

# ACCOUNTS

**Maximum Marks: 80**  
**Time Allowed: Three hours**

*(Candidates are allowed additional 15 minutes for only reading the paper.  
They must NOT start writing during this time.)*

**The Question Paper contains three sections.**

**Section A is compulsory for all candidates.**

**Candidates have to attempt all questions from either Section B or Section C.**

**There are internal choices provided in each section.**

**The intended marks for questions or parts of questions are given in the brackets [ ].**

**All calculations should be shown clearly.**

**All working, including rough work, should be done on the same page as, and adjacent to, the rest of the answer.**

## SECTION A (60 Marks)

*Answer all questions.*

### Question 1

In subparts (i) to (iv) choose the correct options and in subparts (v) to (x) answer the questions as instructed.

- (i) Nikhil, Akhil and Amber are partners in a firm. At the time of Akhil's retirement, Amber takes over furniture of ₹ 12,000 at ₹ 10,000. [1]

Choose the correct journal entry from the following options to record this adjustment.

- (a) Debit Furniture Account ₹ 10,000; Credit Amber's Capital Account ₹ 10,000  
(b) Debit Furniture Account ₹ 12,000; Credit Amber's Capital Account ₹ 10,000;  
Credit Revaluation Account ₹ 2,000  
(c) Debit Amber's Capital Account ₹ 10,000; Credit Furniture Account ₹ 10,000  
(d) Debit Amber's Capital Account ₹ 10,000; Debit Revaluation Account ₹ 2,000;  
Credit Furniture Account ₹ 12,000

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**Turn over**

- (ii) Select the *correct* statement from the following options. [1]
- (a) A debenture holder is entitled to receive dividend on his debentures from the company even if the company has incurred losses.
  - (b) A debenture holder is entitled to receive interest on his debentures from the company only if the company has made profits.
  - (c) A debenture holder is entitled to receive interest on his debentures from the company only after dividend has been paid by the company to its shareholders.
  - (d) A debenture holder is entitled to receive interest on his debentures from the company even if the company has incurred losses.
- (iii) On the dissolution of the firm, Partner Rex agreed to take over the responsibility of completing the dissolution work at an agreed remuneration of ₹ 1,000 and to bear all realisation expenses. The actual realisation expenses amounted to ₹ 1,300 which were paid by the firm on Rex's behalf. [1]
- What amount will be debited by the firm to the Realisation Account?
- (a) ₹ 1,000
  - (b) ₹ 2,300
  - (c) ₹ 1,300
  - (d) ₹ 300
- (iv) ABC Ltd. offered 60,000 shares of ₹ 10 each to the public. The public applied for 1,00,000 shares. The company made pro-rata allotment in the ratio of 3:2 and the remaining applications were rejected and money refunded to the applicants. [1]
- On how many shares did the company refund the application money?
- (a) 40,000 shares
  - (b) 10,000 shares
  - (c) 30,000 shares
  - (d) 20,000 shares
- (v) Give the formula used for calculating goodwill of a partnership firm by the *Weighted Average Profit Method*. [1]
- (vi) A firm had given a loan to one of its partners. Give the journal entry to *close* this Loan Account at the time of dissolution of the partnership firm. [1]
- (vii) Mention the heading and sub-heading under which *Vehicles* are shown in the Balance Sheet of a company prepared as per Schedule III of the Companies Act, 2013. [1]

- (viii) Sunrise Ltd., a listed NBFC, had outstanding 20,000, 7% Debentures of ₹100 each, due for redemption on 31<sup>st</sup> March, 2022. [1]

As per the provisions of the Companies Act, 2013, what amount, if any, does the company need to transfer to Debenture Redemption Reserve, before it can redeem the debentures?

- (ix) Pooja and Meher are partners in a firm. They admit Rati into the firm on the following terms: [1]

- (a) Unrecorded Debtors of ₹ 1,000 to be brought into the books.
- (b) Provision for doubtful debts to be created @ 5% on Debtors.

The recorded debtors in the Balance Sheet of Pooja and Meher on the date of Rati's admission were ₹ 25,000.

