marks.
- 6) Answer to one mark questions should not exceed one sentence.

SECTION - I

UNIT 1: READING SKILLS]

I. Read each sentence carefully and fill in the blanks with the most appropriate answer from the options given:

- 1 - 1) _____ is the 'finger of Heaven' that Vonstieff refers to
 a) Death through starvation b) Poisoning the prince
 c) A Cold-blooded murder d) Natural Death
- 1 - 2) Dimitri tells Strongatz that he hates death because _____
 a) death is scary b) death is shameful c) it is painful d) he loves life
- 1 - 3) Mrs. Meldon compares warfare to _____
 a) a planned murder b) an act of valour
 c) an organized butchery d) a burglary of nations
- 1 - 4) Mrs. Meldon's husband Tom died due to _____
 a) cancer b) broken heart c) interaction d) warfare

I - 5) _____ is the old man that Lady Macbeth refers to in the sleep walking scene.

- a) Banquo
- b) Macduff
- c) Duncan
- d) Macbeth

I - 6) In the 'Sleep Walking Scene', Lady Macbeth continuously _____ her hands.

- a) waves
- b) claps
- c) ribs
- d) squeezes

I - 7) According to Prospero, _____ is better than vengeance.

- a) forgiveness
- b) weakness
- c) jealousy
- d) destruction

I - 8) _____ is the native of the Island in the Reconciliation scene.

- a) Prospero
- b) Ferdinand
- c) Caliban
- d) Alonso

I - 9) Gintzitz, Vonietta and Shultz are the officers of _____ Regiment of guards.

- a) Loyandi
- b) Andrieff
- c) Kranitzski
- d) Kedarius

I - 10) Mrs. Meldon ordered for a wreath with _____ for the war memorial

- a) Eddie
- b) Henry
- c) Hannah
- d) Gage

SECTION - II

[UNIT - 2: LISTENING SKILLS AND UNIT - 3: SPEAKING SKILLS]

II. Write short notes on any FIVE of the following, choosing Three from Unit 2 and Two from Unit 3 in a paragraph each:

$5 \times 3 = 15$

- II - 1) Ngugi Wa Thiongo's views on cultural alienation
- II - 2) Views of Gandhi on non-cooperation
- II - 3) Steve Jobs's attitude towards death
- II - 4) Martin Luther King's urge for freedom and justice
- II - 5) Significance of homesteads according to Ngugi Wa Thiongo
- II - 6) Gender equality – a brief presentation
- II - 7) Persuasive presentation
- II - 8) Features of Informative presentation

SECTION - III

[UNIT - 4: WRITING SKILLS]

III. Answer any THREE questions from the following in a page each:

$3 \times 5 = 15$

- III - 1) Write an application with CV to the SRV Groups of Companies, K R Puram, Mysuru

Contd.....
for the post of Technical Assistant, as advertised in The Indian Express.

3

- III - 2) Explain the features of a brochure.
III - 3) Write a letter to the principal of your college requesting him/her to permit your class to conduct a Cultural Fest.
III - 4) Prepare a classified advertisement about your new coaching center.
III - 5) Write the features of a Product Manual.

SECTION - IV

[SHORT PLAYS/SCENES, SPEAKING AND WRITING SKILLS]

IV. Answer the following questions in about two pages each:

- IV - 1) Discuss 'Progress' as an anti-war play.

10 Marks

OR

Comment on the themes of sin and redemption in the 'Sleep Walking Scene'.

1 × 5 = 05

- IV - 2), a) Prepare a short speech on youth and social media.
b) Write a letter to the principal complaining about regular powercut in the laboratory.

1 × 5 = 05

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Third Semester B.A. / B.Com./ B.Sc./B.B.A./ B.C.A.

Degree Examinations

February / March 2024

(CBCS NEP Scheme)

ECONOMICS

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Time: 2 Hours

Instructions to Students:

Max-Marks: 60

1. The students should legibly write section number along with question numbers.
 2. The answers without section number and question numbers will not be valued.
 3. The question numbers should be legibly written within the margin only.

