34101

ಪ್ರಥಮ ಸೆಮಿಸ್ಟರ್ ಬಿ.ಎಸ್ಸಿ./ಬಿ.ಸಿ.ಎ. ಪದವಿ ಪರೀಕ್ಷೆ, ಮಾರ್ಚ್/ಎಪ್ರಿಲ್ 2022
ಕನ್ನಡ ಭಾಷಾ ಪಠ್ಯ ಪತ್ರಿಕೆ – ೧
(ಕನ್ನಡ ಶ್ರಾವಣ ೧) (NEP 2021-22 Syllabus)

ಸಮಯ : 3 ಗಂಟೆಗಳು

ಗರಿಷ್ಠಾಂಕಗಳು : 60

I. ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಾದರೂ **5** ಪ್ರಶ್ನೆಗಳಿಗೆ **3-4** ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ : **(2×5=10)**

1) ಕನ್ನಡ ಬರಹ ಎಲ್ಲರ ಸೊತ್ತಾಗಲು ಇರುವ ಎರಡು ತೊಡಕುಗಳು ಯಾವುವು ?
2) 'ಕನ್ನಡ ಭಾಷೆ' ಯಾವ ಭಾಷಾ ಪರಿವಾರಕ್ಕೆ ಸೇರಿದೆ ? ಭಾಷಾಶಾಸ್ತ್ರಜ್ಞರ ಅಭಿಮತವೇನು ?
3) ಕೊಡವರ ನಾಡಿನ ಬಗ್ಗೆ ಪಂಜೆ ಮಂಗೇಶರಾಯರ ಅಭಿಮತವೇನು ?
4) ಭೂಮಿಯನ್ನು ಕುರಿತು ಆದಿವಾಸಿ ನಾಯಕ ಚೀಫ್ ಸೀಟ್ಲ್‌ನ ಅಭಿಪ್ರಾಯವೇನು ? ತಿಳಿಸಿ.
5) ''ವಿಜ್ಞಾನದ ನೈತಿಕತೆಯ'' ಪರಮಗುರಿ ಯಾವುದು ?
6) ''ವೈಜ್ಞಾನಿಕ ಮನೋಧರ್ಮ'' – ದೇವರು ಕುರಿತು ವಿವೇಕಾನಂದರ ನಿಲುವೇನು ? ತಿಳಿಸಿ.
7) 'ಮಾನವತಾವಾದದ' ಧ್ಯೇಯವೇನು ? ತಿಳಿಸಿ.

II. ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಾದರೂ **4** ಪ್ರಶ್ನೆಗಳಿಗೆ **10-15** ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ : **(5×4=20)**

1) ವಿಜ್ಞಾನದಿಂದ ಪ್ರಗತಿ ಹೇಗೆ ಸಾದ್ಯ ? ಸರ್. ಸಿ. ವಿ.ರಾಮನ್ ನಿಲುವುಗಳೇನು ?
2) 'ಹುತ್ತರಿ ಹಾಡು' ಕವಿತೆಯಲ್ಲಿ ವ್ಯಕ್ತವಾಗಿರುವ ಕೊಡವರ ಕ್ಷಾತ್ರ ತೇಜಸ್ಸನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.
3) ಬರಹದ ಮಹತ್ವಕ್ಕಿರುವ ಕಾರಣಗಳಾವುವು ? ವಿವರಿಸಿ.
4) ದೇವರು ಮತ್ತು ಧರ್ಮವನ್ನು ಕುರಿತು ಐನ್‌ಸ್ಟೈನ್‌ರ ದೃಷ್ಟಿಕೋನಗಳೇನು ? ತಿಳಿಸಿ.
5) ನಾಡುನುಡಿ ಚಿಂತನೆ 'ಒಂದೇ ಕರ್ನಾಟಕ' ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ಚಿತ್ರಣಗೊಂಡಿದೆ ತಿಳಿಸಿ.

III. ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ದೀರ್ಘವಾಗಿ ಉತ್ತರಿಸಿ : **(10×3=30)**

1) ಶಾಲಾ ವಾರ್ಷಿಕೋತ್ಸವಕ್ಕೆ ಬಂದ ಇಂಜಿನಿಯರಿಂಗ್ ಯುವಕನ ಬಾಲ್ಯ ಮತ್ತು ವರ್ತಮಾನ 'ಕೆಂಪುಗಿಳಿ' ಕಥೆಯಲ್ಲಿ ಹೇಗೆ ಚಿತ್ರಣಗೊಂಡಿದೆ ? ವಿವರಿಸಿ.
2) ''ಹಸಿರು ಮಫ್ಲರ್'' ತಂದು ಕೊಟ್ಟ ಗೆಲುವು ಸೈದ್ಧಾಂತಿಕ ವಿಚಾರಧಾರೆಗಳ ಗೆಲುವಾಗಿದೆ. ವಿಚಾರ ಮಾಡಿ.
3) ''ಕರೆಗಂಟೆ ಬಾಗಿಲು ಮತ್ತು ಗುಡಿಸಲು'' ಕವಿತೆಯ ಆಶಯವನ್ನು ವಿವರಿಸಿ.
4) ಧಾರ್ಮಿಕ ಮತಾಂಧತೆ 'ಮಾನವತಾವಾದ'ದಲ್ಲಿ ಹೇಗೆ ಜೀವ ವಿರೋಧಿಯಾಗಿದೆ ? ವಿವರಿಸಿ.
5) 'ಕನ್ನಡ ಬರಹದ ಅಳಿವು ಉಳಿವು' ಶಂಕರಭಟ್ಟರ ನಿಲುವುಗಳೇನು ?

I Semester B.Sc./B.C.A. Degree Examination,
February/March 2023

(NEP)

ಕನ್ನಡ ಭಾಷೆ

Paper I – ಕನ್ನಡ ಶ್ರಾವಣ (OEC-1)

Time : 2 Hours | Max. Marks : 60

I. ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಐದು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಮೂರು ನಾಲ್ಕು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ : **(2 × 5 = 10)**

1. ಭೂಮಿಯ ಪರಿಸ್ಥಿತಿ ಬಗ್ಗೆ ವರ್ಲ್ಡ್ ವಾಚ್ ಸಂಸ್ಥೆಯ ಅಭಿಪ್ರಾಯವೇನು? ತಿಳಿಸಿ.
2. ವೈಜ್ಞಾನಿಕ ಮನೋಧರ್ಮ ಎಂದರೇನು?
3. ಕೊಡಗಿನ ಪೌರಾಣಿಕ ಮತ್ತು ಐತಿಹಾಸಿಕ ಮಹತ್ವವನ್ನು ತಿಳಿಸಿ.
4. ಗಿಳಿಗಳ ಬಗ್ಗೆ ಈರಪ್ಪನ ಅಭಿಪ್ರಾಯವೇನು?
5. ಮಾನವತಾವಾದದ ಧ್ಯೇಯವೇನು?
6. ವಿಜ್ಞಾನದ ನೈತಿಕತೆಯ ಪರಮಗುರಿ ಯಾವುದು?
7. ಕವಿರಾಜಮಾರ್ಗ ಕೃತಿಯ ಬಗ್ಗೆ ದುರ್ಗಸಿಂಹನ ಅಭಿಪ್ರಾಯವೇನು?

II. ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ನಾಲ್ಕು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಹತ್ತರಿಂದ ಹದಿನೈದು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ : **(4 × 5 = 20)**

1. 'ವಿಜ್ಞಾನ ಮತ್ತು ನೈತಿಕತೆಯ ಸಂಬಂಧ' – ಐನ್‌ಸ್ಟೈನ್ ಅಭಿಪ್ರಾಯವೇನು?
2. ಕೆಂಪುಗಿಳಿ ಕಥೆಯ ನಿರೂಪಕನ 'ನಮ್ಮ ಹೊಲ' ಪ್ರಬಂಧದ ಸಾರಾಂಶವೇನು?
3. ಕನ್ನಡ ಬರಹ ಎಲ್ಲರ ಸೊತ್ತಾಗಲು ಇರುವ ತೊಡಕುಗಳಾವುವು? ವಿವರಿಸಿ.
4. ಮಾನವನ 'ಅಜ್ಞಾನ ಮತ್ತು ದುರಾಸೆ' ಭೂಮಿಯ ನಾಶಕ್ಕೆ ಕಾರಣ ವಿವೇಚಿಸಿ.
5. 'ಹುತ್ತರಿಹಾಡು' ಕವಿತೆಯಲ್ಲಿ ಚಿತ್ರಿತವಾಗಿರುವ ಕೊಡವರ ಸಾಹಸವನ್ನು ವರ್ಣಿಸಿ.

III. ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಮೂರು** ಪ್ರಶ್ನೆಗಳಿಗೆ ದೀರ್ಘವಾಗಿ ಉತ್ತರಿಸಿ : **(3 × 10 = 30)**

1. ಭೂಮಿಯ ಮೇಲಿನ ಅತಿಯಾದ ವ್ಯಾಮೋಹವೇ ಪಾಹಾಂನ ದುರಂತಕ್ಕೆ ಕಾರಣ, ವಿವರಿಸಿ.

2. ಬರಹದ ಮಹತ್ವಕ್ಕೆ ಇರುವ ಕಾರಣಗಳಾವುವು? ವಿವರಿಸಿ.

3. ಧರ್ಮ–ವಿಜ್ಞಾನ ಸಂಬಂಧ ಕುರಿತು ಐನ್‌ಸ್ಟೈನ್ ಅಭಿಪ್ರಾಯಗಳನ್ನು ಸಂಗ್ರಹಿಸಿ ಬರೆಯಿರಿ.

4. 'ಕನ್ನಡ ವಿಶ್ವಾತ್ಮಕ ಭಾಷೆ' ನನ್ನ ಕನ್ನಡ ಜಗತ್ತು ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ.

5. ಹಸಿರು ಮಫ್ಲರ್ ತಂದು ಕೊಟ್ಟ ಚುನಾವಣಾ ಗೆಲುವು ಜನಸಾಮಾನ್ಯರ ಗೆಲುವಾಗಿದೆ. ವಿವೇಚಿಸಿ.

34103

First Semester B.C.A. Degree Examination, March/April 2022
(Semester Scheme) (NEP – 2021-22 Syllabus)
HINDI LANGUAGE – I
Hindi Nibandh, Sahithy and Karyalay Hindi
हिन्दी निबंध, साहित्य और कार्यालय हिन्दी

Time : 3 Hours Max. Marks : 60

सूचना : सभी प्रश्न अनिवार्य है ।

I. **एक** शब्द, वाक्य या वाक्यांश में उत्तर लिखिए । **(10×1=10)**

1) 'शिरीष के फूल' कैसा गद्य है ?
2) दयानंद भ्रमण करते हुए कहाँ पहुँचे ?
3) मूलशंकर का दूसरी नाम क्या है ?
4) भीष्मसाहजी को यशपालजी से पहली बार कहाँ मिले ?
5) स्वामी रामदास ने कवियों का कितनी श्रेणी बनायी है ?
6) कवि को मूल शक्ति को जाग्रत करने का मार्ग कौन सा है ?
7) यशपालजी दिल्ली क्यों और किससे मिलने गये थे ?
8) बौद्ध धर्म को दुनिया ने क्या दिया ?
9) शिरीष के फल को देखकर लेखकजी को किसकी याद आती है ?
10) धरती का निर्माण किसने किया ?

II. किन्हीं **तीन** अवतरणों की सप्रसंग व्याख्या कीजिए । **(3×4=12)**

1) विजय का उद्देश्य प्रजा का खून चूसना कदापि न होता था ।
2) पृथिवी सच्चे अर्थों में समस्त राष्ट्रीय विचार-धाराओं की जननी है ।
3) नयी अम्मा को दूध का कटोरा देने जाना, मुझे बाज़ीगर के तमाशे जैसा लगता था ।
4) डाक्टर और हकीम है कि वह बिना लम्बी किस लिए बात नहीं करता ?
5) मातृभूमी पर निवास करनेवाले मनुष्य राष्ट्र का दूसरा अंग है ।

III. किन्हीं **दो** गद्यों का सारांश विशेषता सहित अपने शब्दों में लिखिए । (2×7=14)

1) लेखकों का कार्य शिविर ।
2) राष्ट्र का स्वरूप ।
3) शिरीष के फूल ।
4) बिंदा ।

IV. किसी **एक** पर टिप्पणी लिखिए । (1×5=5)

1) महादेवी वर्मा ।
2) विष्णु प्रभाकर ।
3) वासुदेव शरण अग्रवाल।

V. किन्हीं **दो** प्रश्नों के उत्तर लिखिए । (2×7=14)

1) टिप्पण
2) आलेखन
3) कार्यालय प्रवीदी ।
4) कार्यालय हिन्दी ।

VI. किसी **एक** का टिप्पण लिखिए । (1×5=5)

1) सफल प्रारूप की विशेषताएँ लिखिए ।
2) कार्यालय हिन्दी का महत्त्व बताइए ।
3) कार्यालय पत्रों की प्रकार ।

QP CODE: 34103

First Semester B.C.A. Degree Examination
July / August 2023
(NEP Scheme - 2022-23 Syllabus)

HINDI LANGUAGE
Group-I - Paper - I : Hindi Nibandha Sahitya (Gadya Gourav and Karyalay Hindi
हिन्दी निबंध साहित्य, गद्य गौरव और कार्यालय हिन्दी।

Time: 2 Hours

Max. Marks: 60

I. एक शब्द या एक वाक्य में उत्तर दीजिए। 10x1=10

1) प्रेमचन्द द्वारा रचित निबंध का नाम बताइए।
2) प्रेम चन्द्र के मित्र का नाम क्या है ?
3) रास्ट्र का स्वरूप निवंध के लेखक कौन है ?
4) बिंदा के माँ का नाम क्या है ?
5) कवियों की कितनी श्रेणियाँ हैं ?
6) यशपलजी मास्को में क्या काम करते थे ?
7) सत्कवि कौन है ?
8) स्वामी दयानन्द का पहला नाम क्या था ?
9) 'शिरीप के फूल' किसकी रचना है ?
10) राय रतन किशोर के नौकर का नाम क्या है ?

