

Reg. No.

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**BCAKAL 153/BSAKAL 153/BFDKAL 155/
BGDKAL 155/BIDKAL 155**

**Credit Based II Semester B.C.A./B.Sc. (Animation and Visual Effects) /
B.Sc. (Fashion Design) / B.Sc. (Garment Design) / B.Sc.
(Interior Design and Decoration) Examination, April/May 2017
(Common to All Batches) (New Scheme)**

**KANNADA LANGUAGE
Kannada/Advanced Kannada**

Time : 3 Hours

Max. Marks : 80

ಭಾಗ - 1 (ಕಾವ್ಯ)

I. ಅ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1×8=8)

- 1) "ವಿವೇಚನೆಯಿಲ್ಲದೆ ಕೈಗೊಳ್ಳುವ ಕಾರ್ಯ ಹಿತವನ್ನುಂಟು ಮಾಡುವುದಿಲ್ಲ"-ಈ ಮಾತನ್ನು ಕೈಕೆಯಿ ಪಾತ್ರದ ಮೂಲಕ ಸ್ಪಷ್ಟಪಡಿಸಿ.
- 2) ದಾಸಿಮಯ್ಯನ ವಚನಗಳಲ್ಲಿ ಕಂಡುಬರುವ ವಿಚಾರಗಳೇನು ? ವಿವರಿಸಿರಿ.

ಆ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1×5=5)

- 1) ಕೃಷ್ಣ ಈರುಳ್ಳಿಯನ್ನು ಸೃಷ್ಟಿ ಮಾಡಲು ಕಾರಣವೇನು ? ತಿಳಿಸಿರಿ.
- 2) ಹೆಣ್ಣಿನ ತವರಿನ ಹಂಬಲ ಜನಪದ ಗೀತೆಯಲ್ಲಿ ಹೇಗೆ ವ್ಯಕ್ತವಾಗಿದೆ ?

ಇ) ಎರಡಕ್ಕೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ : (2×3=6)

- 1) ಮಾಲತಿ ಪಟ್ಟಣಶೆಟ್ಟಿ
- 2) ಮಾನವನ ಆಸೆ
- 3) ಅಪರಾಜಿತೆ.

II. ಅ) ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ, ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿರಿ. (1×5=5)

- 1) ಏನನಿದಂ ನೆನೆದೈ ಸುತ
ಕಾನನಮಂ ಪೋಗಿ ಪೊಕ್ಕು ಮಂಗಳಗೀತ
ಧ್ವಾನಮಿರೆ ಸಿಂಹಶರಭ
ಧ್ವಾನಮನಾಲಿಸುವ ಮಹಿಮೆಗರ್ತಿಗನಾದೈ

P.T.O.

2) ಬಂದ ಸುಖವನು ಬಿಡದೆ ಬರದುದ ಬೇಕೆನದೆ
ದಂದುಗಂ ಬಿಡದೆ ಮನದೆಚ್ಚರವ ಬಿಡದೆ
ಸಂದುದನದೇಕೆನದೆ ಮುಂದದೇಂ ಗತಿಯೆನದೆ
ಹೊಂದಿಕೊಳೊ ಬಂದುದಕೆ-ಮರುಳ ಮುನಿಯ.

ಅ) ಎರಡು ಸಾಲುಗಳಿಗೆ ಸಂದರ್ಭ ಸೂಚಿಸಿ, ಸ್ವಾರಸ್ಯವನ್ನು ವಿಶದಪಡಿಸಿರಿ. (2x3=6)

- 1) ಕತ್ತೆ ಬಲ್ಲದೇ ಕತ್ತೂರಿಯ ವಾಸನೆಯ
- 2) ಸುಗುಣಂ ಮಾನಕಷಾಯಕ್ಕೆ ತಕ್ಕನೆಡೆಗೊಟ್ಟಪನೇ ?
- 3) ನನ್ನ ಜಡೆಮುಡಿ ಕಟ್ಟುವ ಕನಸು ನನಸಾಗದಿಲ್ಲ.

III. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಪ್ರತಿಯೊಂದಕ್ಕೂ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. (5x1=5)

- 1) ದಾಸಿಮಯ್ಯನ ವೃತ್ತಿ ಯಾವುದು ?
- 2) ಪಾಂಡವರು ಅಜ್ಞಾತವಾಸವನ್ನು ಪೂರೈಸಿದ್ದು ಎಲ್ಲಿ ?
- 3) ಚಿ. ಉದಯಶಂಕರ್ ಅವರನ್ನು 'ಕನ್ನಡದ ಕಣ್ಣದಾಸನ್' ಎಂದು ಕರೆದವರು ಯಾರು ?
- 4) 'ಸೂರ್ಯ ಮುಳುಗುವುದಿಲ್ಲ' - ಇದು ಯಾರ ಕೃತಿ ?
- 5) ನಾಗಚಂದ್ರನ ಜನ್ಮಸ್ಥಳ ಯಾವುದು ?

ಭಾಗ - 2 (ಗದ್ಯ)

IV. ಅ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1x8=8)

- 1) ಜಲಪ್ರೇತ ಹಾಗೂ ಕಾರಂತರ ಸಂಭಾಷಣೆಯ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ.
- 2) ಭಾರತೀಯ ಮನಸ್ಸಿನ ಆಧ್ಯಾತ್ಮದ ನಿತ್ಯಸತ್ಯವನ್ನು ತೋಳಾಡಿಯವರು ಹೇಗೆ ಪರಿಚಯಿಸಿದ್ದಾರೆ ? ವಿವರಿಸಿ.

ಆ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1x8=8)

- 1) ಪುರುಷ ದಾರ್ಜಿಲಿಂಗದ ವಿರುದ್ಧ ಹೋರಾಟ ನಡೆಸಿದ ಭವೀದೇವಿಯವರ ವ್ಯಕ್ತಿತ್ವವನ್ನು ಚಿತ್ರಿಸಿರಿ.
- 2) ನಾ. ಡಿಸೋಜರ ಪ್ರಕೃತಿ ಪ್ರೇಮವನ್ನು ವಿವೇಚಿಸಿರಿ.

V. ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1x5=5)

- 1) ಏಣಿಗೆ ಬಾಳಪ್ಪನವರ ವ್ಯಕ್ತಿತ್ವವನ್ನು ಪರಿಚಯಿಸಿರಿ.
- 2) ಗಾಂಧೀಜಿಯವರು ಆರಂಭಿಕ ಹಂತದಲ್ಲಿ ಮೈಗೂಡಿಸಿಕೊಂಡ ಅಂಶಗಳು ಯಾವುವು ?

VI. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. (4x1=4)

- 1) ಕೊಡೈಕನಾಲಿನಲ್ಲಿ 12 ವರ್ಷಗಳಿಗೊಮ್ಮೆ ಅರಳುವ ಹೂವು ಯಾವುದು ?
- 2) ವೇದವ್ಯಾಸರ ತಾಯಿ ಯಾರು ?
- 3) 'ಜೋಗಿ'ಯವರ ನಿಜ ನಾಮಧೇಯವೇನು ?
- 4) 'ಈಗೇನ್ ಮಾಡಿರಿ' - ಇದು ಯಾರ ಆತ್ಮಕಥೆ ?

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ಭಾಗ - 3 (ನಾಟಕ)

VII. ಅ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1×8=8)

- 1) ವಿಶ್ವಾಮಿತ್ರನನ್ನು ವಸಿಷ್ಠರು ಬ್ರಹ್ಮರ್ಷಿಯೆಂದು ಒಪ್ಪಿಕೊಂಡ ಸಂದರ್ಭದ ಹಿನ್ನೆಲೆಯನ್ನು ವಿವರಿಸಿರಿ.
- 2) ಅಂಧಕನ ಸಾವು ಹೇಗಾಯಿತು ? ವಿವರಿಸಿರಿ.