SECTION - I બિનાર - I

$$10x1=10$$

- I-4. Human resource management gives emphasis of _____
- Development of people
 - Punishment of people
 - Adoption of people
 - None of these
- ✓ व्यवस्था करने के लिए निम्नलिखित में से कौन सा विकास करता है ?
- प्राप्ति अद्यती
 - जटारी कोई
 - हासि चक्र
 - व्यवस्था का
- I-5. In which year the national food security act was passed in India ?
- भारत में आपूर्ति को अपना पहुँच का विषय करने के लिए किस वर्ष विधायिका द्वारा विधायिका में बहाली की गई ?
- 2001
 - 2005
 - 2013 ✓
 - 2010
- I-6. In which report the 'Sustainable development concept' was explained for the first time?
- World development report
 - Brundtland commission report
 - First earth summit report
 - Human development report
- ✓ व्यापक उपयोगी विकास के लिए यारी इसके लिए किस वर्ष विधायिका में बहाली की गई ?
- ब्रन्टलैंड रिपोर्ट
 - "स्वराजाभ्यास" का विवरण किस
 - मैटेसन अद्यती रिपोर्ट
 - मैटेसन अद्यती रिपोर्ट
- I-7. What is the rank of India in Global Hunger Index in 2023 ?
- ✓ 2023 के अंतर्गत विश्व विकास विवरण का विवरण किस वर्ष दिया गया है ?
- 110
 - 120
 - 116
 - 111
- I-8. Who is the father of co-operation ?
- Robert Owen
 - Karl Marx
 - Mors - D - Morris
 - Adam Smith
- ✓ अधिकारी विकास के द्वारा ?
- रामगढ़ी - सिंहराम
 - कृष्णराम - द्वा - द्वारामर्य
 - मृगीनी
 - कृष्णराम - द्वा - द्वारामर्य
- I-9. Which of the following does not include in physical quality of life index ?
- Education
 - Life expectancy
 - Standard of living
 - Infant Mortality
- ✓ कृष्णराम विकास के लिए जलवायन का उपयोग किस विवरण में आवश्यक है ?
- आपूर्ति
 - जटारी
 - व्यवस्था का
 - विकास का
- I-10. How many Goals are there in sustainable development ?
- ✓ स्वराज विकास का किसी विवरण में कितने लक्षण है ?
- 20
 - 17
 - 30
 - 10

SECTION - II ଭାଗ - II

II Answer / Write short notes on any FIVE of the following.

ସତରିନ ଯେତୁଳାଦୟର ଜାମ କୃତ୍ୟାଗର ଲାଭ୍ୟୀ 5x3=15

- II-1. Define Human Development.
ମନୋନିବ ଅଧ୍ୟୁଷିତୀତିମୂଳିକ ବ୍ୟକ୍ତିଗତି.
- II-2. Write a note on importance of Human Development.
ମନୋନିବ ଅଧ୍ୟୁଷିତ କାମମୁଖୀୟତିମୂଳିକ କାମକୁ ପ୍ରକଳ୍ପ କରିବାର.
- II-3. Write a note o Economic Security.
ଅଧିକ ଧର୍ମକ୍ଷେତ୍ରରେ ଯାଏ ପ୍ରକଳ୍ପ କରିବାର.
- II-4. Write a note on Human Poverty Index (HPI).
ମନୋନିବ ବ୍ୟକ୍ତିମାନ ମନୋନିବରେ କାମକୁ ପ୍ରକଳ୍ପ କରିବାର.
- II-5. Write a note on empowerment.
ସମ୍ବନ୍ଧରେ କରିବା ପ୍ରକଳ୍ପ କରିବାର.
- II-6. Write a note on physical quality of life index (PQLI).
କ୍ଷେତ୍ରନାମ ଫ୍ରାଙ୍କ ନାମକ୍ରମରେ କାମକୁ ପ୍ରକଳ୍ପ କରିବାର.
- II-7. Define Sustainable development.
କୁଣ୍ଡର ଅଧ୍ୟୁଷିତିମୂଳିକ ବ୍ୟକ୍ତିଗତି.
- II-8. Write a note on basic needs approach.
କ୍ଷେତ୍ର ଅନ୍ତରକ୍ଷର ବିକାଶରେ ଯାଏ କାମକୁ କରିବାର.

SECTION - III ଭାଗ - III

III Answer any THREE of the following questions.

