



34201

**II Semester B.Sc./B.C.A. Degree Examinations,
September/October 2022**

(NEP – 2020 – New Scheme)

ಕನ್ನಡ ಭಾಷೆ

ಕನ್ನಡ ಶ್ರಾವಣ - 2

Time : 2 Hours

Max. Marks : 60

I. ಕೆಳಗಿನ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ :

(5 × 2 = 10)

1. ಯೇಗ್ಡಾಗೆಲ್ಲಾ ಐತೆ ಕತೆಯಲ್ಲಿ ಹೇಳಿರುವಂತೆ ದಸರತ ಮತ್ತು ಆತನ ಮಕ್ಕಳ ವರ್ಣನೆ ಹೇಗಿದೆ?
2. 'ಬದುಕು ಜಟಕಾಬಂಡಿ' ಎನ್ನುವ ಮೂಲಕ ನಮ್ಮ ಬದುಕನ್ನು ಡಿ.ವಿ.ಜಿ.ಯವರು ವಿವರಿಸಿದ ಬಗೆ ಹೇಗೆ?
3. ಮೇರಿ ಲವೋಸಿಯರ್ ಯಾರು? ಅವರ ಸಾಧನೆಯೇನು?
4. ತಿರುಕನು ಕಂಡ ಕನಸಿನಲ್ಲಿ ಆನೆಯು ಯಾರ ಕೊರಳಿಗೆ ಹಾರವನ್ನು ಹಾಕಿತು? ಅದರಿಂದಾದ ಪ್ರಯೋಜನವೇನು?
5. ಶ್ರಾವಣದ ಗಣಪತಿಯನ್ನು ಕವಿ ಕಣವಿಯವರು ಹೇಗೆ ವರ್ಣಿಸಿದ್ದಾರೆ?
6. ಕಲಾಂ ತಿಳಿಸಿರುವಂತೆ ಮಾನವನ ಜೀವಿತಾವದಿಯ ವಿವಿಧ ಹಂತಗಳಾವುವು?

II. ಕೆಳಗಿನ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ :

(4 × 5 = 20)

1. ಶಾಲಾ ಇನ್‌ಸ್ಟ್ರಕ್ಟರ್ ರಂಗಣ್ಣನವರಿಗೆ ಕಂಡ ಮೇಷ್ಟ್ರು ರಂಗಪ್ಪನ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.
2. ತಿರುಕನು ನೆಡೆಸಿದ ರಾಜ ವೈಭವವನ್ನು ಚಿತ್ರಿಸಿ.
3. ಯು.ಆರ್. ಅನಂತಮೂರ್ತಿಯವರ 'ಮತ್ತೆ ಮಳೆ ಹೊಯ್ಯುತ್ತಿದೆ'. ಕವಿತೆಯ ಆಶಯವೇನು?
4. ವಿದ್ಯುನ್ಮಾನ ಕಂದಕ ಅಂದರೆ ಏನು?
5. ಸಿರಿಯಜ್ಜಿಯ ಕಾವ್ಯದಲ್ಲಿ ವ್ಯಕ್ತವಾಗಿರುವ ಮಳೆಯ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿ.



34201

(3 × 10 = 30)

III. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ :

1. ಕನಸು ಕಾಣುವ ಮೂಲಕ ಜೀವನದಲ್ಲಿ ಅದ್ಭುತ ಶಕ್ತಿ ಪಡೆಯಿರಿ ಎಂಬುದನ್ನು ಕಲಾಂರವರು ಹೇಗೆ ತಿಳಿಸಿದ್ದಾರೆ?
2. ನಿಷ್ಠೆ ಶ್ರದ್ಧೆಗಳೇ ಮಾನವನ ಬದುಕಿನಲ್ಲಿ ಶ್ರೇಷ್ಠ ಎಂಬುದನ್ನು ಎಚ್. ನರಸಿಂಹಯ್ಯನವರ ಮಾತುಗಳಲ್ಲಿ ವಿವರಿಸಿ.
3. ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳು ಮನುಷ್ಯನ ವರ್ತನೆಗಳನ್ನು ಹೇಗೆ ಬದಲಿಸುತ್ತವೆ ಎಂಬುದನ್ನು ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ.
4. ಧನಿಯರ ಸತ್ಯ ನಾರಾಯಣ ಕಥೆಯಲ್ಲಿ ಶೋಷಿತ ವರ್ಗದವರ ಪ್ರತಿಭಟನೆಯು ವ್ಯಕ್ತವಾಗಿರುವ ಬಗೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.



34201

**II Semester B.Sc./B.C.A. Degree Examinations,
September/October 2022
(NEP - 2020 - New Scheme)**

ಕನ್ನಡ ಭಾಷೆ

ಕನ್ನಡ ಶ್ರಾವಣ - 2

Time : 2 Hours

Max. Marks : 60

I. ಕೆಳಗಿನ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ :

(5 × 2 = 10)

1. ಯೇಗ್ವಾಗೆಲ್ಲಾ ಐತೆ ಕತೆಯಲ್ಲಿ ಹೇಳಿರುವಂತೆ ದಸರತ ಮತ್ತು ಆತನ ಮಕ್ಕಳ ವರ್ಣನೆ ಹೇಗಿದೆ?
2. 'ಬದುಕು ಜಟಿಲಾಬಂಡಿ' ಎನ್ನುವ ಮೂಲಕ ನಮ್ಮ ಬದುಕನ್ನು ಡಿ.ವಿ.ಜಿ.ಯವರು ವಿವರಿಸಿದ ಬಗೆ ಹೇಗೆ?
3. ಮೇರಿ ಲವೋಸಿಯರ್ ಯಾರು? ಅವರ ಸಾಧನೆಯೇನು?
4. ತಿರುಕನು ಕಂಡ ಕನಸಿನಲ್ಲಿ ಆನೆಯು ಯಾರ ಕೊರಳಿಗೆ ಹಾರವನ್ನು ಹಾಕಿತು? ಅದರಿಂದಾದ ಪ್ರಯೋಜನವೇನು?
5. ಶ್ರಾವಣದ ಗಣಪತಿಯನ್ನು ಕವಿ ಕಣವಿಯವರು ಹೇಗೆ ವರ್ಣಿಸಿದ್ದಾರೆ?
6. ಕಲಾಂ ತಿಳಿಸಿರುವಂತೆ ಮಾನವನ ಜೀವಿತಾವಧಿಯ ವಿವಿಧ ಹಂತಗಳಾವುವು?