ಆ) ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ. (1×6=6)

- 1) ಶುನಶ್ಯೇಫನ ಘಾತ್ರವನ್ನು ಪರಿಚಯಿಸಿರಿ.
- 2) ಹರಿಶ್ಚಂದ್ರನಿಗೆ ಜಲೋದರ ರೋಗ ಬರಲು ಕಾರಣವೇನು ? ಅದು ಪರಿಹಾರವಾದ ಬಗೆ ಹೇಗೆ ? ತಿಳಿಸಿರಿ.

VIII. ಎರಡು ವಾಕ್ಯಗಳಿಗೆ ಸಂದರ್ಭ ಸೂಚಿಸಿ, ಸ್ವಾರಸ್ಯವನ್ನು ವಿಶದಪಡಿಸಿರಿ. (2×2=4)

- 1) ಇಡೀ ಆಶ್ರಮದ ನೈತಿಕತೆಯ ಪ್ರಶ್ನೆ ಇಲ್ಲಿದೆ.
- 2) ನಾನೀಗ ವರುಣನ ಸ್ವತ್ತು.
- 3) ಪಶುಘಾತವಾಗದೆ ಯಜ್ಞ ಸಮಾಪ್ತಿಯಾಗಬೇಕು.

IX. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. (2×1=2)

- 1) ಗೋತ್ರ ಪ್ರವರ್ತಕನೆಂದು ಯಾರನ್ನು ಕರೆಯುತ್ತಾರೆ ?
 - 2) ತ್ರಿಶಂಕು ಕುಮಾರ ಯಾರು ?
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Credit Based II Semester B.C.A./B.B.A./B.B.M./B.H.M./B.Sc. (HS)/B.Sc. (FD)/
B.Sc. (GD)/B.Sc. (LD)/B.Sc. (ID &D)/B.A. (Security and Detective Science)
Examination, April/May 2017
(2014-15 Batch)

ENGLISH

General Proficiency and Communicative English

Time : 3 Hours

Max. Marks : 80

SECTION – A
(Prose)

- I. Answer **any one** of the following in **not more than 2** pages. 10
- 1) Describe the hot springs of Newzealand. How did the Maori's use them to their advantage ?
 - 2) What were the problems that Brooker T. Washington had to face in order to find a place in the new school ?
 - 3) What did Micheal do to satisfy his longing to do things that had never been done before ? Explain.
 - 4) Who is Mihir Sen ? What are the problems he over came to achieve his goal ?
- II. Answer **any two** of the following in **not more than a page each** : (2×5=10)
- 1) Why did the animals in the forest ask the 'Owl' to be their leader ?
 - 2) Explain the golden opportunity that Hari received due to his association with Swaraj Bhavan.
 - 3) What efforts did Stephen Leacock take to remind Todd of the dollar ?
 - 4) What was 'the crowning hour of an exacting venture' mentioned in 'Operation Indian Ocean' ?
- III. Do as directed :
- 1) Choose the synonym of the underlined word from the words given below **each** sentence : (2×1=2)
 - a) The sidewalk was considerably elevated.
i) damaged ii) raised' iii) low
 - b) The good odours made them hungry.
i) smell ii) food iii) environment

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- 2) Fill in the blanks with the antonym of the underlined word : (2x1=2)
- a) He helped his father in loading and _____ goods.
 - b) There were _____ and laughter when people finally saw Mihir Sen reach Dhanushkodi.
- 3) Fill in the blanks with the appropriate word from those given in brackets : (2x1=2)
- a) He is the rightful _____ to the throne. (air, heir)
 - b) My mother was very _____ at that time. (week, weak)
- 4) Write **one** word substitutes for the following : (2x1=2)
- a) Song of praise to God.
 - b) Animals that creep or crawl.
- 5) Fill in the blanks with the appropriate idiom and phrase from those given in brackets : (2x1=2)
- a) The strikes in the factory made the manager _____
 - b) Do you know who I _____ yesterday ?
(Give up, bumped into, lose his head, look out)

SECTION – B
(Poetry)