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

1) भूमिका निर्माण देवो ने किया है।
2) मनुष्य समाज दो भागों में बाँटा गया।
3) शिरीष के फूल मेरे मानस में हलथल जरूर पैदा करते हैं।
4) पडिताईन चाची के न्यायालय से मिलनेवाले दण्ड के सव रूपों में मैं परिचित हो चुकी थी।
5) स्वामी दयानन्द ने भी इन सभी परिस्थितियों से एक साथ लड़ने का निश्चय करलिया।

III. किन्हीं दो पाठों का सारांश लिखिए। 2x7=14

1) रास्ट्र का स्वरूप।
2) बिंदा।
3) महाजनी सभ्यता।
4) स्वामी दयानन्द।

IV. किसी एक विषय पर टिप्पणी लिखिए। 1x5=5

1) महादेवी वर्मा। 2) स्वामी दयानन्द। 3) प्रेमचन्द।

V. किन्हीं दो प्रश्नों के उत्तर लिखिए। 2x7=14

1) आलेखन।

2) टिप्पण।

3) कार्यालय हिन्दी।

4) कार्यालय पत्रों का महत्त्व बताइए।

VI. किसी एक विषय पर टिप्पणी लिखिए। 1x5=5

1) कार्यालयी हिन्दी।

2) अनुस्मारक।

3) कार्यालय पत्रों का महत्त्व उपयोगिता।

* * *

34103

I Semester B.C.A. Degree Examination, February/March 2023

(NEP – Semester Scheme – 2021-22 Syllabus)

HINDI LANGUAGE

Paper I – Hindi Nibandh Sahithya and Karyalaya Hindi

हिन्दी निबंध और कार्यालय हिन्दी

Time : 2 Hours Max. Marks : 60

I. एक शब्द, वाक्य या वाक्यांश में उत्तर लिखिए। (सभी प्रश्न अनिवार्य है) **(10 × 1 = 10)**

1. धन लोभ में मानव भावों को पूर्ण रूप से क्या किया है?
2. बौद्ध धर्म कहाँ जन्म लिया?
3. शिरीष के फूल को संस्कृत साहित्य में क्या माना जाता है?
4. शिरीष अपना रस कहाँ से खींचते है?
5. भूमि का निर्माण किसने किया है?
6. किन–किन के सम्मिलन से राष्ट्र का स्वरूप संपादित होता है?
7. निंदा अपनी माँ को क्या कहती थी?
8. बिंदा किस तरह की गद्य है?
9. लेखकों का कार्य–शिविर अब कहाँ चलने लगा है?
10. यशपालजी को अकाडमी पुरस्कार कब मिली?

II. किन्हीं **तीन** अवतरणों की सप्रसंग व्याख्या कीजिए। **(3 × 4 = 12)**

1. गुण और कमाल की कसौटी पैसा और केवल पैसा है।
2. शिरीष के फल इतने मजबूत होते हैं कि नये फूलों के निकल आने पर स्थान नहीं छोडते।
3. कार्य प्रसन्नता, उत्साह और अधिक परिश्रम के द्वारा नित्य आगे बढ़ाना चाहिए।
4. बिन्दा मेरी उस समय की बाल्यसखी थी, जब मैंने जीवन और मृत्यु का अमिट अन्तर जान नहीं पाया था।
5. लेखकों का कार्य शिविर इस देश में नहीं चलता था।

III. किन्हीं **दो** गद्यों का सारांश विशेषता सहित अपने शब्दों में लिखिए। (2 × 7 = 14)

1. बिंदा
2. नये संसार के अग्रदूत
3. स्वामी दयानंद
4. राष्ट्र का स्वरूप

IV. किसी **एक** पर टिप्पणी लिखिए। (1 × 5 = 5)

1. प्रेमचन्द
2. बिंदा
3. भीष्मसाहनी

V. किन्हीं **दो** प्रश्नों के उत्तर लिखिए। (2 × 7 = 14)

1. आलेखन किसे कहते है? कितने भेद है?
2. टिप्पण और टिप्पणी के गुण बताइए।
3. अनुस्मारक
4. परिपत्र

VI. किसी **एक** का टिप्पण लिखिए। (1 × 5 = 5)

1. आलेखन
2. टिप्पण
3. कार्यालय हिन्दी

34102

I Semester B.Sc./B.C.A. Degree Examination, March/April 2022
(NEP – 2021 – 22 Syllabus)
ENGLISH LANGUAGE (Paper – I)

Time : 3 Hours Max. Marks : 60

*Note : Answer **all** the questions.*

UNIT – I
(Prose)

I. Answer the following in **3-4** sentences **each** : **(4×2=8)**

a) What is life according to J. Krishnamurti ?

b) Write the opinion of the young lawyer about the death penalty/capital punishment.

c) What is science according to Jannet D ?

d) Why was the husband suspicious about his wife in "A Story and a Song" ?

II. Answer **any two** of the following in about **a** page **each** : **(2×5=10)**

a) Explain the views of J. Krishnamurti on the function of education.

b) Examine the change that occur in the young lawyer while he was in confinement.

c) How does Jannet D discuss her opinion about science in "What is Science" ?

d) Discuss the theme of the story "The Story and a Song".

UNIT – II
(Poetry)

III. Annotate **any two** of the following : **(2×4=8)**

a) I am not yet born, forgive me
For the sins that in me the world shall commit,

b) Would a weed on the riverbank
know such depths of water
as the lotus would know ?

c) Oh sir, she smiled, no doubt,
Whene'er I passed her; but who passed without
Much the same smile ?

d) Not altogether
Facially, I am brunette, but madam, you should see
The rest of me.

IV. Answer **any two** of the following in about **a** page **each** : **(2×5=10)**

a) Critically examine the prayer of the child before its birth.

b) Comment on the central issue of the poem "Telephone Conversation".

c) How does the Duke establish his domination in "My Last Duchess" ?

d) Bring out the theme/s of the Vachanas – "The Master of the House" and "Would a Circling Surface Vulture".

UNIT – III
(Grammar)

V. Rewrite as directed : **(6×1=6)**

a) The bus was moving fast when the accident occurred. (Name the part of speech of the underlined word).

b) Suneeta has bought a bing house in the town. (Identify the Adjective)

c) The boy wore nice clothes but ________ shoes were dirty. (Fill in the blank with a suitable Pronoun).

d) John feeds his dog with biscuits every day. (Identify the Proper Noun).

e) Sameera is the most intelligent girl in her class. (Name the part of speech of the underlined word).

f) She tried her best ________ did not succeed. (Fill in the blank with a suitable Conjunction).

VI. Fill in the blanks with suitable articles (a, an, the) : **(6×1=6)**

a) ________ fox is a cunning animal.

b) One of the holy rivers is ________ Ganga.

c) Rashmi's father was ________ M.L.A.

d) He gave ________ pencil and an eraser to his friend.

e) ________ honest officer is investigating the murder mystery.

f) Out team got ________ second prize in the football tournament.