II. ಕೆಳಗಿನ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ :

(4 × 5 = 20)

1. ಶಾಲಾ ಇನ್‌ಸ್ಟ್ರಕ್ಟರ್ ರಂಗಣ್ಣನವರಿಗೆ ಕಂಡ ಮೇಷ್ಟ್ರು ರಂಗಪ್ಪನ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.
2. ತಿರುಕನು ನೆಡೆಸಿದ ರಾಜ ವೈಭವವನ್ನು ಚಿತ್ರಿಸಿ.
3. ಯು.ಆರ್. ಅನಂತಮೂರ್ತಿಯವರ 'ಮತ್ತೆ ಮಳೆ ಹೊಯ್ದುತಿದೆ'. ಕವಿತೆಯ ಆಶಯವೇನು?
4. ವಿದ್ಯುನ್ಮಾನ ಕಂದಕ ಅಂದರೆ ಏನು?
5. ಸಿರಿಯಜ್ಜಿಯ ಕಾವ್ಯದಲ್ಲಿ ವ್ಯಕ್ತವಾಗಿರುವ ಮಳೆಯ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿ.

34201



(3 × 10 = 30)

III. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ :

1. ಕನಸು ಕಾಣುವ ಮೂಲಕ ಜೀವನದಲ್ಲಿ ಅದ್ಭುತ ಶಕ್ತಿ ಪಡೆಯಿರಿ ಎಂಬುದನ್ನು ಕಲಾಂರವರು ಹೇಗೆ ತಿಳಿಸಿದ್ದಾರೆ?
2. ನಿಷ್ಠೆ ಶ್ರದ್ಧೆಗಳೇ ಮಾನವನ ಬದುಕಿನಲ್ಲಿ ಶ್ರೇಷ್ಠ ಎಂಬುದನ್ನು ಎಚ್. ನರಸಿಂಹಯ್ಯನವರ ಮಾತುಗಳಲ್ಲಿ ವಿವರಿಸಿ.
3. ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳು ಮನುಷ್ಯನ ವರ್ತನೆಗಳನ್ನು ಹೇಗೆ ಬದಲಿಸುತ್ತವೆ ಎಂಬುದನ್ನು ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ.
4. ಧನಿಯರ ಸತ್ಯ ನಾರಾಯಣ ಕಥೆಯಲ್ಲಿ ಶೋಷಿತ ವರ್ಗದವರ ಪ್ರತಿಭಟನೆಯು ವ್ಯಕ್ತವಾಗಿರುವ ಬಗೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.

ದ್ವಿತೀಯ ಸೆಮಿಸ್ಟರ್ ಬಿ.ಎಸ್ಸಿ./ಬಿ.ಸಿ.ಎ. ಪದವಿ ಪರೀಕ್ಷೆ, ಜುಲೈ/ಆಗಸ್ಟ್, 2023
(NEP - 2020 New Scheme)

ಕನ್ನಡ ಭಾಷೆ
ಕನ್ನಡ ಶ್ರಾವಣ - 2

ಸಮಯ: 2 ಗಂಟೆಗಳು

ಗರಿಷ್ಠಾಂಕಗಳು : 60

I. ಕೆಳಗಿನ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ:

(5x2=10)

- 1) ಎಚ್. ನರಸಿಂಹಯ್ಯನವರು ಎಲ್ಲೆಲ್ಲಿ ಸೆರೆಮನೆ ವಾಸ ಅನುಭವಿಸಿದರು?
- 2) ಸ್ವಂತ ಕಟ್ಟಡಗಳಿರದ ಪಾಠಶಾಲೆಗಳು ಎಲ್ಲಿ ನಡೆಯುತ್ತಿದ್ದವು?
- 3) ನಾವು ಕನಸನ್ನು ಏಕೆ ಕಾಣಬೇಕೆಂದು ಕಲಾಂರು ಹೇಳುತ್ತಾರೆ?
- 4) 'ಪುಟ್ಟಗೌರಿ ನವಿಲು' ಪ್ರಸಂಗದ ಪ್ರಮುಖ ಪಾತ್ರಗಳು ಯಾವುವು?
- 5) ಇಂದು ಹೆಚ್ಚು ಬಳಕೆಯಲ್ಲಿರುವ ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳಾವುವು?
- 6) ವಿದ್ಯುನ್ಮಾನ ಕಂದಕ (ಡಿಜಿಟಲ್ ಡಿವೈಡ್) ಎಂದರೇನು?