- IV. Answer **any one** of the following in **not** more than **2** pages : 10
- 1) Why was the well of ST. Keyne known to every wife in the west country ?
What is the mystery behind the well ?
 - 2) What is the advise the father gives his son in the poem 'If' in order to be a "man" ?
 - 3) In what context does James Honeyman say "I'll be famous before I die" ?
Explain.
 - 4) "The time at last, has come to visit you", says the ascetic". Why was that the
right time for him to visit the dancing girl ? Explain.
- V. Annotate **any two** of the following :
- 1) I hastened as soon as the wedding was done
And left my wife in the porch;
But faith she had been wiser than me
For she took a bottle to church.
 - a) Who hastened soon after the wedding ? 1
 - b) Why did he leave his wife on the porch ? 2
 - c) What was in the bottle and why did she take it to the church ? 2

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- 2) If you can talk with crowds and keep your virtue,
Or walk with kings – nor lose the common touch,
If neither foes nor loving friends can hurt you,
If all men count with you, but none too much :
- a) Who is the speaker talking to ? 1
b) Comment on the first line. 2
c) What is the speaker's advice ? 2
- 3) It was the dancing girl, starred with jewels,
Clouded with a pale blue mantle, drunk
With the wine of her youth.
- a) Where was the dancing girl ? 1
b) How is the dancing girl described ? 2
c) Describe the metaphor "drunk with the wine of her youth". 2
- 4) I watched the flame feeding on my mother
I watched the holyman perform his rites to tame the Poison with an incantation.
After twenty four hours it lost its sting.
- a) Who is 'I' in the first line ? 1
b) Why was the holyman called ? 2
c) When did the mother find relief and how did she react ? 2

SECTION – C
(Grammar)

VI. Do as directed :

- 1) Fill in the blanks with the appropriate countable/uncountable nouns : (2×1=2)
a) John Keats is well known for his _____ (Poetry, Poetries)
b) I went to the shop to buy _____ (Stationary, Stationaries)
- 2) Name the parts of speech of the underlined words given in the sentences below : (2×1=2)
a) The plane flew above the clouds.
b) Give me some water.
- 3) Fill in the blanks with appropriate prepositions/prepositional phrase : (2×1=2)
a) I went to Delhi _____ attend a Seminar.
(in order to, instead of)
b) Have you got anything to cut it _____ ?
(on, with)



- 4) Punctuate the following sentence using the necessary punctuation marks. 5
Use capital letter wherever necessary.
what a lovely garden radha exclaimed
- 5) Combine the sentences using correlative conjunction : (2x1=2)
a) He ate chocolates. He ate ice cream. (not only ... but also)
b) The tiger appeared. He shot it down. (no sooner ... than)
- 6) Rewrite the sentence using introductory "It". 1
a) To argue any more is useless.
- 7) Rewrite the sentence using introductory "there". 1
a) No one was nearby to help her.
- 8) Fill in the blanks with the appropriate word from the brackets : (2x1=2)
a) _____ of the shops are open. (no, none)
b) There is so _____ work to be done. (many, much)
- 9) Fill in the blanks with the conversational equivalent of the time given : 1
a) The dance will commence at _____ (11.40)
- OR
- Fill in the blanks with please, thank you, sorry :
We can do with a little help _____
- 10) Rewrite the following sentences after deleting the redundant words in them : (2x1=2)
a) Please return back my book tommorrow.
b) They presented the actual facts.

SECTION – D
(Writing Skills)

- VII. A) Write a paragraph of **100 words** on the following guidelines. Underline the topic sentence : 5
1) Who is your role model ? (Why he/she is the best/why is it you want to emulate him/her)
- OR
- B) Write a dialogue of **10 sentences** on **any one** of the following :
1) A dialogue between two friends who are meeting after 10 years.
2) Between two maidservants discussing their salary and nature of work.
- VIII. Draft an advertisement within a frame with USP and slogan : 5
(Indicate picture and logo)
Lakme is launching a new beauty soap.
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Credit Based II Semester B.C.A./B.H.M./B.Sc.(HS)/B.Sc. (FD)/ B.Sc.
(ID &D)/ B.A. (Security and Detective Science)/B.Sc. (Animation and
Visual Effects) Examination, April/May 2017

ENGLISH

General Proficiency and Communicative English
(2013 – 14 and earlier batches)

Time : 3 Hours

Max. Marks : 80

SECTION – A

- I. Answer **any three** of the following in **not** more than **two** pages : (3×10=30)
- 1) How does the story 'The Refugees' portray Chinese life vividly ?
 - 2) Why do the Bishop and the Headmaster decide to paint the statue ? What are its consequences ?
 - 3) How did the astrologer's forecast come true in Velan's life ?
 - 4) What are your impressions of 'The Man with the Scar' ?
 - 5) How did Seymon's presence of mind help to avert a major accident ?
 - 6) Attempt a character sketch of young Gillian.