VII. Fill in the blanks with suitable prepositions given in the bracket (from, between, into, at, for, at). (6×1=6)

a) Umesh goes to work __________ 10 a.m.

b) My friends stayed with me ______ three days.

c) Kokila is good _______ painting.

d) He is suffering _________ tuberculosis.

e) Fareed was standing ________ two trees.

f) Robert came _________ the classroom hurriedly.

VIII. Rewrite as a directed : (6×1=6)

a) The Manager spoke with the employees. (Change into present continuous tense)

b) All the players have reached the playground. (Change into simple present tense)

c) I was waiting for the guests. (Change into future perfect tense)

d) The horse eats grass. (Change into present perfect tense)

e) Shobha is watering the plants. (Change into simple past tense)

f) They will attend the interview. (Change into past perfect continuous tense)

Q.P. CODE: 36312

First Semester B.C.A. Degree Examination
February / March 2023
(NEP 2021-22 Syllabus)

FUNDAMENTALS OF COMPUTER

Time : 3 Hours

Max. Marks : 60

PART - A

Answer any FIVE questions. **2x5=10**

1. What is Computer ?
2. What is Number System ?
3. Define ASCII. Expand.
4. Define Interpreter.
5. What is Algorithm ?
6. What is Operating System ?
7. What is DBMS ?
8. Define Web browser.

PART - B

Answer any FIVE questions. **4x5=20**

1. Explain the characteristics of computer.
2. Explain the minicomputer & Microcomputer.
3. Explain the Basic structure of a computer.
4. Explain the Gray code with example.
5. Explain Unix Basic commands.
6. Explain the features of Internet.
7. Explain the DDL, DML.
8. Difference between the logical and physical address.

PART - C

Answer any THREE of the following questions: **3x10=30**

1. Explain the Generation of computer.
2. Explain the Boolean Algebra with truth tables.
3. Explain the BCD conversation with examples (Addition and Substraction).
4. Explain the difference between system program and application program.
5. Explain the command working with a file.

* * *

36312

I Semester B.C.A. Degree Examination, March/April 2022
(Semester Scheme) (NEP 2021 – 22 Syllabus)
FUNDAMENTALS OF COMPUTERS

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** questions. **(5×2=10)**

1. Define Computer.
2. Mention the components of computers.
3. What is Interpreter ?
4. Define Boolean algebra.
5. What is Operating System ?
6. Mention any 2 functions of Operating System.
7. Define DBMS.
8. Expand WWW & URL.

PART – B

Answer **any five** of the following questions. **(5×4=20)**

1. Explain the characteristics of computer.
2. Explain the classification of computer.
3. Convert :

   a) $376_{(8)} = ?_{(10)}$

   b) $1101101_{(2)} = ?_{(8)}$

   c) $1986_{(10)} = ?_{(16)}$

   d) $4457_{(16)} = ?_{(2)}$
4. Write an algorithm and flowchart for Area of Triangle.

5. Explain the classification of Operating System.

6. Explain any 4 basic commands of Operating System.

7. Explain DDL, DML and DCL.

8. Mention any 6 features of internet.

PART – C

Answer **any three** of the following questions. **(3×10=30)**

1. With a neat labeled diagram, explain the basic organization of a Digital Computer.

2. Explain Boolean operators with truth table.

3. Explain cat, cp, rm, mv, file & wc.

4. Define Database. Explain student database.

5. Write Binary equivalent of Octal and Binary equivalent of Hexadecimal table. Convert $11001101_{(2)} = ?_{(8)}$ and $10101011010_{(2)} = ?_{(16)}$

36312

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

(Semester Scheme – NEP Syllabus)

Fundamentals of Computers

Time : 2 Hours Max. Marks : 60

PART – A

I. Answer **any five** of the following : **(5 × 2 = 10)**

1. Define Digital Computers.

2. What is CPU? List the component of CPU.

3. Expand BCD and ASCII.

4. Define an assembler and an Interpreter.

5. What is an operating system? Give an example.

6. What is the use of echo command?

7. List any two DDL Command.

8. Define Web browser.

PART – B

II. Answer **any five** of the following : **(5 × 4 = 20)**

9. Explain block diagram of computers.

10. Write a note on Microprocessor.

11. Briefly explain laws of Boolean algebra.

12. Differentiate between application program and system program.

13. Write a note on algorithm and flow chart.

14. Define SQL. Explain the DML commands.

15. What is an internet? Explain the services of an internet.

16. Write a note on URL.

PART – C

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

17. Briefly explain the generations of Computers.

18. Explain the classifications of digital computer systems.

19. Briefly explain the Basic Commands in Unix.

20. Write a note on :

    (a) Database users

    (b) DCL

21. Briefly explain Domain name system.

36311

I Semester B.C.A. Degree Examination, March/April 2022
(NEP 2021 – 22 Syllabus)
PROGRAMMING IN C

Time : 3 Hours | Max. Marks : 60

PART – A

Answer **any five** of the following : (5×2=10)

1. Define Token. Mention any four C-Tokens.
2. Declare one integer variable, two float variables and one character variable.
3. What is the difference between = and = = ?
4. What is an expression ? Write the general syntax of conditional operator.
5. Define an array. Write the general syntax of declaring an array.
6. What is the use of strlen ( ) and strcat ( ) ?
7. Define a function. How to define function ?
8. Write the general format of difining a structure with example.

PART – B

Answer **any five** of the following questions : (5×4=20)

1. Explain history and features of 'C'.
2. What are formatted and unformatted input output function ?
3. Explain arithmetic and logical operators.
4. Explain switch construct with an example.

P.T.O.

5. Differentiate between break and continue statements.

6. Explain the different categories of functions.

7. Write 5 difference between structure and union.

8. Explain how to access structure members using pointers.

PART – C

Answer **any three** of the following questions : **(3×10=30)**

1. Explain the structure of 'C' program with an example.

2. Explain the syntax of if-statement and if-else statement with suitable example.

3. Explain call by value and call by reference.

4. Explain the importance of pointers. Mention its merits and demerits.

5. a) How can you compare the structure variables ?

   b) Write a C function to swap two numbers using pointers.

Q.P. CODE: 36311

First Semester B.C.A. Degree Examination
February / March 2023
(Semester Scheme) (NEP 2021-22 Syllabus)
PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 60

PART - A

Answer any FIVE of the following. **5x2=10**

1. Define C-Programming Language.
2. Define Keyword. Write any 4 keyword.
3. What is Pre-processor directives ? Give Example.
4. Define Operators. List the types of logical operators.
5. Write any two built in mathematical functions.
6. What is the difference between ++a and a++ ?
7. What is the difference between string and character ?
8. What is function ?

PART - B

Answer any FIVE of the following. **5x4=20**

9. Explain any 4 string handling functions.
10. Explain the syntax of switch statement with example.
11. Write a note on formatted input and output function.
12. Write a 'C' program to sort the given elements using array.
13. Write a 'C' program to read three numbers and find the biggest of three.
14. Explain structure of 'C' program and give suitable example.
15. Write the differences between structure and Unions.
16. Define Pointers. Explain the Declaring and initializing an pointer.