- ସତରିନ ଯେତୁଳାଦୟର ଜାମ କୃତ୍ୟାଗର ଲାଭ୍ୟୀ 3x5=15
- III-1. Describe the quality of life approach.
.. ନିରାଚାରୀତ ଜଗନ୍ମହାନ ମଧ୍ୟାନକରି କରିବାର.
 - III-2. Explain the characteristics of human resource management.
ମନୋନିବ ସଂଗ୍ରହିତ ନିର୍ଦ୍ଦେଶ କାର୍ଯ୍ୟ କରିବାର.
 - III-3. Explain the causes of health insecurity.
ଆମ୍ରାଦ୍ୟ ଅନୁରୂପ କାର୍ଯ୍ୟାନ୍ତ ବିବରିବା.

III-4. Explain the components of human development index.

தனித் தகுதி கணக்கைப் படிகரமாகியிருப்பதை விடுவா.

III-5. Explain the functions of human Resource management.

தனித் தகுதி நிபுத்தியை மூலமாகியிருப்பதை விடுவா.

SECTION - IV விடை - IV

IV. Answer the following.

சீர்வுகளை எழுவா.

IV-1. Explain the sustainable development goals.

சூழ அமைப்பை நிறைவேண்டுமென்று.

OR ஏதோ

Explain the functions of human resource development.
தனித் தகுதில் அமைப்பை கொண்டிருப்பதை விடுவா.

IV-2. Explain the objectives of human resource management
தனித் தகுதில் நிபுத்தியை உட்படுத்துவதை முன்று.

OR ஏதோ

Explain the human security
தனித் தகுதி கூறுக விடுவா.

ತ್ವತೀಯ ಸಮಿಸ್ಕರ್ಣ ಬಿ.ಸಿ.ಎ ಪದವ ಪರೀಕ್ಷೆ

జనవరి/ఫెబ్రవరి 2024

(ಸಿಟಿಸೆವರ್‌/ಎನ್‌ಇಂಫ್ ಸ್ಟೀಂ)

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ - 3

NBC 0010: ಮನುಜಮತ - 2

ಸಮಯ: 2 ಗಂಟೆಗಳು

[ಅಂಕಗಳು: 60]

వద్దార్థిగాలగే సూచనెగాలు:

1. බිජුත්‍රිගලු ප්‍රත්‍යේ සංඝ්‍යාචේලංදිග් ට්‍රඟාග සංඝ්‍යායනු පුදුවාටි බරෙයුස්කේ.
 2. ට්‍රඟාග සංඝ්‍යා මුතු ප්‍රත්‍යේ සංඝ්‍යාගල්ලද ලැංඡරගණනු මාලින්කරිසලාගුවුදිලි.
 3. ප්‍රත්‍යේ සංඝ්‍යාගලනු පුදුවාටි මාජ්‍යන්නා මාත්‍ර බරෙයුස්කේ.

એભાગ-I

I. ಸರಿಯಾದ ಉತ್ತರವನ್ನು, ಆಯ್ದು ಬರೆಯಿರಿ:

$$10 \times 1 = 10$$

- I - 1) 'ನಿನಗಲ್ಲ ಹುಗಲಿಲ್ಲ ಹಿಂತಿರುಗು ನಾಕಕ್ಕೆ' – ಈ ಸಾಲು ಯಾವ ಪದ್ಯದಲ್ಲಿ ಬರುತ್ತದೆ
 ಅ) ನಾವೆಲ್ಲರು ಒಂದೆ ಜಾತಿ ಆ) ಮಂಡಳಾ ಎಂಬ ಯೂನಿವರ್ಸಿಟಿಗೆ ಇ) ಸ್ಕ್ರೀ ದ್ವಾರದಿ ಯ್ಯಕ್ಕ ಪ್ರಶ್ನೆ ಈ) ನೇರಳು

I - 2) ಸಿದ್ಧಲಿಂಗಯ್ಯ ಅವರ 'ಹೊಲೆ ಮಾಡಿಗರ ಹಾಡು' ಕವನ ಸಂಕಲನ ಪ್ರಕಟವಾದ ವರ್ಷ
 ಅ) 1975 ಆ) 1985 ಇ) 1875 ಈ) 1995