II. ಕೆಳಗಿನ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

(4x5=20)

- 1) ಸ್ವಾಮಿಗಳು ಕಳ್ಳನಿಗೆ ಉಪದೇಶ ನೀಡಿದ ಪ್ರಸಂಗದ ಸ್ವಾರಸ್ಯ ವಿವರಿಸಿ.
- 2) ಬಾಳು - ಬದುಕಿನ ಪೂರ್ಣ ದರ್ಶನ ಡಿ.ವಿ.ಜಿ.ಯವರ ಕಗ್ಗದಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಿತವಾಗಿದೆ?
- 3) ತಿರುಕನು ಕಂಡ ಕನಸಿನ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ.
- 4) ಧಾರವಾಡದಲ್ಲಿನ ಮಳೆಗಾಲದ ಸೊಗಸನ್ನು ಕವಿ ಹೇಗೆ ವರ್ಣಿಸಿದ್ದಾರೆ?
- 5) "ಸಾಮಾಜಿಕ ಜಾಲತಾಣಗಳಲ್ಲಿ ಸತ್ಯಕ್ಕಿಂತ ಸುಳ್ಳೇ ಹೆಚ್ಚು ವಿಜೃಂಭಿಸುತ್ತಿದೆ." ಎಂಬುದನ್ನು ಪಠ್ಯದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿಶ್ಲೇಷಿಸಿ.

III. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ:

(3x10=30)

- 1) ಗುಂಡೇನಹಳ್ಳಿ ಶಾಲೆಗೆ ರಂಗಣ್ಣನವರು ತನಿಖೆ ಮಾಡಲು ಭೇಟಿ ನೀಡಿದ ಸಂದರ್ಭವನ್ನು ವಿವರಿಸಿ.
- 2) ಹೆಲಿಕಾಪ್ಟರ್ ದುರಂತದಲ್ಲಿ ಪಾರಾದ ಘಟನೆಯು ಅಬ್ದುಲ್ ಕಲಾಂರ ಚಿಂತನೆಯ ಮೇಲೆ ಬೀರಿದ ಪರಿಣಾಮವನ್ನು ವಿವರಿಸಿ.
- 3) 'ಧನಿಯರ ಸತ್ಯನಾರಾಯಣ' ಕತೆಯಲ್ಲಿನ ಕ್ರೌರ್ಯ ಹಾಗೂ ಪ್ರತಿಭಟನೆಯ ಸ್ವರೂಪವನ್ನು ವಿವರಿಸಿ.
- 4) ಚರಿತ್ರೆಯು ಮರೆತು ಹೋದ ಮಹಿಳಾ ವಿಜ್ಞಾನಿಗಳ ಸಾಧನೆಗಳನ್ನು ಲೇಖಕಿ ನೇಮಿಚಂದ್ರ ಹೇಗೆ ಕಟ್ಟಿ ಕೊಟ್ಟಿದ್ದಾರೆ? ವಿವರಿಸಿ.



34203

II Semester B.C.A. Degree Examination, September/October 2022
(NEP Scheme – 2021-22 Syllabus)

HINDI LANGUAGE

Paper II – Hindi Kahani Sahitya Aur Prayojanmulak Hindi

कथाश्री और प्रयोजनमूलक हिन्दी

Time : 2 Hours

Max. Marks : 60

I. एक शब्द, वाक्यांश या वाक्य में उत्तर लिखिए।

(10 × 1 = 10)

1. 'उसने कहा था' कहानी के कहानीकार कौन है?
2. कोशल का प्रसिद्ध उत्सव कौन्सा है?
3. मधुलिका किससे प्यार करती है?
4. माधव के बाप का नाम क्या है?
5. बाबा भारती के घोड़े का नाम क्या है?
6. बाबा भारती के घोड़े को किसने चुरा लिया?
7. अकेली का नाम क्या है?
8. मुण्डन किसका था?
9. गणेशी कौन है?
10. गजाधार बाबू के घर में कितने लोग थे?

II. किन्हीं तीन के लिए संदर्भ सहित व्याख्या कीजिए।

(3 × 4 = 12)

1. 'क्यों साहब, हम लोग हिन्दुस्थान कब जाएँगे।'
2. 'मेरे हृदय तुम्हारी उस छवि का भक्त बन गया है, देवी!'
3. 'अब हमें कोई ऐसा भोज नहीं खिलाता।'
4. 'तू कैसे जानता है कि उसे कफ़न न मिलेगा।'
5. 'रहने दो, तुम्हारी अम्मा जब आयेगी, सभी पी लूँगा।'

34203



(2 × 7 = 14)

III. किन्हीं दो कहानी की सारांश लिखिए।

1. कफ़न
2. हार की जीत
3. अकेली
4. वापसी

(1 × 5 = 5)

IV. किसी एक टिप्पण लिखिए।

1. प्रेमचन्द
2. मधुलिका
3. लहनासिंह

(2 × 7 = 14)

V. किन्हीं दो पर पत्र लिखिए।

1. पूछ-ताछ सम्बन्धी पत्र
2. शिकायती पत्र
3. बैंक सम्बन्धी पत्र
4. बीमा-सम्बन्धी पत्र

(1 × 5 = 5)

VI. किसी एक विषय पर टिप्पणी लिखिए।

1. राष्ट्रभाषा हिन्दी
2. संपर्क भाषा हिन्दी
3. नौकरी सम्बन्धी पत्र

Second Semester B.C.A. Degree Examination
July / August 2023
(NEP Scheme - 2021-22 Syllabus)

HINDI LANGUAGE

Group-I - Paper - I : (Kathasree + Prayojanmulak Hindi)
(हिन्दी कहानी कथाश्री + प्रयोजनमूलक हिन्दी)

Time: 2 Hours

Max. Marks: 60

I. एक शब्द या एक वाक्य में उत्तर लिखिए: (सभी प्रश्न अनिवार्य हैं) 10x1=10

- 1) बोधसिंह को कौन देखभला करता था।
- 2) एक दिन के लिए महाराज को क्या बनना पड़ता है ?
- 3) मधूलिका किसकी बेटा है ?
- 4) 'कफन' - कहानी का लेखक कौन है ?
- 5) धीसू कितने साल की उम्र काट दी ?
- 6) सोमा बुआ के पति साल में कितने महीने साथ रहते थे ?
- 7) सोमा बुआ की पड़ोसवाली का नाम लिखिए।
- 8) किस शहर में गजाधर बाबू काम कर रहे थे ?
- 9) बसती का सेहली का नाम क्या है ?
- 10) बाबा भारती का धोड़ा का नाम लिखिए।