What will be the *net debtors* to be shown in the Balance Sheet of the reconstituted firm?

- (x) On 1<sup>st</sup> April, 2021, Bhim Ltd. issued 2,000, 5% Debentures of ₹ 100 each as follows: [1]

- (a) For cash at a discount of 5% ₹ 80,000 (Nominal)
- (b) To a vendor for ₹ 60,000 in satisfaction of his claim ₹ 70,000 (Nominal)
- (c) To Bankers for a loan of ₹ 40,000 as collateral security ₹ 50,000 (Nominal)

The interest on these debentures was to be paid annually on 31<sup>st</sup> March every year by the company.

You are required to calculate interest on these debentures payable by the company on 31<sup>st</sup> March, 2022.

## Question 2

Pia, Sia and Jiya are partners in a firm sharing profits and losses in the ratio of 3:2:1. Pia died on 31<sup>st</sup> October, 2021. Her capital as on 1<sup>st</sup> April, 2021, was ₹ 24,000 and her share of profit for the year 2021-22 till the date of her death, was ascertained as ₹ 2,000.

*Additional information:*

- (i) Office Equipment of the firm, the book value of which was ₹ 10,000 on 1<sup>st</sup> April, 2021, was revalued on the date of Pia's death at ₹ 13,600.
- (ii) The amount of ₹ 35,000 due to Pia's executor in full settlement of the claim, was transferred to her executor's loan account.

You are required to prepare Pia's capital account to be rendered to her executor.

OR

Vinay, Tarun and Arjun are partners in a firm sharing profits and losses in the ratio of 4:3:2 respectively. On Tarun's retirement from the firm on 1<sup>st</sup> April, 2022, his capital account, after all adjustments, stood at ₹ 1,14,000.

The partners decided that:

- (i) Tarun to be paid 50% of the amount due to him immediately and the balance by accepting a Bill of Exchange (without interest) payable at the expiry of 3 months.
- (ii) The continuing partners to re-adjust their capitals in their new profit-sharing ratio in the reconstituted firm. Any surplus / deficit in their capital accounts to be adjusted through their current accounts.

Upon re-adjustment of their capitals, Vinay's capital showed a deficit of ₹ 1,000 while Arjun's capital had a surplus of ₹ 1,000.

**You are required to pass journal entries to record:**

- (i) The closing of the retiring partner's capital account.
- (ii) Adjustment of surplus / deficit in the capital accounts of the continuing partners.

### Question 3

[3]

On 1<sup>st</sup> April, 2022, Lighthouse Ltd. purchased land from Bricks Ltd. The payment was made on the same day by:

- (i) Issuing a bank draft for ₹ 20,00,000;
- (ii) Drawing a Promissory Note in favour of Bricks Ltd. for ₹ 10,00,000;
- (iii) Issuing 8,000, 10% Debentures of ₹ 100 each at par, redeemable at a premium of 10%, after three years.

**You are required to pass necessary journal entries in the books of Lighthouse Ltd. on the date of purchase of land.**

### Question 4

[3]

Jerome Ltd., an unlisted manufacturing company, had 20,000, 6% Debentures of ₹ 100 each due for redemption at par on 31<sup>st</sup> March, 2022. On this date the company had the required amount of ₹ 2,00,000 in its Debenture Redemption Reserve.

The Debenture Redemption Investment which was purchased on 30<sup>th</sup> April, 2021, was realised at 98% on the date of redemption and the debentures were redeemed on the due date.

**You are required to pass journal entries in the books of the company for the year 2021-22. (Ignore interest on debentures).**

OR



On 1<sup>st</sup> April, 2017, Gabriel Ltd., a listed company, issued 3,000, 8% Debentures of ₹ 100 each. *One-third* of the Debentures were redeemed at par on 31<sup>st</sup> March, 2021, and the remaining *two-third* on 31<sup>st</sup> March, 2022.

The company paid interest on debentures annually on 31<sup>st</sup> March.

After meeting the requirements of the Companies Act, 2013, regarding Debenture Redemption Investment, the debentures were redeemed by the company.