I - 3) 'ಹುತಾತ್ಮನ ಹಿಂದೆ' ಕಥೆಯನ್ನು ಯಾವ ಸಂಕಲನದಿಂದ ಆಯ್ದುಕೊಳ್ಳಲಾಗಿದೆ.
 ಅ) ಯುದ್ಧ ಮತ್ತು ಶಾಂತಿ ಆ) ಮಾಡಿ ಮಡಿದವರು ಇ) ಸೃಜನ ಕುರುಕ್ಕೀತು ಈ) ಮುಖ್ಯ ಬೇರಿಯ ದಾಟ

I - 4) 'ಅಮೃತ ಮತಿಯ ಸ್ವರ್ಗ' ಕೃತಿಯ ಲೇಖಿಕರು ಯಾರು
 ಅ) ಎಚ್.ಎಸ್. ಅನುಪಮಾ ಆ) ಶಾಂತಾ ಇಂದ್ರಮಾರ್ತಿ ಇ) ಎಚ್.ಎಲ್. ಪುಷ್ಟಿ ಈ) ಎಂ.ಎಸ್. ಆಶಾದೇವಿ

I - 5) ಗೋಪಾಲಕೃಷ್ಣ ಅಡಿಗರ 'ಅನಾಧಿ' ಕೃತಿ ಯಾವ ಸಾಹಿತ್ಯ ಪ್ರಕಾರಕ್ಕೆ ಸೇರಿದ್ದು
 ಅ) ಕವನ ಆ) ಕಥೆ ಇ) ಮಹಾಕಾವ್ಯ ಈ) ಕಾದಂಬರಿ

I - 6) 'ಎನ್ನ ಚಿತ್ತವು ಅಶ್ವಿಯ ಹಣ್ಣು ನೋಡಯ್ಯ' ಎಂಬ ವಚನದ ಈ ಸಾಲು ಯಾರಾದು
 ಅ) ಜೀಡರ ದಾಸಿಮಯ್ಯ ಆ) ಬಸವಣ್ಣ ಇ) ಅಕ್ಕಮಹಾದೇವಿ ಈ) ಅಲ್ಲಮ ಪ್ರಥಮ

I - 7) 'ಪರಿಸರ ಕಥೆ' ಕೃತಿಯ ಕರ್ತೃ ಯಾರು
 ಅ) ಮೂರ್ಖಚಂದ್ರ ತೇజಸ್ಸಿ ಆ) ಕುವೆಂಪು ಇ) ನಾಗೀಶ್ ಹೆಗಡೆ ಈ) ಶಿವಾನಂದ ಕಳವೆ

I - 8) ನಿರಂಜನ ಅವರ 'ಬೇವು ಬೆಳ್ಳ' ಅಂಕಣ ಪ್ರಕಟವಾದ ಪತ್ರಿಕೆ
 ಅ) ಪ್ರಜಾವಾಣಿ ಆ) ಪ್ರಜಾಮತ ಇ) ಜನಶಕ್ತಿ ಈ) ಕರ್ಮಾಧಿಕಾರ ಮುಂದುವರೆದಿದೆ.....2