SECTION – B

- II. Answer **any five** of the following in **not** more than a page **each** : (5×4=20)
- 1) Narrate the circumstances that lead Velan to settle in Malgudi.
 - 2) Write a paragraph on the attachment the old refugee had towards his land.
 - 3) How does 'The Accompanist' depict the conflicting thoughts that pass through the mind of a young tampura player ?

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- 4) What were the sufferings that the boys and their sister had to pass through during the war ?
- 5) Why did the General allow the man with the scar to be set free ?
- 6) Why was Vasily punished by the chief ?
- 7) What was the story that the bacteriologist told his wife ?
- 8) How did luck help Scoresby to defeat the Russian army ?

SECTION – C

- III. A) Fill in the blanks choosing the correct word given in brackets : ($\frac{1}{2} \times 6 = 3$)
- 1) The _____ of Mysore is worth watching. (scenery/sceneries)
 - 2) The medicine had no _____ on the patient. (affect/effect)
 - 3) _____ singing, she knows dancing. (beside/besides)
 - 4) His spectacles _____ very attractive. (is/are)
 - 5) Small pox is a terrible _____ (decease/disease)
 - 6) We have ordered a lot of _____ for the factory. (machinery/machineries)
- B) Fill in the blanks with the **right** form of the words given in brackets : ($\frac{1}{2} \times 6 = 3$)
- 1) The customers waited _____ (patience).
 - 2) He exclaimed with _____ delight. (child)
 - 3) The patient expressed his _____ (helpless).
 - 4) It is worse than being a _____ (crime).
 - 5) The captain was quite _____ (confidence).
 - 6) He wanted to be rid of an unwanted _____ (responsible).
- C) Choose the most appropriate prepositional phrase and fill in the blanks. ($1 \times 5 = 5$)
(on behalf of, in front of, in order to, of great promise, to make up for)
- 1) We went to Delhi _____ attend a conference.
 - 2) _____ the students union, I thank you most heartily.
 - 3) He is a young man _____.
 - 4) He is trying _____ the lost time.
 - 5) She was standing _____ the mirror.

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D) Match the following with appropriate idioms to complete the sentences : (1×5=5)

A

- 1) The student was let off
- 2) He took over
- 3) We carry out
- 4) He put on
- 5) My friend wants to give up

B

- studies and take up a job
- the orders of our principal
- the charge of his office
- after the enquiry
- an air of superiority

E) 1) Rewrite the following sentences with the preparatory "It". (½×3=1½)

- 1) To practice what one preaches is not easy.
- 2) To deceive your friend is disgraceful.
- 3) Whether it rains or not does not matter.

2) Use the introductory "there" and rewrite the following sentences : (½×3=1½)

- 1) Two elephants were grazing in the fields.
- 2) A warm friendship grew between them.
- 3) A few books lay on the table.

F) Rewrite the following sentences as directed : (1×5=5)

- 1) Murthy is not intelligent. He is not industrious.
(Rewrite using 'neither ... nor')
- 2) Dr. Radhakrishnan was a great teacher. He was a great philosopher. (Use
'not only ... but also')
- 3) As soon as the teacher entered the classroom, the students stood up.
(Use 'No sooner... than')
- 4) If you don't tell me the truth, I can't help you. (Rewrite using 'Unless')
- 5) She is not only pretty but also clever. (Begin with 'Besides')



($\frac{1}{2} \times 6 = 3$)

G) Do as directed :

1) Pick the right expression as per the situation :

Excuse me/hello/I am sorry

- i) You regret for having fought with your friend
- ii) Acknowledge other when walking by

2) i) Mention the time in words : 9. 15

ii) Express in figures : Ten minutes to eight

3) Write the date in words.

i) 1998

ii) 50 B. C.