**You are required to record necessary journal entries in the books of the company *only* on 31<sup>st</sup> March, 2022, including entries for interest on debentures.**

**Question 5**

**[3]**

Viraj, Harsh and Akhil are partners in a firm sharing profits and losses in the ratio of  $\frac{4}{9} : \frac{1}{3} : \frac{2}{9}$ . Akhil dies on 31<sup>st</sup> March, 2022. Viraj acquires  $\frac{4}{9}$  of Akhil's share and the balance is acquired by Harsh.

On the date of Akhil's death, it was decided to value the goodwill of the firm on the basis of *two years' purchase of average super profit*.

The average net profit made by the firm is ₹ 49,000 per annum.

The remuneration of the partners, considered as management cost, is estimated to be ₹ 9,000 per annum.

The total value of assets and liabilities of the firm is ₹ 2,20,000 and ₹ 80,000 respectively.

The normal rate of return in the industry is 15%.

**You are required to calculate:**

- (i) The gaining ratio of the continuing partners.
- (ii) The value of non-purchased goodwill of the firm.

**Question 6**

**[6]**

Sunrise Ltd. was formed on 1<sup>st</sup> November, 2021, with a capital of ₹ 20,00,000 divided into Equity shares of ₹ 20 each.

It offered 95% shares to the public which were all subscribed for.

60% amount was payable on application;

30% on allotment;

And the balance on final call.

The applicants paid ₹ 11,40,000 on application and ₹ 5,40,000 on allotment.

Final call was not made by the company till the Balance Sheet date.

**You are required to prepare:**

- (i) An extract of the Balance Sheet showing Share Capital.
- (ii) Notes to Accounts.

**Question 7****[6]**

Mita and Sita, sharing profits in the ratio of 2:1, decided to dissolve their partnership firm on 31<sup>st</sup> March, 2022, on which date their Balance Sheet was as under:

**Balance Sheet of Mita and Sita**  
**As at 31<sup>st</sup> March, 2022**

| Liabilities       | (₹)    | Assets             | (₹)    |
|-------------------|--------|--------------------|--------|
| Sundry Creditors  | 40,000 | Land & Building    | 29,000 |
| Sita's Son's Loan | 2,000  | Plant & Machinery  | 20,000 |
| Bank Overdraft    | 8,000  | Stock              | 3,000  |
| Capital Accounts: |        | Debtors            | 26,400 |
| Mita              | 20,000 | Less Provision for |        |
| Sita              | 10,000 | doubtful debts     | 400    |
|                   | 30,000 | Bank               | 2,000  |
|                   | 80,000 |                    | 80,000 |

The partnership firm was dissolved on the date of the Balance Sheet subject to the following adjustments:

- Trade creditors accepted plant and machinery at an agreed valuation of 10% less than the book value and the balance in cash in full settlement of their claims.
- Debtors of ₹ 1,000 proved bad.
- Sita took over the stock at a discount of 20%.
- Realisation expenses of ₹ 1,100 were paid by the firm.

**You are required to prepare the Realisation Account.**

**Question 8****[6]**

Benu and Leena are partners in a firm sharing profits and losses in the ratio of 5:3. They admit Deepa and Erica as two new partners.

The new profit-sharing ratio is decided to be 3:2:2:3.

Both the new partners introduce ₹ 1,00,000 each as capital.

Deepa pays ₹ 40,000 in cash for her share of goodwill but Erica is unable to contribute any amount for her share of goodwill.

At the time of Deepa's and Erica's admission, the firm had an Advertisement Suspense Account of ₹ 56,000 which is written off.

**You are required to pass necessary journal entries to record the above adjustments at the time of admission of Deepa and Erica.**

**OR**

Greg and Rohit are partners in a firm sharing profits and losses in the ratio of 2:3.