I - 9) 'ಇತ್ತಲ್ಲ ಪರ್ವ' ಎಂದರೆ _____

ಅ) ಬಿಡಿರನ ಗಡೆಕೆಗಳು

ಆ) ಕಟ್ಟಿನ ಗಡೆಕೆಗಳು

ಇ) ಹೋಳದ ಗಡೆಕೆಗಳು

ಈ) ಗರಿಕಯ ಗಡೆಕೆಗಳು

I - 10) "ನಿಂದೋಬ" ಯಾವ ರಾಜ್ಯದ ಅರಾಧ್ಯ ದ್ಯುವ

ಅ) ಕನಾರಟಕ

ಆ) ಕೇರಳ

ಇ) ಆಂಧ್ರ

ಈ) ಮಹಾರಾಜ್ಯ

ವಿಭಾಗ-II

II. ಇದು ವಿಷಯಗಳಗೆ ಉತ್ತರ ಬರೆಯಿರಿ:

$5 \times 3 = 15$

II - 1) ಸೋಮಶೇವಿರ್ ಇಮ್ಮಾಪುರ

II - 2) ನೆಲ್ಲನ್ ಮಂಡೇಲಾ

II - 3) ಹುತಾತ್ಮ ಶಿವು

II - 4) ಡಾ. ಸಿದ್ದಲಿಂಗಯ್ಯ

II - 5) ನೋಮ್ ಚೊಮಸ್ಕ್

II - 6) ಮುಳ್ಳಣಿ

II - 7) ಸಾಗುವಾನಿ ಮರ

II - 8) ಕುವೆಂಪು

ವಿಭಾಗ-III

III. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ನಿರ್ವಹಣೆ ಉತ್ತರ ಬರೆಯಿರಿ:

$3 \times 5 = 15$

III - 1) ಹಬ್ಬಗಳು ಅಥವ ಕಳಿದು ಹೊಳ್ಳುತ್ತಿರುವ ಬಗೆಯನ್ನು ಪರ್ಯಾದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಚರ್ಚಿಸಿ.

III - 2) ಮಗನನ್ನು ಕಳಿದುಹೊಂಡ ಬಾಗಮ್ಮನ ದುಃಖವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.

III - 3) ನೇರಳು ಕವನದ ಆಶಯವನ್ನು ವಿವರಿಸಿ.

III - 4) ಅಲ್ಲಮನ ಅರಿವಿನ ಪರಿಕಲ್ಪನೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

III - 5) 'ನಾವೆಲ್ಲರು ಒಂದೇ ಜಾತಿ' ಕವನದ ಸಂದೇಶವನ್ನು ಕುರಿತು ಚರ್ಚಿಸಿ.

ವಿಭಾಗ - IV

IV. ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ನಿರ್ವಹಣೆ ಉತ್ತರ ಬರೆಯಿರಿ:

$2 \times 10 = 20$

IV - 1) ಕನಾರಟಕ - ಮಹಾರಾಜ್ಯ ರಾಜ್ಯಗಳ ಸಾಂಸ್ಕೃತಿಕ ಸಾಮರಸ್ಯವನ್ನು ವಿವೇಚಿಸಿ.

ಅಥವಾ

'ಟಿರಸ್ಕರಣ' ಕಾದಂಬರಿಯ ಆಯ್ದು ಭಾಗದಲ್ಲಿ ವ್ಯಕ್ತವಾಗಿರುವ ಹೋರಾಟದ ಅಂತಸ್ಥವನ್ನು ಸ್ವಾಧೀನಿಸಿ.

IV - 2) ದೇಹ ಮತ್ತು ಮನಸ್ಸಿನ ಅರೋಗ್ಯವನ್ನು ಸುಧಾರಿಸುವಲ್ಲಿ ಶರಣರ ಚಿಂತನೆಗಳನ್ನು ವಿಶೇಷಿಸಿ.

ಅಥವಾ

ಪಾರೋತ್ತಿಯ ಬದುಕಿನ ಸಂಕಟಗಳನ್ನು ಕಢಿಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ.

Third Semester B.Com/B.B.A/BCA Degree Examinations

JANUARY/FEBRUARY 2024

NEP CHESS Scheme

SEC : NAC 9023 PAPER: FINANCIAL EDUCATION
AND INVESTMENT AWARENESS

Time (hrs)

Max. Marks: 25

Instructions to Students:

- 1) The students should legibly write section number along with question numbers.
 - 2) The answers without section number and question numbers will not be valued.
 - 3) The question numbers should be legibly written within the margin only.

નવીની કાળજી

- 1) విన్యాసాలలో అన్న సామాన్యమైని లేకుండా తప్పనిటి విచారణలు చేయాలి.
 - 2) ఏదొక కొండ నుండి సమయాల్పులు వివరించాలి. విభజనములు కొనిపోతాయి.
 - 3) కొండ సమయాల్పులు తప్పనిటి విచారణలు చేయాలి.

SECTION - I - 342 - 1

From the options provided: One mark each:

1. Select the most appropriate answer, from one of the following.

12. The features of production include

- 1) Four factors of production
உடைக்கூட வெடிய அனால் கொடுவதே?