PART - C

Answer any THREE of the following: **3x10=30**

17. What is an array ? List the types and explain how do you declare and initialize an array and give example.
18. Explain the different types of functions.
19. Write a note on the following:

    a) Symbolic constant b) go to statement

20. Define tokens. Explain the classification of C-Tokens.
21. Describe loops used in 'C'.

* * *

36313

I Semester B.C.A. Degree Examination, March/April 2022
(NEP – 2021-22 Syllabus)
MATHEMATICAL FOUNDATION

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** : **(5×2=10)**

1. Define disjunction with truth table.
2. Write in the symbolic form :
   Ramu is Intelligent or $\sqrt{2}$ is an irrational number
3. Define power set.
4. Define symmetric relation with an example.
5. Define scalar matrix with an example.
6. If $A = \begin{bmatrix} 0 & 2 & 3 \\ 2 & 1 & 4 \end{bmatrix}$, $B = \begin{bmatrix} 7 & 6 & 0 \\ 0 & 4 & 1 \end{bmatrix}$ find 3B – 2A.
7. Evaluate $\lim_{x \to a} \frac{\sqrt{x} - \sqrt{a}}{x - a}$.
8. Differentiate $y = \sqrt{\sin x}$, find $\frac{dy}{dx}$.

PART – B

Answer **any five** of the following questions : **(5×4=20)**

1. Write the inverse, converse and contra positive.
   If he work hard then he get a prize.
2. P.T. $\sim (p \to q) \to (p \wedge \sim q)$ is a Tautology.
3. If $f : R \to R$ defined by $f(x) = 3x + 4$. Prove that 'f' is a one-one and on-to.
4. If $f : R \to R$ defined by $f(x) = x^2 - 9x + 22$, find $f^{-1}(4)$ and $f^{-1}(-2)$.

P.T.O.

5. Prove that if any two rows or columns are interchanged then the determinant value changes by its sign.

6. Show that $\begin{bmatrix} a+b+2c & a & b \\ c & b+c+2a & b \\ c & a & c+a+2b \end{bmatrix} = 2(a+b+c)^3$.

7. Differentiate sinx w.r. to x from the first principles.

8. If $y = 5\cos x - 3\sin x$, show that $\frac{d^2y}{dx^2} + y = 0$.

PART – C

Answer **any three** of the following questions : **(3×10=30)**

1. Construct the truth table for $(p \wedge q) \rightarrow (r \wedge \sim q)$.

2. Solve by Cramer's rule $7x + 6y - 5z = 30$, $3x - 4y + z = 0$, $x + 2y - 3z = 10$.

3. If $f : R \rightarrow R$, $g : R \rightarrow R$ are two functions defined by $f(x) = x^2$ and $g(x) = (1 - x)$ find $f \circ g(2)$ and $g \circ f(3)$.

4. Find the inverse of Cayley-Hamilton for $\begin{vmatrix} 9 & 8 \\ 3 & 3 \end{vmatrix}$.

5. Find the maximum and minimum values of the function $2x^3 - 21x^2 + 36x - 20 = 0$.

Q.P. CODE: 36313

First Semester B.C.A. Degree Examination
February / March 2023
(NEP 2021-22 Syllabus)

MATHEMATICAL FOUNDATION

Time : 3 Hours Max. Marks : 60

PART - A

Answer any FIVE questions. **5x2=10**

1. Negate the sentence "Zero is not a complex number".
2. Define tautology.
3. Let A = {1, 2, 3} and B = {2, 4, 6} the find (A X B) U (B X A).
4. If $f(x) = x^3$ find the value of $\frac{f(3) - f(2)}{3 - 2}$
5. If $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ show that $A^2 - 5A + 7I = 0$
6. If $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & -1 & 3 \\ -1 & 0 & 2 \end{bmatrix}$ then find 2A – B.
7. Evaluate : $\lim_{x \to 2} [x^3 - x^2 + 1]$.
8. Find $\frac{dy}{dx}$, if y = Cos (sinx).

PART - B

Answer any FIVE of following: **5x4=20**

1. Define logically equivalent. Prove that $\sim(p \wedge q) \equiv \sim p \vee \sim q$.
2. State the converse, inverse and contra positive of "If two triangles are similar then their areas are equal".
3. Show that the relation "is congruent to" is an equivalence relation.
4. If f(x) = x - 1 & $g(x) = 2x^2 - 3$ find:

   i) fog (1) ii) gof (2)
5. Find the inverse of matrix $A = \begin{bmatrix} 1 & 1 & 2 \\ 0 & 2 & 2 \\ -1 & 1 & 3 \end{bmatrix}$
6. Solve by Crammer's rule : $2x + 5y + z = -1$; $x + 7y - 6z = -18$; $y + 2z = 3$

7. Find $\frac{dy}{dx}$, if $x = a\cos\theta$, $y = a\sin\theta$.

8. If $y = [x + \sqrt{1 + x^2}]^n$ show that $(1 + x^2)\, y_2 + xy_1 - yn^2 = 0$.

PART - C

3x10=30

Answer any THREE of the following:

1. Prove that $[\, p \vee (q \wedge r)\,] \leftrightarrow [\,(p \vee q)\,(p \vee r)\,]$ is a tautology.

2. In a class of 100 students, 35 play foot ball, 45 play basket ball, 35 play indoor games, 10 play foot ball and basket ball, 15 play basket ball and indoor games, 5 play foot ball, basket ball and indoor games. If 15 do not play any games then find how many play foot ball and indoor games ?

3. Find eigen value $\begin{bmatrix} 2 & 2 \\ 2 & -1 \end{bmatrix}$ by using Cayley - Hamilton theorem.

4. Find rank of a matrix, $A = \begin{bmatrix} 6 & 3 & -4 \\ -4 & 1 & -6 \\ 1 & 2 & -5 \end{bmatrix}$

5. Find the maximum and minimum values of the function $f(x) = 3x^3 - 9x^2 - 27x + 30$.

* * *

36313

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

(NEP Syllabus – Semester Scheme)

Mathematical Foundation

Time : 2 Hours Max. Marks : 60

PART – A

Answer **any five** of the following questions : **(5 × 2 = 10)**

1. Construct the truth table of $\sim(p \to q)$.

2. Negate : "If triangle is equilateral then it is isosceles."

3. If $f : R \to R$ and $g : R \to R$ is defined by $f(x) = 10x - 7$ and $g(x) = 3 - x$, find $g \circ f(2)$ and $f \circ g(-2)$.

4. Let $A = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\}$ defines $R : A \to A$ by $R = \{(x, y)/3x - y = 0 \text{ where } x, y \in A\}$. Write domain and range of R.

5. If $A = \begin{bmatrix} 2 & 3 \\ 4 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 1 & -3 \\ 5 & 2 \end{bmatrix}$, prove that $(A + B)' = A' + B'$.