4) 1) Rewrite the following sentences after changing the underlined word :

($\frac{1}{2} \times 3 = 1 \frac{1}{2}$)

i) I don't know nothing.

ii) That clock is no right.

iii) They have risen his salary by 10 percent.

2) Delete the redundant expressions and rewrite the following sentences :

($\frac{1}{2} \times 3 = 1 \frac{1}{2}$)

i) Will they refund back the money ?

ii) The train departs at 6 a.m. in the morning.

iii) The car broke down and we had to walk the rest of the way on foot.

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BCACAC 156

**Credit Based Second Semester B.C.A. Degree Examination, April/May 2017
(New Syllabus – Common to All Batches)
BASICS OF NETWORKING**

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions from Part – A and one full question from each Unit in Part – B.

PART – A

1. a) Define Networking.
- b) Differentiate Bandwidth and Throughput.
- c) List different types of connectors used with coaxial cables.
- d) What is Network protocol ?
- e) Define anycasting.
- f) Differentiate TCP and UDP.
- g) Expand i) ISDN ii) HDLC.
- h) Differentiate local bridge and remote bridge.
 - i) What is gateway ? List different types of gateways.
 - j) What is peer-to-peer connection ?
- k) What is user account ? List different type of user accounts in Windows 2000.
- l) Mention the use of zone files. **(10×2=20)**

PART – B

UNIT – I

2. a) Explain the hardware components of Networking.
- b) Explain OSI reference model with block diagram.
- c) Explain Star Topology with diagram. List the advantages and disadvantages of Star Topology. **(4+6+5)**

P.T.O.



3. a) Explain different layers of TCP/IP reference model.
- b) Explain the benefits offered by WLANs over conventional LANs.
- c) Explain Bus Topology with diagram. List the advantages and disadvantages of Bus Topology. (5+5+5)

UNIT – II

4. a) Explain the features of ARCNet.
- b) Explain different classes of IP addresses.
- c) Mention the features, advantages and disadvantages of POP. (4+6+5)
5. a) Explain the working of FDDI. Mention its advantages and disadvantages.
- b) Explain IPX/SPX Addressing.
- c) Explain the features of IMAP. (5+5+5)

UNIT – III

6. a) List and explain the differences between LAN and WAN technologies.
- b) Explain Switched56 with diagram. List its advantages and disadvantages.
- c) Explain ATM with diagram. (6+5+4)
7. a) Explain the working of transparent bridge with block diagram.
- b) Write a note on VSAT communication.
- c) Explain Point-to-Point protocol. (5+5+5)

UNIT – IV

8. a) Explain the features of Windows 2000 Server.
- b) List the steps of sharing a File in Windows 2000.
- c) Explain the working of DNS with diagram. (5+5+5)
9. a) Differentiate Windows 2000 Server and Novell Netware.
- b) Explain different phases of leasing an IP address in DHCP with diagram.
- c) List the steps to configure DNS server. (4+7+4)

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BCACAC 157

**Credit Based Second Semester B.C.A. Degree Examination, April/May 2017
(New Syllabus – Common to all Batches)**

OBJECT ORIENTED PROGRAMMING USING C++

Time : 3 Hours

Max. Marks : 80

Note : Answer **any ten** questions from Part – A and **one full** question from **each** Unit of Part – B.

PART – A

(10×2=20)

1. a) Differentiate between break and continue statements in C++.
- b) Define Encapsulation.
- c) How do you define member function outside the class ? Give example.
- d) Illustrate the use of setw and setprecision manipulators.
- e) What is a destructor ? Give example.
- f) List the C++ operators that can't be overloaded.
- g) Give the general form of derived class declaration.
- h) What is late binding ?
- i) What is an abstract class ?
- j) How the ambiguity in multiple inheritance can be resolved ?
- k) What are default arguments ?
- l) Give the significance of 'protected' access specifiers.