 - Land
 - Labour
 - Capital
 - All of the above

விடைகள் காலைக் காலைக் காலைக் காலைக்

1 - 2) External factors influencing business are called as:
நுண்ணால் சீலி தூப்புச் சீலி வைக் அநீங்கி வைக் கோலி கோலி.

 - Macro Environment
 - Micro Environment
 - Benefits
 - Problems

விடைகள் முறைக் கருத்துக் கருத்துக் கருத்துக் கருத்துக்

As you have seen, following is the central bank of our country:

- Which of the following is not a Reserve Bank of India
 a) State Bank of India
 b) Reserve Bank of India
 c) Indian Bank
 d) None of the above

I - 4) Plan of action of a company expressed in financial terms
కిందా అభివృద్ధి సూచనల యొసులను వెంట ఉచ్చమైతు.

Cont'd 2

- | | |
|-------------------------------------|---|
| a) Budget
ಬಡೆಟ್ | b) P & L A/c
ಲಾಭ ನಷ್ಟ ಖಾತೆ |
| c) Balance Sheet
ಬ್ಯಾಲೆನ್ಸ್ ಟೀಟ್ | d) None of the above
ಮೇಲಿನ ಯಾವುದೂ ಅಲ್ಲ |

- I - 5) Markets that facilitate firms to raise required capital is called
 ಅಗತ್ಯವಿರುವ ಬಂಡವಾಳವನ್ನು ಸಂಗ್ರಹಿಸಲು ಅನುಕೂಲ ಮಾಡಿಕೊಡುವ ತಾಣವನ್ನು ದಿನೆಂದು ಕರೆಯುತ್ತಾರೆ.
- | | |
|--|---|
| a) Capital Market
ಬಂಡವಾಳ ಮಾರುಕಟ್ಟೆ | b) Online Market
ಜಾಲತಾಣ ಮಾರುಕಟ್ಟೆ |
| c) Transaction Market
ವರ್ವಿವಾಟ್ ಮಾರುಕಟ್ಟೆ | d) Import-Export Market
ಅಮದು - ರಹ್ಮು ಮಾರುಕಟ್ಟೆ |

SECTION - II ವಿಭಾಗ - II

II. Answer any TWO questions from the following: FIVE marks each:

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ: ತಲ್ಲಿ ವಾದು ಅಂತರೆ:

$2 \times 5 = 10$

- II - 1) Write a note on Debit Card and Credit Card.
 ಡೆಬಿಟ್ ಕಾರ್ಡ್ ಮತ್ತು ಕ್ರೆಡಿಟ್ ಕಾರ್ಡ್ ಕುರಿತು ಒಪ್ಪಣಿ ಬರೆಯಿರಿ.
- II - 2) Briefly explain Macro Economic factors that influence business.
 ವ್ಯಾಪಾರದ ಮೇಲೆ ಪ್ರಭಾವ ಬೇರುವ ಸೂಳಲ ಆರ್ಥಿಕ ಅಂಶಗಳನ್ನು ವಿವರಿಸಿ.
- II - 3) Briefly explain the types of bank accounts.
 ಬ್ಯಾಂಕ್ ಖಾತೆಗಳ ವಿಧಗಳನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ವಿವರಿಸಿ.
- II - 4) Briefly explain the need of financial statement analysis.
 ಹಣಕಾಸು ಪಟ್ಟಿಗಳ ವಿಶೇಷತೆಯ ಅಗತ್ಯತೆಯನ್ನು ವಿವರಿಸಿ.

SECTION - III ವಿಭಾಗ - III

III. Answer any ONE question from the following: TEN marks each

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ: ತಲ್ಲಿ ವಾತ್ತು ಅಂತರೆ:

$1 \times 10 = 10$

- III - 1) Briefly explain the need for banking.
 ಬ್ಯಾಂಕಿಂಗ್ ಸೇವೆಗಳ ಅಗತ್ಯತೆಗಳನ್ನು ವಿವರಿಸಿ.
- III - 2) What is Capital Market? Explain its significance.
 ಬಂಡವಾಳ ಮಾರುಕಟ್ಟೆ ಎಂದರೆ ಏನು? ಅದರ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿ.
- III - 3) What are Mutual funds? Explain their features.
 ಮೃಜುಯಲ್ ಘಂಡ್ ಎಂದರೇನು? ಅದರ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.