II. किन्हीं तीन अवतरणों की सप्रसंग व्याख्या कीजिए। 3x4=12

- 1) 'क्यों साहब, हम लोग हिन्दुस्तान कब जाएँगे।'
- 2) "मैं कोशल - नरेश से तुम्हारी भूमि तुम्हें दिलवा दूँगा।"
- 3) 'जाकर देख तो, क्या दशा है उसकी?'
- 4) "बाबाजी, मैं यह धोड़ा आपका पास न रहने दूँगा।"
- 5) 'अरे रोती क्या हो बुआ। कहना - सुनना तो चलता ही रहता है।'

III. किन्हीं दो कहानियों का सारांश विशेषता के सहित लिखिए। 2x7=14

- | | |
|--------------|----------------|
| 1) पुरस्कार। | 2) हार की जीत। |
| 3) कफन। | 4) अकेली। |

IV. किसी दो पर टिप्पणी लिखिए। 1x5=5

- 1) लहनासिंह।
- 2) गजाधर बाबू।
- 3) धीसू।

V. किन्हीं दो विषय पर गुण तथा स्वरूप को स्पष्ट कीजिए।

- 1) प्रयोजनमूलक हिन्दी का अर्थ और स्वरूप।
- 2) राजा भाषा हिन्दी का महत्व बताइए।
- 3) कार्यालय ज्ञापन।
- 4) परिपत्र।

1x5=5

VI. किसी एक पत्र का अर्थ और स्वरूप को लिखिए।

- 1) कार्यालय आदेश।
- 2) अधिसूचना।
- 3) ज्ञापन।

* * *



34202

**II Semester B.Sc./B.C.A Degree Examinations,
September/October 2022
(NEP – 2021-22 Syllabus)**

**ENGLISH LANGUAGE
Paper II – Living English**

Time : 2 Hours

Max. Marks : 60

Note : Answer all the questions.

UNIT – I

(Prose)

- I. Answer the following questions in three to four sentences : **(4 × 2 = 8)**
1. Explain the idea of 'classification of science'.
 2. What is the meaning of ethics according to Capra?
 3. Write the special features of the Blue carbuncle as revealed by Sherlock Holmes.
 4. Why did Makar threaten to kill Aksionov? How did Aksionov react?
- II. Answer **any two** of the following in about a page each : **(2 × 5 = 10)**
1. What are the special qualities of Sherlock Holmes as private detective? Explain with reference to the story *The Adventure of the Blue Carbuncle*.
 2. Are the ideas of Dr. Fritjof Capra convincing? Give your views on the subject.
 3. Explain the meaning and nature of scientific method.
 4. 'Justice delayed is justice denied'. Substantiate this statement with reference to the fate of Aksionov.

UNIT – II

(Poetry)

- III. Annotate **any two** of the following : **(2 × 4 = 8)**
1. If goodness lead him not, yet weariness
May toss him to my breast.
 2. Ah, love, let us to be true
To one another !



3. Even so, my love,
Let us meet
Someplace else.
4. And are gone to praise God and his Priest and King,
Who make up a heaven of our misery?

(2 × 5 = 10)

IV. Answer **any two** of the following in about a page each :

1. How does William Blake bring out the pathetic condition of chimney sweepers in the poem *The Chimney Sweeper*?
2. What are poet's contemplations of God and man relationship in the poem *The Pulley*?
3. Briefly summarize the thoughts of the poet in the poem *The Taj Mahal*.
4. Comment on the human miseries, conflicts and spiritual barrenness presented in *Dover Beach*.

UNIT – III

(Grammar)

V. Rewrite as directed :

(6 × 1 = 6)

1. Each of the players ——— well in the forthcoming match. (play/plays)
2. A bunch of keys ——— on the table now. (be)
3. Sowmya narrated the story fluently. (Frame Yes/No question)
4. Prkruthi visits the library on Sundays. (Frame a question to get the underlined word as answer)
5. I am a doctor. (Add the question tag)
6. Let's meet the principal. (Add the question tag)

VI. Rewrite as directed :

(6 × 1 = 6)

1. Elephant was drinking water. (Change into passive voice)
2. The students will thank the teacher. (Change into passive voice)
3. Aishwarya bakes cake. (Change into passive voice)
4. Close the window (Change into passive voice)
5. The kitten is being fed by the cat. (Change into active voice)
6. The car can be washed by Jaya. (Change into active voice)



VII. Rewrite as directed :

(6 × 1 = 6)

1. Shwetha said, "I buy toys to my sister". (Change into indirect speech)
2. The driver said to the conductor, "Issue tickets to all the passengers now itself". (Change into indirect speech)
3. Alfiya said to Syeda, "Can I get my textbook today?" (Change into indirect speech)
4. The father said, "Why are you standing in rain, dear daughter?" (Change into indirect speech)
5. The advocate said that he was telling the truth to his clients. (Change into direct speech)
6. Indu said that she wanted to speak to Harsha that day. (Change into direct speech)

VIII. Rewrite as directed :

(6 × 1 = 6)

1. Ooty is cooler than Mysuru. (Change into positive degree)
 2. Cricket is the most popular game in India (Change into positive degree)
 3. Robert is not as good as George. (Change into comparative degree)
 4. The Mount Everest is the tallest peak. (Change into comparative degree)
 5. No other poet is as famous as Kuvempu in Kannada. (Change into superlative degree)
 6. Rajasthan is larger than any other state in the country. (Change into superlative degree)
-

Second Semester B.Sc. / B.C.A. Degree Examination**July / August 2023****(NEP - 2021 - 2022 Syllabus)****ENGLISH LANGUAGE****PAPER - II : LIVING ENGLISH****Time : 2 Hours****Max. Marks: 60****Instructions : Answer all the questions.****UNIT - I (PROSE)****I. Answer the following questions in Three or Four sentences each. (4x2=8)**

1. How are dogs classified, according to Sundar Sarukkai?
2. What are harming the biosphere according to Fritjof Capra?
3. Who is Mrs. Oakshott? How is Henry Baker related to her?
4. What did Aksyonof's wife dream? What did she say to her husband?