Their Balance Sheet as at 31<sup>st</sup> March, 2022, is given below:

**Balance Sheet of Greg and Rohit  
As at 31<sup>st</sup> March, 2022**

| Liabilities        |        | (₹)    | Assets             |       | (₹)    |
|--------------------|--------|--------|--------------------|-------|--------|
| Sundry Creditors   |        | 15,000 | Goodwill           |       | 10,000 |
| Outstanding Salary |        | 5,000  | Office Equipment   |       | 37,000 |
| General Reserve    |        | 8,000  | Sundry Debtors     | 6,400 |        |
| Capital Accounts:  |        |        | Less Provision for |       |        |
| Greg               | 25,000 |        | doubtful debts     | 400   | 6,000  |
| Rohit              | 10,000 | 35,000 | Cash               |       | 10,000 |
|                    |        | 63,000 |                    |       | 63,000 |

On 1<sup>st</sup> April, 2022, they admit Kunal as a new partner on the following terms:

- The new profit-sharing ratio of Greg, Rohit and Kunal to be 5:3:2.
- Kunal to bring his share of capital of ₹ 25,000 and his share of goodwill of ₹ 5,000 in cash.
- Office Equipment to be valued at ₹ 42,000.

**You are required to prepare Partners' Capital Accounts.**

## Question 9

The *fixed* capital accounts of Shiv, Azeem and Angad, sharing profits and losses in the ratio of 2:2:1, stood at ₹ 4,00,000, ₹ 6,00,000 and ₹ 2,00,000 respectively.

The accounts for the year ended 31<sup>st</sup> March, 2022, were drawn up and closed and the *Current Account* balances of the partners were determined to be:

Shiv ₹ 35,000, Azeem ₹ 40,000 and Angad ₹ 25,000.

Subsequently the following errors were discovered on 1<sup>st</sup> April, 2022:

- (a) Interest on capital @ 10% per annum had been allowed to the partners, although there was *no* provision for it in the partnership deed.
- (b) Salary of ₹ 16,000 per annum to Shiv and ₹ 20,000 per annum to Azeem was *not* allowed to them, *despite* a provision for salary in the partnership deed.
- (c) Commission of ₹ 24,000 was *not* allowed to Angad, *despite* a provision for commission in the partnership deed.

You are required to prepare the *adjusted Current Accounts* of the partners on 1<sup>st</sup> April, 2022, to rectify the lapse in accounting.

OR

Ruma and Neha started business on 1<sup>st</sup> April, 2021, with *fixed* capitals of ₹ 4,00,000 and ₹ 3,50,000 respectively.

On 1<sup>st</sup> October, 2021, they decided that their total capital (*fixed*) should be ₹ 8,00,000, in their profit-sharing ratio of 3:2.

Accordingly, they introduced extra capital or withdrew excess capital.

Their partnership deed provided for the following:

- (a) Interest on capital to be allowed @ 10% per annum.
- (b) A monthly salary of ₹ 1,000 each to be allowed to both Ruma and Neha.
- (c) Interest on drawings to be charged @ 18% per annum.

Ruma had withdrawn ₹ 12,000, during the year. As per the deed, the interest on her drawings amounting to ₹ 1,080 to be charged from her.

During the year ending 31<sup>st</sup> March, 2022, the firm earned a net profit of ₹ 2,04,000 *before* charging manager's commission of ₹ 20,400 and interest on bank loan of ₹ 4,000.

You are required to:

- (i) Give the journal entry to *close* Ruma's Drawings Account.
- (ii) Prepare Profit and Loss Appropriation Account for the year ending 31<sup>st</sup> March, 2022.



**Question 10****[10]**

NH Ltd., with an authorized capital of ₹ 10,00,000 divided into 1,00,000 Equity shares of ₹ 10 each, issued 50,000 shares to the public at a premium of ₹ 2 per share, payable as follows:

- ₹ 5 on Application (including premium)
- ₹ 3 on Allotment
- ₹ 4 on First & Final Call.

The subscription was at par and the share money was received in full with the exception of the allotment money on 4,000 shares held by shareholder Ravi and the call money on 6,000 shares (including Ravi's shares).

The above 6,000 shares were forfeited by the company and 5,000 of these (including the shares which had been allotted to Ravi) were reissued at ₹ 8 per share as fully paid up.