6. If $A = \begin{bmatrix} 5 & 6 \end{bmatrix}$, $B = \begin{bmatrix} 2 \\ 5 \end{bmatrix}$, find AB.

7. Evaluate : $\lim_{x \to 4} \left[\dfrac{x^3 + 4}{1 - x} \right]$.

8. If $Y = \log(\sec x + \tan x)$, find $\dfrac{dy}{dx}$.

PART – B

Answer **any five** of the following questions : **(5 × 4 = 20)**

9. Verify $(p \vee q) \wedge (\sim p \wedge \sim q)$ is contradiction.

10. Write converse, inverse and contrapositive of the proposition "If $x(x - 2) = 0$ then $x = 2$".

36313

11. Show that the relation "is parallel" is an equivalence relation on set of straight lines.

12. If $f : R \to R$ is defined by $f(x) = 10x + 11$ show that f is bijective and $f' : R \to R$ then find f^{-1}.

13. If $A = \begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & 2 \\ 2 & 2 & 1 \end{bmatrix}$ prove that $A^2 - 4A - 5I = 0$.

14. Find the inverse of matrix, $A = \begin{bmatrix} 1 & -1 & 2 \\ 3 & -2 & 0 \\ 4 & 5 & -3 \end{bmatrix}$.

15. If $y = \log\left[x + \sqrt{1+x^2}\right]$ prove that $\frac{dy}{dx} = \frac{1}{\sqrt{1+x^2}}$.

16. If $Y = A\sin x + B\cos x$, then prove that $\frac{d^2y}{dx^2} + Y = 0$.

PART – C

(3 × 10 = 30)

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

17. Find the maximum and minimum value of $x^3 - 9x^2 + 15x - 1$.

18. Prove that $[p \to (q \wedge r)] \equiv [(p \to q) \wedge (p \to r)]$.

19. Solve by Cramer's rule :

    $x + y + z = 7; \quad 2x + 3y + 2z = 17; \quad 4x + 9y + z = 37$.

20. Find the Eigen values by using Cayley Hamilton theorem, if $A = \begin{bmatrix} 3 & -2 \\ -4 & 5 \end{bmatrix}$.

21. In class of 100 students 35 play football, 45 play basket ball, 35 play indoor games, 10 play football and basketball. 15 play basketball and indoor games. 5 play all of the three games. If 15 do not play any games, find how many play football and indoor games. Represent them in Venn diagram.

36314

I Semester B.C.A. Examination, March/April 2022
(NEP 2021 – 22 Syllabus)
ACCOUNTANCY

Time : 3 Hours

Max. Marks : 60

SECTION – A

I. Answer **any five** of the following. **Each** question carries **2** marks. **(2×5=10)**

1) Give two features of Trial Balance.
2) Define a bill of exchange.
3) What is Accounting Standards ?
4) Define Ledger.
5) Define Journal.
6) What is a Subsidiary book ?
7) Define Accounting.
8) What is book keeping ?

SECTION – B

II. Answer **any four** of the following. **Each** question carries **5** marks. **(5×4=20)**

9) Explain accounting conventions.
10) Write the advantages of bank reconciliation statement.
11) Write the rules of accounting.
12) List out the accounting standards.
13) Prepare personal accounts in the ledger.

2020, July 1	Gajendra started his business with the following :	
		Rs.
	Cash	4,000
	Goods	2,000
	Furniture	500
	Computer	5,000
July 5	Sold goods to X	1,000

P.T.O.

July 5	Sold goods for cash	300
July 9	Received from X on account	300
July 12	Purchased goods for Y	900
July 15	Paid Y	500
July 20	Paid interest to Y	10

14) From the following information, prepare the Manufacturing Account of Sri Vachan and find out the Cost of Production for the year ending 31st March, 2009.

	Rs.
Work in Progress A/c 1st April, 2008	12,000
Purchase of Raw Materials	1,35,000
Raw Materials – 1st April, 2008	13,500
Carriage inwards	1,100
Wages	27,000
Salary of Work Manager	15,600
Sundry Factory Expenses	3,400
Factory Light and Power	2,500
Closing Stock of Work in Progress	14,500
Closing Stock of Raw Materials	14,000
Salary of Mr. Vachan	12,000

Other information :

Outstanding Factory Light and Power Rs. 250 and Outstanding Wages Rs. 2,600.

The Salary of Mr. Vachan is to be allocated 2/3 to factory and 1/3 to office.

Provide depreciation on Fixed Assets Rs. 11,320.

15) Enter the following transaction in an analytical petty cash book under the imprest system and balance it.

		Rs.
2020, Jan. 2	Received a cheque forward petty cash	1,000
Jan. 2	Paid cartage on goods	50
Jan. 6	Paid taxi fare	140
Jan. 8	Postage and telegrams	60
Jan. 10	Stationery purchased	130
Jan. 12	Wages paid	100

Jan. 15	Postage stamps	20
Jan. 17	Paid for repairs to chairs	150
Jan. 18	Sent subscription for newspapers	160
Jan. 24	Refreshment to Customers	120
Jan. 25	Paid Somalal in settlement of his account	50

16) Prepare a correct Trial Balance.

Particulars	Dr.	Cr.
Purchases	30,000	–
Reserve fund	10,000	–
Sales	–	50,000
Purchases returns	500	–
Sales returns	–	1,000
Opening stock	15,000	–
Closing stock	–	20,000
Expenses	–	10,000
Outstanding expenses	1,000	–
Bank balance	2,500	–
Assets	25,000	–
Debtors	–	40,000
Creditors	–	15,000
Capital	47,000	–
Suspense account being difference in books	5,000	–
	1,36,000	**1,36,000**

SECTION – C

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

17) Give journal entries in the books of M/s Preetham traders.

Sl. No.	Date	Particulars	Amount
1	2020 Aug. 1	Commenced business with cash	1,10,000
2	Aug. 2	Opening bank account with SBI Bank	50,000
3	Aug. 3	Purchased Computer	20,000
4	Aug. 7	Bought goods for cash	30,000

5	Aug. 8	Purchased goods from M/s Anjali traders	42,000
6	Aug. 10	Sold goods for cash	30,000
7	Aug. 14	Sold goods on credit to M/s Sai traders	12,000
8	Aug. 16	Rent paid	4,000
9	Aug. 18	Paid salaries	1,000
10	Aug. 25	Paid electric bills	100

18) Prepare a cash book from the following transaction of Mr. Ravi.

		Rs.
2021, April 1	Ravi commenced business with cash	14,000
April 3	He bought goods for cash	7,500
April 6	Received cash from Mr. P	2,500
April 9	Paid into bank	500
April 13	Paid cash to H	1,000
April 16	Sold goods for cash	2,250
April 17	Paid for stationery	75
April 18	Paid for office furniture	1,500
April 21	Received from Mr. Kapil	3,400
April 22	Paid for advertising	450
April 25	Purchased postage stamps	10
April 28	Paid rent	1,000
April 30	Paid electricity charges	75

19) Prepare trading and profit and loss account and balance sheet from the following balances relating to the year ending 31st March, 2014.

	Rs.		Rs.
Capital	10,000	Wages	5,000
Creditors	1,200	Bank	1,000
Returns outwards	500	Repairs	50
Sales	16,400	Stock (1-4-2013)	8,000
Bills payable	500	Rent	400
Plant and machinery	4,000	Manufacturing expenses	800
Sundry debtors	2,400	Trade expenses	700
Drawings	1,000	Bad debts	200
Purchases	10,500	Carriage	150
Returns inwards	300	Fuel and power	100

The closing stock was valued at Rs. 1,450.