II. Answer any TWO of the following questions in about a page each. (2x5=10)

1. Explain briefly how the author characterizes science as a concept which helps us in classification.
2. What is the importance of social ecology and ecofeminism in the present context.
3. How do Dr. Watson and Sherlock Holmes examine and explain the hat, its owner and its history?
4. Give an account of life of convicts in the prison of Siberia.

UNIT - II (POETRY)**III. Annotate any TWO of the following: (2x4=8)**

1. The Sea of Faith
Was once, too, at the full, and round earth's shore
Lay like the folds of a bright girdle furled.
2. Beyond count are those, in this world
Who have lived and loved.
3. And because I am happy and dance and sing,
They think they have done me no injury.
4. Yet let him keep the rest,
But keep them with repining restlessness.

IV. Answer any TWO of the following in about a page each: (2x5=10)

1. What is the poet's message of love in his poem 'The Taj Mahal'?
2. How does Arnold solace himself to overcome the human miseries, conflicts and spiritual barrenness in his poem 'Dover Beach'?

3. Bring out the central theme of the poem 'The Pulley'.
4. Write a critical appreciation of the poem 'The Chimney Sweeper'.

UNIT - III (GRAMMAR)**(6x1=6)****V. Rewrite as directed:**

1. Nethra or Nitya _____ done this job (has / have)
2. My brother and my teacher _____ care of me (take / takes)
3. The driver drives the car fast. (Frame Yes / No question)
4. The bird is building its nest. (Frame a question to get the underlined words as answer)
5. He will meet the principal (Add the question tag)
6. Rohini did not cry. (Add the question tag)

(3x1=3)**VI. A) Change the following into Passive Voice.**

1. Mohan and Rohan have damaged the tap.
2. The teacher completed the syllabus.
3. She can open the lock.

(3x1=3)**B) Change the following into Active Voice.**

1. Sweets are liked by children.
2. Varsha had been honoured by the minister.
3. Let the book be closed.

VII. A) Change the following into indirect speech.**(3x1=3)**

1. The inspector said to the constables, "catch the thief immediately"
2. Shreya said, "I will never meet you."
3. The Headmaster said to the student, "why have you not done your homework?"

B) Change the following into direct speech.**(3x1=3)**

1. Tarun said that he studied hard.
2. The players told the coach that they would not play in the match.
3. He told her to open the window.

VIII.A) Change the following into Positive degree.**(2x1=2)**

1. Sharma is the most intelligent student in the class.
2. Biology is easier than mathematics.

B) Change the following into comparative degree.**(2x1=2)**

1. Gold is not so cheap as silver.
2. The elephant is the strongest animal.

C) Change the following into Superlative degree.**(2x1=2)**

1. The tiger is more ferocious than all other animals.
2. No other boy is as strong as Rudra.

Second Semester B.Sc. / B.C.A. Degree Examination**July / August 2023****(NEP - 2021 - 2022 Syllabus)****ENGLISH LANGUAGE****PAPER - II : LIVING ENGLISH****Max. Marks: 60****Time : 2 Hours****Instructions : Answer all the questions.****UNIT - I (PROSE)****I. Answer the following questions in Three or Four sentences each. (4x2=8)**

1. How are dogs classified, according to Sundar Sarukkai?
2. What are harming the biosphere according to Fritjof Capra?
3. Who is Mrs. Oakshott? How is Henry Baker related to her?
4. What did Aksyonof's wife dream? What did she say to her husband?

II. Answer any TWO of the following questions in about a page each. (2x5=10)

1. Explain briefly how the author characterizes science as a concept which helps us in classification.
2. What is the importance of social ecology and ecofeminism in the present context.
3. How do Dr. Watson and Sherlock Holmes examine and explain the hat, its owner and its history?
4. Give an account of life of convicts in the prison of Siberia.

UNIT - II (POETRY)**(2x4=8)****III. Annotate any TWO of the following:**

1. The Sea of Faith
Was once, too, at the full, and round earth's shore
Lay like the folds of a bright girdle furled.
2. Beyond count are those, in this world
Who have lived and loved.
3. And because I am happy and dance and sing,
They think they have done me no injury.
4. Yet let him keep the rest,
But keep them with repining restlessness.

(2x5=10)**IV. Answer any TWO of the following in about a page each:**

1. What is the poet's message of love in his poem 'The Taj Mahal'?
2. How does Arnold solace himself to overcome the human miseries, conflicts and spiritual barrenness in his poem 'Dover Beach'?

3. Bring out the central theme of the poem 'The Pulley'.
4. Write a critical appreciation of the poem 'The Chimney Sweeper'.

UNIT - III (GRAMMAR)

(6x1=6)

V. Rewrite as directed:

1. Nethra or Nitya _____ done this job (has / have)
2. My brother and my teacher _____ care of me (take / takes)
3. The driver drives the car fast. (Frame Yes / No question)
4. The bird is building its nest. (Frame a question to get the underlined words as answer)
5. He will meet the principal (Add the question tag)
6. Rohini did not cry. (Add the question tag)

(3x1=3)

VI. A) Change the following into Passive Voice.

1. Mohan and Rohan have damaged the tap.
2. The teacher completed the syllabus.
3. She can open the lock.

(3x1=3)

B) Change the following into Active Voice.