**You are required to pass journal entries to record the above transactions in the books of the company.**

**OR**

MV Ltd. was registered with a capital of ₹ 2,00,000 divided into 10,000 Equity shares of ₹ 20 each, payable as follows:

- On Application ₹ 5 per share
- On Allotment ₹ 7 per share
- On First & Final Call ₹ 8 per share

The company offered 5,000 shares to the public for subscription. It received applications for 6,700 shares.

From amongst the applicants:

- (i) Vimal, who had applied for 1,500 shares, paid ₹ 7,500 on application, but was allotted only 800 shares.
- (ii) Abhay, who had applied for 2,000 shares, paid the full amount of ₹ 40,000 with his application, but was allotted only 1,000 shares.
- (iii) Nitin, who had applied for and allotted 500 shares, did not pay the allotment and call money when due.
- (iv) The remaining applicants paid as and when due.

The surplus money paid by both Vimal and Abhay was used towards allotment and call and any surplus beyond the call was refunded.

The company forfeited Nitin's shares after the final call.

**You are required to pass journal entries to record the above transactions in the books of the company.**

## SECTION B (20 Marks)

Answer all questions

### Question 11

In subparts (i) and (ii) choose the correct options and in subparts (iii) to (v) answer the questions as instructed.

- (i) A company had Current Assets of ₹ 3,00,000 and Current Liabilities of ₹ 1,50,000, having a Current Ratio of 2:1. [1]  
What will be the company's revised Current Ratio after it collects ₹ 20,000 cash from its debtors of ₹ 25,000, the remaining debtors being bad?
- (a) 2.56:1  
(b) 2.03:1  
(c) 2.13:1  
(d) 1.97:1
- (ii) During the year 2021-22, SM Ltd. issued 10,000, 10% Debentures of ₹ 100 each at a discount of 10% to be redeemed after three years. The company had a balance of ₹ 60,000 in its Securities Premium Reserve. [1]  
What amount will be added under Operating Activities as Discount on issue of Debentures written off in the Cash Flow Statement of SM Ltd. for the year 2021-22?
- (a) ₹ 10,00,000  
(b) ₹ 60,000  
(c) ₹ 1,00,000  
(d) ₹ 40,000
- (iii) State with reason whether *Provision for Doubtful Debts* is subtracted from Trade Receivables while computing Current Ratio. [1]
- (iv) While preparing its Cash Flow Statement, will a company consider an increase in its Bank Overdraft as an Operating Activity or as a Financing Activity? [1]
- (v) What is meant by *inter-firm analysis*? [1]

## Question 12

[3]

From the following data of Horizon Ltd., you are required to prepare a Comparative Statement of Profit and Loss.

| Particulars                           | 31.03.2022 | 31.03.2021 |
|---------------------------------------|------------|------------|
| from Operations (% of Other Income)   | 100%       | 100%       |
| Income                                | ₹ 1,00,000 | ₹ 50,000   |
| Cost of Materials consumed            | ₹ 50,000   | ₹ 20,000   |
| Depreciation and Amortisation Expense | ₹ 10,000   | ₹ 5,000    |

## Question 13

[6]

From the following information of Hoopla Ltd., you are required to prepare a Cash Flow Statement (as per AS 3) for the year 2021-22.

| Particulars   | (₹)       |
|---|-----------|
| (i) Profit for the year 2021-22, <i>before</i> considering dividend and tax but <i>after</i> taking into account the following items: | 15,80,000 |
| (a) Depreciation on Property, Plant & Equipment   | 5,50,000  |
| (b) Interest Payable on Bank Loan   | 3,80,000  |
| (c) Profit on sale of investments, the book value of which was ₹ 2,20,000   | 1,00,000  |
| (ii) During the year 2021-22:   |           |
| (a) The company   |           |
| • Paid Tax (which was provided in 2020-21)  | 4,40,000  |
| • Issued 66,000 equity shares of ₹10 each   | 6,60,000  |
| • Repaid Bank Loan  | 15,00,000 |
| • Paid interest on Bank Loan  | 3,00,000  |
| • Paid Dividend   | 5,00,000  |
| (b) Trade payables decreased by   | 10,000    |
| (c) Cash at bank increased from ₹ 60,000 on 1 <sup>st</sup> April, 2021 to ₹ 7,00,000 on 31 <sup>st</sup> March, 2022                 |           |

OR

From the following Balance Sheets of Rainbow Ltd., you are required to prepare a Cash Flow Statement (as per AS 3) for the year 2021-22.