PART – B

Unit – I

2. a) List the features of object oriented programming.
- b) Explain different forms of if statements with syntax and example.
- c) Explain the basic data types in C++ with examples.

(5+5+5)

P.T.O.



3. a) What are symbolic constants ? Explain the various methods of defining symbolic constant in C++.
- b) What are the advantages of object oriented programming ? Explain.
- c) Explain any two loop control structures with syntax and example. (5+5+5)

Unit – II

4. a) Explain static data members and static member functions with example.
- b) What are inline functions ? How are they useful ?
- c) Write a program to add and subtract two complex numbers using friend function. (6+4+5)
5. a) Explain the concept of function overloading with suitable example.
- b) Explain any four Mathematical functions with example.
- c) Explain the concept of array of objects with example. (6+4+5)

Unit – III

6. a) What are the characteristics of a constructor ?
- b) How to overload a unary operator ? Explain with an example.
- c) Explain nesting of member functions with example. (5+5+5)
7. a) How to define conversion function for class to basic type conversion ? Explain with an example.
- b) Write a note on : i) copy constructor ii) parameterized constructor.
- c) Write a C++ program to compare two strings using operator overloading techniques. (5+5+5)

Unit – IV

8. a) Write a note on constructors in derived class.
- b) Explain hierarchical inheritance with example.
- c) List any five rules used with virtual function. (5+5+5)
9. a) What is 'this' pointer ? Explain its importance in C++ with example.
- b) Explain private and public mode of inheritance with syntax and example.
- c) What is pure virtual function ? How is it different from normal function ? (4+6+5)

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BCACAC 158

**Credit Based Second Semester B.C.A. Degree
Examination, April/May 2017
(New Syllabus – Common to all Batches)
DATABASE CONCEPTS AND ORACLE**

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions from Part – A and any one full question from each Unit of Part – B.

PART – A

1. a) What is Metadata and System catalog ? (10×2=20)
- b) Define key attribute.
- c) What is a derived attribute ?
- d) What is a superkey ?
- e) What is the degree of a relation ?
- f) What is Normalization ?
- g) What is a dual table ?
- h) List any two aggregate functions with example.
- i) Give the Syntax of DELETE command.
- j) What is the difference between Function and Stored Procedure ?
- k) List any two advantages of PL/SQL.
- l) Write any two uses of package.

P.T.O.



PART – B

Unit – I

2. a) What are the responsibilities of a Database Administrator ?
b) List and explain the different categories of End users.
c) Explain the three schema architecture of DBMS with diagram. (5+5+5)
3. a) Explain the different types of attributes.
b) What is data independence ? Explain.
c) Compare DBMS approach over traditional file oriented system. (5+5+5)

Unit – II

4. a) Explain the three basic UPDATE operations on relation.
b) Write a note on internal hashing.
c) Explain the mechanism used to read data from or write data to the disk. (5+5+5)
5. a) What are the main goals of raid Technology ? How does it achieve it ?
b) Explain entity integrity and referential integrity constraints.
c) Explain 1NF and 2NF with example. (5+5+5)

Unit – III

6. a) Explain pattern matching and range searching predicates in SQL with example.
b) Explain with example any five string functions in SQL.
c) What is subquery ? Explain with example. (5+5+5)
7. a) Create a table STUDENT(REGNO, NAME, MARKS1, MARKS2, MARKS3)
Write the queries for the following.
i) Display the structure of the table
ii) List all the students whose MARKS1 between 45 and 60
iii) Add a column total and average to the above table
iv) Calculate TOTAL and update to the table.
b) List and explain any five clauses used in SELECT statement in SQL.
c) List and explain five data types in Oracle. (5+5+5)



Unit – IV

8. a) Explain with syntax and example how a trigger is created and executed in PL/SQL.
- b) List and explain any five named exceptions in Oracle.
- c) What is a cursor ? Explain the steps involved in declaring a cursor and manipulating data in the active set. **(5+5+5)**
9. a) Explain the PL/SQL program structure with example.
- b) With syntax and example explain how procedure is created in PL/SQL.
- c) Explain the if...endif statement in PL/SQL with example. **(5+5+5)**
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