1. Sweets are liked by children.
2. Varsha had been honoured by the minister.
3. Let the book be closed.

VII. A) Change the following into indirect speech.

(3x1=3)

1. The inspector said to the constables, "catch the thief immediately"
2. Shreya said, "I will never meet you."
3. The Headmaster said to the student, "why have you not done your homework?"

B) Change the following into direct speech.

(3x1=3)

1. Tarun said that he studied hard.
2. The players told the coach that they would not play in the match.
3. He told her to open the window.

VIII.A) Change the following into Positive degree.

(2x1=2)

1. Sharma is the most intelligent student in the class.
2. Biology is easier than mathematics.

B) Change the following into comparative degree.

(2x1=2)

1. Gold is not so cheap as silver.
2. The elephant is the strongest animal.

C) Change the following into Superlative degree.

(2x1=2)

1. The tiger is more ferocious than all other animals.
2. No other boy is as strong as Rudra.



36315

II Semester B.C.A. Degree Examination, July/August 2023

(Semester Scheme – NEP Syllabus)

Data Structure Using 'C'

Time : 2 Hours

Max. Marks : 60

PART – A

- I. Answer **any five** of the following : **(5 × 2 = 10)**
1. Define Data structure. List its types.
 2. What is Dynamic memory allocation?
 3. Define Stacks. List its operations.
 4. What is Recursion?
 5. What is a circular queue?
 6. Define an abstract data type.
 7. Define Traversing.
 8. What is binary tree? Mention its types.

PART – B

- II. Answer **any five** of the following : **(5 × 4 = 20)**
9. Explain primitive and non-primitive data structure.
 10. Briefly explain functions of memory allocation.
 11. List and briefly explain different applications of stacks.
 12. Convert the following infix expression to postfix $((A + B * C) - D / (E + F))$.
 13. Write an algorithm for GCD of two numbers.
 14. Briefly explain Doubly linked list.
 15. Write a note on Quick sort with an example.
 16. Briefly explain the traversal of binary tree.



36315

PART - C

(3 × 10 = 30)

- III. Answer **any three** of the following :
17. Explain the tower of Hanoi problem with neat diagram and algorithm with steps.
 18. Explain the Linked list operations with diagram.
 19. Explain the BST with its basic operations.
 20. Write a note on the following :
 - (a) Binomial Co-efficient
 - (b) Linear search technique
 21. Define tree. Explain the tree terminologies.
-



36315

II Semester B.C.A. Degree Examination, September/October 2022
(NEP Scheme)

Data Structures using 'C'

Time : 2 Hours

Max. Marks : 60

PART – A

- I. Answer **any five** of the following : (5 × 2 = 10)
1. Define data structures.
 2. Define DMA.
 3. What is stack? Mention its operation.
 4. Define an infix expression. Give an example.
 5. Define queue. Mention its types.
 6. Define Searching and Sorting.
 7. Define Linked List. List the types of Linked List.
 8. Define Binary Tree.

PART – B

- II. Answer **any five** of the following : (5 × 4 = 20)
9. Explain types of data structures.
 10. Explain malloc() and realloc().
 11. Write the applications of Stack.
 12. Define Tower of Hanoi. Write the C-Code to implement Tower of Hanoi.
 13. Define Circular queue and Double ended queue.
 14. Write a C program to search an element using binary search.



36315

15. Explain the steps involved in inserting a node at the front end in singly linked list. Write the algorithm for it.

16. Define the following :

- (a) Root node
- (b) Siblings
- (c) Height
- (d) Degree of node

PART - C

(3 × 10 = 30)

III. Answer **any three** of the following :

17. Write the difference between static memory allocation and dynamic memory allocation.
18. (a) Obtain the postfix expression for $X^{\wedge}Y^{\wedge}Z - M + N + P/Q$.
(b) Compare iterative and recursive functions.
19. Explain the representation of simple queue with its operations.
20. Write a C program to sort given elements using Quick sort.
21. Explain the different traversal techniques of a binary tree.



36316

II Semester B.C.A. Degree Examination, July/August 2023
(Semester Scheme – NEP Syllabus)
Object Oriented Concepts using JAVA

Time : 2 Hours

Max. Marks : 60

SECTION - A

Answer any **FIVE** of the following. Each question carries **2** marks. ($5 \times 2 = 10$)

1. What is class? Give example.
2. Define object. Give example.
3. Expand JDK & JVM.
4. Define package.
5. What is exception handling?
6. What is constructor overloading?
7. What are the difference between "=" and "= ="?
8. What is keyword? Write any 4 keywords in Java.

SECTION - B

($5 \times 4 = 20$)

Answer any **FIVE** of the following.

9. Explain Access Specifiers.
10. Explain two dimensional array in Java.
11. What are Java threads? Explain life cycle of threads.
12. Write a note on virtual functions.
13. What is operator overloading? Give one example.

P.T.O.

36316

14. Write a program in Java to area of circumference of by accepting the radius from the user.
15. What is single and multi level inheritance?
16. What is applet? Explain the life cycle of an applet.