**Balance Sheets of Rainbow Ltd.**

**As at 31<sup>st</sup> March, 2022 and 31<sup>st</sup> March, 2021**

| Particulars   | Note No. | 31.3.2022<br>(₹) | 31.3.2021<br>(₹) |
|---|----------|------------------|------------------|
| <b>I EQUITY AND LIABILITIES</b>                     |          |                  |                  |
| 1. Shareholders' Funds                              |          |                  |                  |
| (a) Share Capital (Equity)                          |          | 4,00,000         | 4,00,000         |
| (b) Reserves and Surplus                            | 1.       | 1,60,000         | 1,20,000         |
| 2. Non-Current Liabilities                          |          |                  |                  |
| Long-term Borrowings (5% Debentures)                |          | 3,50,000         | 2,60,000         |
| 3. Current Liabilities                              |          |                  |                  |
| Short term Provision (Provision for Tax)            |          | 30,000           | 25,000           |
| <b>TOTAL</b>  |          | <b>9,40,000</b>  | <b>8,05,000</b>  |
| <b>II ASSETS</b>                                    |          |                  |                  |
| 1. Non-Current Assets                               |          |                  |                  |
| Property, Plant & Equipment & Intangible Assets     |          |                  |                  |
| (i) Property, Plant & Equipment (Plant & Machinery) |          | 6,00,000         | 7,80,000         |
| 2. Current Assets                                   |          |                  |                  |
| Cash & Bank Balances (Cash at Bank)                 |          | 3,40,000         | 25,000           |
| <b>TOTAL</b>  |          | <b>9,40,000</b>  | <b>8,05,000</b>  |

**Notes to Accounts:**

| Particulars                             | 31.3.2022<br>(₹) | 31.2.2021<br>(₹) |
|---|------------------|------------------|
| <b>1. Reserves and Surplus</b>          |                  |                  |
| General Reserve                         | 30,000           | 20,000           |
| Balance in Statement of Profit and Loss | 1,30,000         | 1,00,000         |

**Additional information:**

During the year 2021-22, the company:

- Sold a machine for ₹ 90,000 at a loss of ₹ 10,000.
- Issued the 5% Debentures on 31<sup>st</sup> March, 2022, at a discount of 10%. The discount was written off from General Reserve.



**Question 14****[6]****Answer any three of the following questions:**

- (i) Calculate Debt to Total Assets Ratio of Moonlight Ltd. (up-to two decimal places) from the following information:

| Particulars                                       | (₹)       |
|---|-----------|
| Property, Plant & Equipment and Intangible Assets | 20,00,000 |
| Shares of XYZ Bank Ltd.                           | 1,00,000  |
| Long term Loans and Advances                      | 1,00,000  |
| Current Assets                                    | 10,00,000 |
| Current Liabilities                               | 4,00,000  |
| Total Debt  | 12,00,000 |

- (ii) Calculate Trade Payables Turnover Ratio (up-to two decimal places) from the following information:

| Particulars                                 | (₹)      |
|---|----------|
| Trade Payables at the beginning of the year | 70,000   |
| Trade Payables at the end of the year       | 80,000   |
| Payment to Trade Payables                   | 3,20,000 |
| Returns to Credit Suppliers                 | 30,000   |

- (iii) Calculate Quick Ratio (up-to two decimal places) from the following information:

| Particulars          | (₹)    |
|----------------------|--------|
| Total Current Assets | 90,000 |
| Working Capital      | 60,000 |
| Prepaid Expenses     | 30,000 |

- (iv) In the year 2021-22, Kartik Ltd.:

- Carried an average stock of ₹ 40,000.
- Its Inventory Turnover Ratio was 8 times.
- It sold goods at a profit of 25% on the cost of revenue from operations.