* * * * *

Third Semester B.C.A Degree Examinations
JANUARY/FEBRUARY 2024

(CBCS NEP Scheme)

NBC 0210 PAPER: DATABASE MANAGEMENT SYSTEMS (DBMS)

Time: 2 hrs]

[Max. Marks: 60]

Instructions to Students:

1. The students should legibly write Section number along with question numbers.
2. The answer without Section number and question numbers will not be valued.
3. The question numbers should be legibly written with in margin only.

SECTION - I

I. Select the most appropriate answer from the options provided:

$10 \times 1 = 10$

- I - 1) How many types of dbms architectures are there
- | | |
|------|------|
| a) 1 | b) 2 |
| c) 3 | d) 4 |
- I - 2) Request and responses are transformed using _____ between different database layers.
- | | |
|---------------|------------|
| a) Deflection | b) Taping |
| c) Reflection | d) Mapping |
- I - 3) An _____ is a set of entities of the same type that share the same properties or attributes.
- | | |
|-------------------|------------------|
| a) Entity set | b) Attribute set |
| c) Relational set | d) Entity model |
- I - 4) The attribute 'AGE' is calculated from date of birth the attributes 'age' is called _____
- | | |
|------------------|-----------------|
| a) Single valued | b) Multi valued |
| c) Composite | d) Derived |
- I - 5) Tables with rows and columns can be viewed as
- | | |
|---------------------|---------------------|
| a) Analytical model | b) Relational model |
| c) Composite model | d) Database model |

I - 6) _____ should be there in each attribute.

- a) key
- b) schema
- c) instance
- d) domain

I - 7) By normalizing relations or set of relations one minimizes _____

- a) Data
- b) Field
- c) Redundancy
- d) Database

I - 8) Can Boolean data type be used in function that are called from SQL statements

- a) Yes
- b) No
- c) Depends upon
- d) Invalid option

I - 9) Which of the following is not a PL/SQL unit

- a) Type
- b) Trigger
- c) Table
- d) Package

I - 10) What is the initial value of index for a reverse for loop

- a) Upper bound
- b) Lower bound
- c) 1
- d) $(\text{Upper bound} - \text{Lower bound})/2$

SECTION - II

II. Answer any FIVE of the following:

$5 \times 3 = 15$

II - 1) What is Schema? Explain its types.

II - 2) Explain the purpose of database approach.

II - 3) Explain the cardinality ratio of relationship.

II - 4) What do you mean by strong entity set? Give example.

II - 5) Explain any three aggregate function with syntax with an example.

II - 6) Explain structure of PL/SQL program and give example.

II - 7) Explain while loop and for loop with an example.

II - 8) Explain set operations on relations.

SECTION - III

III. Answer any THREE of the following:

- III - 1) Explain the applications of dbms. .
- III - 2) What is an attributes? Explain the different types of an attributes.
- III - 3) Explain the Join operations with an example.
- III - 4) Explain BCNF.
- III - 5) List out features and advantages of PL/SQL.

SECTION - IV

IV. Answer the following:

2 x 10 = 20

- VI - 1) a) Explain the classification of DBMS, and write a note on Database users. (10)

OR

- b) i) Explain the DML languages with its commands and examples.
- ii) With syntax explain function and procedure in PL/SQL with an example. (5 + 5)

- VI - 2) a) i) What are constraints? Explain any two of them.

- ii) Write a note on relational model concepts. (5 + 5)

OR

- b) i) Write an ER diagram for an employee database.
- ii) Explain different notation used in ER diagram. (5 + 5)

* * * * *

3 x 5 = 15
2 x 10 = 20
5 + 5 = 10

—
1004

1) programme to add two integer numbers on float when numbers are supplied, get a def user variable to calculate sum use function overriding.

Class Addition

```
{ public int add()
```

```
{ int a=10, b=30;  
return (a+b);
```

```
} public int add (int a, int b)  
{
```

```
return(a+b);
```

```
} public double add (double a, double b)  
{
```

```
return(a+b);
```

2) ~~public static void main (String args[])~~

```
{ addition o = new addition()  
System.out.println ("o.add()");  
System.out.println ("o.add (40.0)");  
System.out.println ("o.add (no.1,20.2));  
}
```

3)