SECTION - C

Answer any **THREE** of the following. Each question carries **10** marks.
(3 × 10 = 30)

17. Explain OOP's concepts with example.
18. What is controlling statement? Explain syntax with example.
19. What are arrays? Explain one dimensional array in Java.
20. Write a program to demonstrate multi level inheritance using abstract class.
21. Write a short note on:
- (a) Event handling
 - (b) Dynamic binding
-



36316

II Semester B.C.A. Degree Examination, September/October 2022
(Semester Scheme – NEP – 2021-22 Syllabus)
OBJECT ORIENTED CONCEPTS USING JAVA

Time : 2 Hours

Max. Marks : 60

PART – A

Answer **any five** of the following. Each carries **2** marks :

(5 × 2 = 10)

1. What are the benefits of OOP?
2. Define Class and Object.
3. What is Data Abstraction?
4. Mention Data Types used in JAVA.
5. Mention different types of operators used in JAVA.
6. Define Static Method and Static Variable.
7. What is abstract class?
8. Define final keyword with example.

PART – B

Answer **any five** of the following. Each carries **4** marks :

(5 × 4 = 20)

9. Explain creation of a class with example.
10. Explain different types of looping statements used in JAVA.
11. How do you implement multiple inheritance in Java? Explain.
12. Write a note on method overloading.
13. What are constructors? Write down its various features and different types.

36316

14. What is Method Overriding? Explain with example.
15. What is Package? Explain with example.
16. What is Exception? Discuss with example.

PART - C

Answer **any three** of the following. Each carries **10** marks : **(3 × 10 = 30)**

17. Explain Object Oriented Concepts used in JAVA.
 18. What is Inheritance? Explain different types of Inheritance with example.
 19. Explain Thread Life Cycle with neat diagram.
 20. What is Graphic? Explain any four graphic events.
 21. What is exception? What are the types of exception? Discuss in detail exception handling in java.
-



36317

II Semester B.C.A. Degree Examination, September/October 2022
(NEP – 2021-22 Syllabus)
DISCRETE MATHEMATICS

Time : 2 Hours

Max. Marks : 60

PART – AAnswer **any five** questions :**(5 × 2 = 10)**

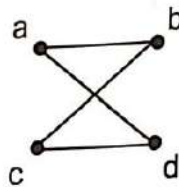
1. Define symmetric matrix and skew symmetric matrix.
2. Prove the given proposition is false by giving counter example for $x^2 - 4x + 3 = 0, \forall x \in R$ such that $2 \leq x \leq 3$.
3. How many 4 digit numbers can be formed by using the digits 1 to 9 if repetition of digits is not allowed?
4. A committee of 3 persons is constituted from a group of 2 men and 3 women. In how many ways can this be done?
5. If $A = \{1, 2, 3\}$ and $B = \{3, 5, 7\}$ the find $(A - B) \times B$.
6. Define Symmetric relation with an example.
7. Define planar graph. Give an example.
8. Define Chromatic number.

PART – BAnswer **any five** of the following questions :**(5 × 4 = 20)**

9. Symbolise the quantified statement and negate it.
"Some students are lazy or all students are hard working".
10. Let Q be the set of all rational numbers and the function $f : Q \rightarrow Q$ be defined by $f(x) = 2x + 3, \forall x \in Q$. Then prove that $f(x)$ is bijective function.
11. Expand $(2x - 3)^6$ by using Binomial theorem.

36317

12. Solve the recurrence relation $a_n - 7a_{n-1} + 10a_{n-2} = 0$, $a_0 = 0$, $a_1 = 3$ by characteristic root method.
13. Prove that $1^3 + 2^3 + 3^3 + \dots + n^3 = \frac{n^2(n+1)^2}{4}$.
14. If $A = \{x/x^2 - 5x + 6 = 0\}$, $B = \{2, 4\}$ and $C = \{4, 5\}$ then find $A - B$, $B - C$ and $(A - B) \times (B - C)$.
15. How many paths of length four are there from 'a' to 'd' in the given graph.



16. Prove that there is a single path between every pair of distinct vertices of a connected undirected graph.

PART - C

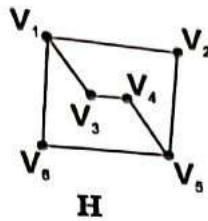
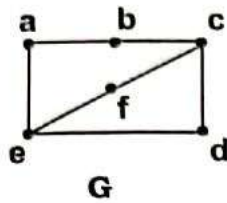
Answer **any three** of the following questions :

(3 × 10 = 30)

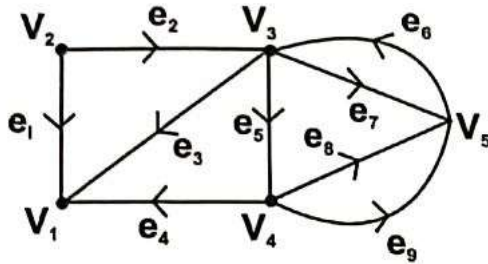
17. (a) Prove that the compound propositions $\sim(p \Rightarrow q)$ and $p \wedge (\sim q)$ are logically equivalent.
- (b) Let $p(x)$ and $q(x)$ be the predicates with same replacement set. Then prove that the truth set of the conjunction $p(x) \wedge q(x)$ is the intersection of their truth sets.
18. (a) In a class of 35 students, 24 like to play cricket and 16 like to play football. Also, each student likes to play atleast one of the two games. How many students like to play both cricket and football?
- (b) Find r if ${}^5P_r = 6 {}^5P_{r-1}$.
19. (a) Let R be a relation defined on the set Z of integers by $R = \{(x, y)/x - y \text{ is divisible by } 5\}$. Then show that R is an equivalence relation.
- (b) If $A = \{1, 2, 3, 4\}$ and R and S are two relations on a set A defined by $R = \{(1, 2), (1, 3), (2, 4), (4, 4)\}$, $S = \{(1, 1), (1, 2), (1, 3), (1, 4), (2, 3), (2, 4)\}$ then find $R \circ R$, $S \circ S$ and $R \circ (R \circ R)$.



20. (a) Show that the following graphs are isomorphic.