**Calculate the profit made by Kartik Ltd. in the year 2021-22.**

## SECTION C (20 Marks)

Answer *all* questions

### Question 15

In subparts (i) and (ii) choose the correct option and in subparts (iii) to (v) answer the questions as instructed.

- (i) Which of the following formulas in Excel will **NOT** give any result? [1]
- (a) = SUM(Sales)–A3
  - (b) = SUM(A1:A5)\*.5
  - (c) = SUM(A1:A5) / (10–10)
  - (d) = SUM(A1:A5)–10
- (ii) Which one of the following terms is **NOT** related to computerised databases? [1]
- (a) Search
  - (b) Sort
  - (c) Field names
  - (d) Record grab
- (iii) Which formula will capture the correct number of numerical values from the following range? [1]  
A2:A5 & C2:C5
- (iv) Give the meaning of the MODE function in Excel with an example. [1]
- (v) When editing a cell in Excel, which key or combination of keys is pressed to toggle between relative, absolute and mixed cell references? [1]

### Question 16

- (i) What is a *view* in SQL? [3]
- (ii) How is a view created in SQL?

**Question 17****[6]**

Uday and Bijoy are partners in a firm. On 1<sup>st</sup> April, 2022, they admit Kabir as a partner for  $\frac{1}{3}$  share in the profits. The adjustments on the date of admission are as follows:

**2022**

April 1 Bank Loan to be paid off.

April 1 Kabir to bring in capital of ₹ 40,000 but would be unable to bring in his share of goodwill in cash.

These transactions are recorded in the following spreadsheet:

|    | A           | B   | C            | D         | E          |
|----|-------------|---|--------------|-----------|------------|
|    | Date        | Particulars                                   | Ledger Folio | Debit (₹) | Credit (₹) |
|    | <b>2022</b> | <b>Closing Balances</b>                       |              |           |            |
| 1  | March 31    | Bank A/c                                      |              | 15,000    |            |
| 2  | March 31    | Uday's Capital Balance                        |              |           | 40,000     |
| 3  | March 31    | Bijoy's Capital Balance                       |              |           | 30,000     |
| 4  | March 31    | Bank Loan                                     |              |           | 10,000     |
|    | <b>2022</b> | <b>Transactions</b>                           |              |           |            |
| 5  | April 1     | Bank A/c                                      |              | 40,000    |            |
| 6  | April 1     | To Kabir's Capital A/c                        |              |           | 40,000     |
| 7  | April 1     | Kabir's Current A/c                           |              | ?         |            |
| 8  | April 1     | To Uday's Capital A/c                         |              |           | 3,000      |
| 9  | April 1     | To Bijoy's Capital A/c                        |              |           | ?          |
| 10 | April 1     | Bank Loan A/c                                 |              | 10,000    |            |
| 11 | April 1     | To Bank A/c                                   |              |           | 10,000     |
|    | <b>2022</b> | <b>Opening balances of reconstituted firm</b> |              |           |            |
| 12 | April 1     | Bank A/c                                      |              | ?         |            |
| 13 | April 1     | Uday's Capital A/c                            |              |           | ?          |

Based on the above transactions and the information given in the spreadsheet, answer any three of the following questions:

- Write the formula to calculate Kabir's share of the non-purchased goodwill in cell D7.
- Write the formula to calculate Uday's opening capital balance in cell E13.
- Write the formula to calculate the opening Bank balance of the reconstituted firm in cell D12.
- Give the amount of total value of the non-purchased goodwill of the firm at the time of Kabir's admission.

**Question 18**

**[6]**

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

- (i) Give the difference between *Database State* and *Database Schema*.
- (ii) State the following rules of DBMS:
  - Entity Integrity
  - Referential Integrity
- (iii) Give *any two* differences between *Static (embedded) SQL* and *Dynamic SQL*.
- (iv) How is index hunting helpful? Give *any two* measures to achieve index hunting.