20) Differentiate between book keeping and accounting.

21) Explain accounting concepts and conventions.

Q.P. CODE: 36314

First Semester B.C.A. Degree Examination
February / March 2023
(NEP - 2021-22 Syllabus)

ACCOUNTANCY

ɿe : 3 Hours — Max. Marks : 60

PART - A

Answer any FIVE questions. 5x2=10

1. Give the meaning of Accounting.
2. What is Capital ?
3. What is Double Entry System ?
4. Define Accounting principles.
5. Give the meaning of Subsidiary Books.
6. What is Purchase Returns Day Book ?
7. What is Bad Debts ?
8. Find the missing figures from the following:

	Assets	=	Capital	+	Liabilities
a)	100,000	=	?	+	20,000
b)	80,000	=	?	+	35,000
c)	200,000	=	80,000	+	?
d)	?	=	25,000	+	45,000

PART - B

Answer any FIVE of the following questions. 5x4=20

1. Write the differences between Book - keeping v/s Accounting.
2. Write the accounting cycle diagram as per traditional and modern system.
3. Explain the Branches of accounting.
4. On 1/1/2011 Chaitra drew two months bill on Gayathri for Rs.10,000. The bill was dishonoured on the due date. Pass the journal entries in the books of Chaitra & Gayathri.
5. From the following particulars of Pranati, prepare Bank reconciliation statement as on 31.3.2012:
   a) Balance as per the cash book Rs.54,000.
   b) Cheque issued but not presented for payment of Rs.20,000.
   c) Cheque for Rs.5,400 is deposited into bank but not yet collected by bank.
   d) Rs.100 Bank incidental charges debited to Pranati a/c which is not recorded in cash book.

6. Prepare Trial Balance for the following balances as on 31.03.2015:

Particulars	Amount (Rs.)
Creditors	20,000
Purchases	30,000
Sales	20,000
Wages	25,000
Cash	15,000
Capital	50,000
Purchase Returns	5,000
Land & Building	25,000

7. Enter the following transactions in the purchase books of Mr. Manohar:

1/1/2008	Bought from Amar stores Bangalore, 200 bags of rice at Rs.225 per bag
8/1/2008	Bought from Mysore sugar mills ltd. Mandya, 20 bags of sugar at Rs.500 per bag
10/1/2008	Bought from Laxmi Traders, Davanagere, 125 bags of wheat flour at Rs.175 per bag
12/1/2008	Bought from Canara stores Mangalore, 25 bags of wheat at Rs.125 per bag for cash
15/1/2008	Bought from Neelagiri Tea Company, 10 cases of tea at Rs.150 per case.

8. Prepare Petty cash book from the following information. Imprest amount is 1000.

Date	Particulars	Rs.
2020 Jan 1	Paid Cartage	50
Jan 2	Postage	110
Jan 4	Courier charges	30
Jan 5	Pen, Pencil	115
Jan 10	Telegram charges	50
Jan 18	Auto charges	90
Jan 22	Miscellaneous expense	70
Jan 31	Refreshment to customers	80

PART - C

Answer any THREE of the following: **3x10=30**

1. Explain the advantages and disadvantages of accounting.
2. Explain the principles of accounting.
3. Pass the journal entries and post them to ledger accounts:

2020

Jan 1	Mr. Dhanush commercial business with cash Rs.90,000.
Jan 5	Paid into Bank Rs.50,000.
Jan 10	Sold goods for Ankitha for cash Rs.10,000.
Jan 15	Purchased goods from cash Rs.3,000.
Jan 30	Withdrawn cash for personal use Rs.25,000.

4. Prepare necessary subsidiary books of Kumar:

2020

Dec 01	Purchased goods from Sunil for Rs.15,000 for cash.
Dec 03	Sold goods to Suresh for Rs.12,000.
Dec 08	Sold goods to Karan Rs.35,000 less discount 10%.
Dec 10	Sold goods to Sundar for cash Rs.30,000.
Dec 15	Goods returned by Sundar Rs.5,000.
Dec 20	Purchased goods from Naveen Rs.20,000.
Dec 21	Bought goods from Ajay Rs.6,500.
Dec 25	Allowances claimed from Ajay for shortage Rs.50.
Dec 30	Sold old newspaper to Thomas Rs.200 on credit.
Dec 31	Sold goods to Bimal Rs.2,000.

5. Record the following transactions of Mr.Vinod Ltd. in two column cash book:

Date	Particulars	Amt. (Rs.)
2020		
Jan 01	Bank Balance	48,000
	Cash Balance	12,000
Jan 04	Purchased goods for cash	6,000
Jan 08	Bought goods by cheque	15,000
Jan 12	Sold goods for cash	11,000
Jan 15	Purchased Machinery by cheque	7,500
Jan 16	Sold goods and receive cheque and deposited into bank	8,500
Jan 20	Bought Stationeries by cheque	2,000
Jan 21	Cheque given to Rohith	3,500
Jan 27	Withdrawn cash from bank for office	10,000
Jan 30	Rent paid by cheque	3,000
Jan 31	Paid salaries	4,000

* * *

36314

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

(NEP Syllabus – 2021-22)

Accountancy

Time : 2 Hours Max. Marks : 60

PART – A

Answer **any five** of the following questions, **2** marks each : **(5 × 2 = 10)**

1. Define Accounting.

2. Define Book-keeping.

3. What do you mean by accounting concepts?

4. What do you understand the term journals?

5. What in Accounting Standards?

6. What is Reconciliation Statement?

7. What do you understand the term "Honour of Bill"?

8. What is trial balance?

PART – B

Answer **any five** of the following questions, **4** marks each : **(5 × 4 = 20)**

9. Mention the objectives of accounting.

10. Explain the rules of Accounting.

11. Briefly explain the branches of accounting.

12. Enter the following transactions in the Sales book of Kumath, a provision merchant :

    2010, February

    1 Sold goods to Anand and Co., Bangalore, 10 bags of Rice at Rs. 120 per bag

    8 Sold good to Shivu Mumbai 10 bags of wheat at Rs.50 per bag

    10 Sold to Chinnu and Co., Cochin, 10 bags of groundnut at Rs.100 per bag

    Prepare a Sales Book.

P.T.O.

13. From the following information, prepare Trading A/c for the year ending 31.03. 2020 :

Opening stock – Rs.56,000

Purchases – Rs.10,50,000

Sales – Rs.12,40,000

Closing stock – Rs.84,000

Freight and carriage inwards – Rs.6,000.

Wages – Rs.4,000

14. Enter the following transactions in the purchase return book :

2015, February

1 Returned goods worth Rs.100 to Ram and Co. Mangalore

10 Returned goods worth Rs.50 to Ruthwik Harihar

20 Allowance claimed from Raju, Udupi for shortage Rs.30

15. On 1st April 2015, Ramesh sold goods to Satish to Rs. 4,000 and drew a 3 month bill on him for the amount. Satish accepted it and returns it to Ramesh. Pass journal entries in the books of Ramesh (Drawer).