- (b) Find the incidence matrix for the given graph.



21. (a) Prove that every natural number greater than or equal to 2 is a product of primes.
- (b) Let $A = \{1, 2, 3\}$ and $B = \{1, 2, 3, 4\}$. Relation R defined on set A and relation S defined on set B by $R = \{(1, 1), (2, 2), (3, 3)\}$ and $S = \{(1, 1), (1, 2), (1, 3), (1, 4)\}$. Then find $R \cap S$, $R - S$, R^C , R^{-1} , S^{-1} .
-



36317

II Semester B.C.A. Degree Examination, July/August 2023
(NEP Syllabus – Semester Scheme)
Discrete Mathematics

Time : 2 Hours

Max. Marks : 60

PART – A

Answer **any five** questions :

(5 × 2 = 10)

1. If $A = \{1\ 2\}$, $B = \{3\ 4\}$ then $A \times (B \cap \phi) = \phi$.
2. Construct the truth table of $\sim p \rightarrow \sim q$.
3. In how many different ways can 3 people selected from 20 applicants?
4. How many diagonals are there in polygon in 21 sides?
5. Define singleton set. Give an example.
6. If $A = \begin{bmatrix} 3 & 2 \\ 4 & 1 \end{bmatrix}$ show that $A^2 - 4A - 5I = 0$.
7. Define Complete Graph. Give an example.
8. Define Null Graph. Give an example.

PART – B

Answer **any five** of the following questions :

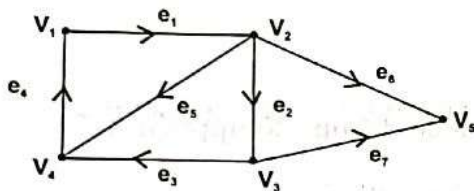
(5 × 4 = 20)

1. Given, $P \rightarrow Q$; $Q \rightarrow R$; $R \rightarrow S \wedge T$; P . Show that the conclusion is "S" by using rule of inference.
2. If $U = \{a\ b\ c\ d\ e\ f\ g\ h\ i\ j\}$, $A = \{a\ b\ c\ d\}$, $B = \{c\ d\ e\ f\}$, verify $(A \cup B)' = A' \cap B'$ and $(A \cap B)' = A' \cup B'$.
3. Expand $\left(x - \frac{1}{x^2}\right)^4$ by using Binomial Theorem.

36317



4. Prove that $1^2 + 2^2 + 3^2 + \dots + n^2 = \frac{n(n+1)(2n+1)}{6} \quad \forall n \in \mathbb{N}$.
5. Find the number of permutation of letter of the word "ASSASSINATION". How many of begin with 'A'?
6. A relation R is defined set of integer, $R = \{ (x, y) : x - y \text{ is an integer} \}$. Show that R is an equivalence relation.
7. Determine $|V|$ for a graph G has 16 edges and all vertices of degree 4.
8. Find the incidence matrix for given graph.

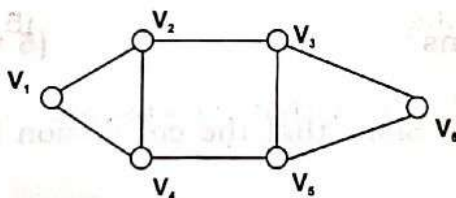


PART - C

Answer **any three** of the following questions :

(3 × 10 = 30)

1. (a) Give proof by Indirect method, "If n is even integer then $n + 7$ is an odd integer".
(b) Prove that $(p \wedge q) \wedge \sim (p \wedge q)$ is contradiction.
2. (a) Find adjacency matrix of given graph.



(b) If $A = \begin{bmatrix} 2 & 3 \\ 1 & 0 \end{bmatrix}$, $B = \begin{bmatrix} 2 & 1 & 4 \\ 0 & 1 & 3 \end{bmatrix}$, $C = \begin{bmatrix} 1 & -3 & -1 \\ -2 & 4 & 5 \\ 1 & 3 & -2 \end{bmatrix}$,

show that $A(BC) = (AB)C$.

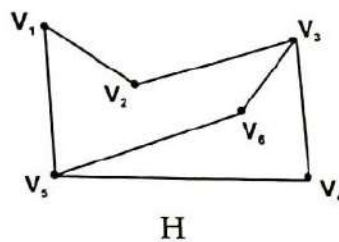
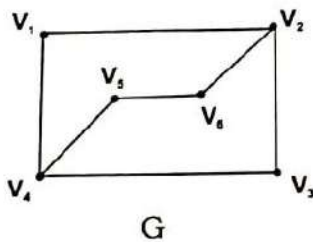
3. (a) Let $A = \{1, 2, 3\}$, $B = \{1, 2, 3, 4\}$ relations
 $R_1 = \{(1, 1) (2, 2) (3, 3)\}$, $R_2 = \{(1, 1) (1, 2) (1, 3) (1, 4)\}$
 find $R_1 \cup R_2$, $R_1 \cap R_2$, $R_1 - R_2$, $R_2 - R_1$, $R_1 \oplus R_2$.

- (b) Let $R = \{(1, 1) (2, 1) (3, 2) (4, 3)\}$,
 find $R \circ R$, $R \circ (R \circ R)$ and $R \circ (R \circ (R \circ R))$

4. (a) In out of 250 people 160 drink coffee, 90 drink tea, 85 drink milk, 45 drink coffee and tea, 35 drink tea and milk, 20 drink all. How many drink coffee and milk?

- (b) If ${}^nP_r = 30240$, ${}^nC_r = 252$, find r .

5. (a) Show that the following graphs are isomorphism.



- (b) Prove that $[P \rightarrow (q \wedge r)] \equiv [(p \rightarrow q) \wedge (p \rightarrow r)]$.
-