16. Mention the causes of Bank Reconciliation Statements.

PART – C

Answer **any three** of the following questions, **10** marks each : **(3 × 10 = 30)**

17. Journalise the following transactions in the books of Raghu :

2015, January

1 Raghu commenced business with cash Rs.10,000

2 Paid into bank Rs.1,000

4 Bought goods for cash Rs.1,000

6 Sold goods for cash Rs.500

7 Sold goods to Murthy on credit Rs.600

15 Purchased furniture for cash Rs.1,500

20 Paid salary to Manager Rs.1,200

25 Received commission from Suresh Rs.50

28 Paid postage Rs.30

30 Paid Rent Rs.400

30 Purchased goods for cash Rs.2,000

18. Prepare a correct Trial Balance from the following transactions :

Particulars	Debit Rs.	Credit Rs.
Capital	24,000	–
Stock 1st Jan 2013	8,500	–
Furniture	2,600	–
Purchases	–	8,950
Cash at bank	7,300	–
Carriage	300	–
Sales	–	22,500
Buildings	12,000	–
Returns inwards	–	1,900
Returns outwards	350	–
Trade expenses	1,000	–
Discount received	970	–
Salary	3,000	–
Office Rent	–	2,270
	60,020	35,620

19. Enter the following transactions in Sri Ganesh's Simple Cash Book :

2005, April

1 Balance of cash in hand Rs.3,000

8 Purchased goods for cash from X for Rs.640

15 Sold goods for cash Rs.960

20 Received commission Rs.130

22 Paid commission Rs.110

28 Paid to Shantharam on account Rs.1,430

30 Paid salary to office clerk Rs.200 and

30 Paid to Rent. Rs.400

20. From the following trial balance of Rajan, prepare Trading, Profit & Loss A/c and Balance Sheet as on 31st Dec 2015 :

Trial balance as on 31.12.2015.

	Dr. (Rs.)	Cr. (Rs.)
Rajan's Capital	–	29,000
Rajan's Drawings	760	–
Purchases and Sales	8,900	15,000
Sales and Purchases returns	280	450
Stock (1.1.2015)	1,200	–
Wages	800	–
Building	22,000	–
Freight and Carriage	2,000	–
Trade expenses	200	–
Advertisement	240	–
Interest received	–	350
Tax and insurance	130	–
Debtors and Creditors	6,500	1,200
Bills Receivable & Bills payable	1,500	700
Cash at Bank	1,390	–
Salaries	800	–
	46,700	46,700

Adjustment : Stock on 31st Dec 2015 was valued at Rs.1,500.

21. Explain the Accounting concepts and conventions.

96119

I Semester B.Com. Degree Examination, July/August 2023

(NEP Syllabus)

Accounting for Everyone (Open Elective)

Time : 2 Hours Max. Marks : 60

Answer **all** the questions. Choose one full question from each Part.

1. (a) What do you mean by Accounting? **(2)**

   (b) What are the needs of Accounting? **(4)**

   (c) Explain 4 Internal users of Accounting? **(6)**

   Or

   (d) Explain External users of Accounting information. **(12)**

2. (a) What is Double Entry System? **(2)**

   (b) Classify the following accounts as personal, real and nominal :

   (i) Stock of goods

   (ii) Customers

   (iii) Royalty

   (iv) Karnataka Traders Account **(4)**

   (c) Prepare a personal account of Varun from the following transactions in the books of Ganesh :

   2021 January

   1 Debit balance of Varun ₹ 10,050

   5 Bought from Varun ₹ 1,500

   7 Cheque issued to Varun ₹ 1,800

   9 Sold to Varun ₹ 3,500

   12 Ganesh sold goods to Varun ₹ 1,600

   14 Varun sold goods to Ganesh ₹ 900

   20 Received cheque from Varun ₹ 1,800

   24 Varun claimed an allowance of ₹ 300 for damaged goods

   28 Varun received goods returned by Ganesh ₹ 450 **(6)**

   Or

P.T.O.

(d) Journalize the following transactions :

2021 June

1 Rao started business with cash ₹ 40,000

3 Rao paid for portage ₹ 25

5 Rao purchases goods from Sam ₹ 3,000

10 Rao sold goods to Suresh ₹ 4,000

14 Rao returned goods to Sam ₹ 1,000

15 Suresh returned goods to Rao ₹ 2,000

18 Rao paid salaries ₹ 5,000

25 Rao received cash from Suresh ₹ 2,000

28 Rao paid the amount due to Sam in cash

29 Rao paid for stationery ₹ 100

30 Rao received commission ₹ 2,000 **(12)**

3. (a) What do you mean by Accounting equations? **(2)**

(b) Write the differences between Capital receipts and Revenue receipts. **(4)**

(c) Prepare Trading Account from the following balances extracted from the ledger for the year ended 31st March 2021. Closing stock is ₹ 20,000 .

	Debit Rs.	Credit Rs.
Stock on 1/4/2020	15,000	–
Purchases	90,000	–
Sales	–	1,00,000
Wages	3,000	–
Carriage inwards	5,000	–
Cleaning charges	1,000	–
Purchases returns	1,000	–
Sales returns	18,000	–
Purchases returns	–	7,000

(6)

Or

(d) From the trial balance and other particulars given below you are required to prepare Trading and Profit and Loss A/c for the year ending 31/3/2021 and Balance Sheet as on that date :

Particulars	Debit Rs.	Credit Rs.
Drawings and Capital	6,820	93,230
Purchases and Sales	83,290	1,26,177
Debtors and Creditors	47,800	22,680
Returns	7,422	3,172
Wages	9,915	–
Manufacturing expenses	2,500	–
Stock on 1.4.2020	21,725	–
Factory fuel and power	542	–
Office salaries	3,745	–
Factory lighting	392	–
Carriage outward	960	–
Plant and machinery	55,000	–
Fixtures and fittings	1,720	–
Bills payable	–	6,422
Travelling expenses	925	–
Cash in hand	68	–
Cash at bank	2,425	–
Rent and taxes	1,765	–
Office expenses	2,778	–
Discount allowed	422	–
Insurance	570	–
Carriage inwards	897	–
	2,51,681	2,51,681

Adjustments :

1. Stock on 31/3/2021 ₹ 16,580.
2. Insurance prepaid ₹ 70.
3. Wages outstanding ₹ 800, outstanding salaries ₹ 350 and outstanding rent ₹ 150.
4. Depreciate plant and machinery by 5% and fixtures and fittings by 10%.
5. Reserve 2½% of debtors for bad debts. **(12)**

4. (a) What do you mean by Share? **(2)**

   (b) State any four differences between Shares and Debentures. **(4)**

   (c) State the differences between Public company and Private company. **(6)**

Or

   (d) Write the specimen of vertical format of Company Profit and Loss Account and Balance sheet. **(12)**

5. (a) What do you mean by Secretarial Audit report? **(2)**

   (b) What are the types of Reports? **(4)**

   (c) Explain the users of Annual report. **(6)**

Or

   (d) Explain the essentials of good management report. **(12)**
