



**Prahladrai Dalmia Lions College of Commerce & Economics**  
(Government Aided & Affiliated to University of Mumbai & AICTE, New Delhi) NAAC Re-accredited  
with 'A' Grade (III Cycle)  
ISO 21001: 2018 Certified

**Date: 20/08/26**

**NOTICE**

**B. COM (INVESTMENT MANAGEMENT)**

**FYBIM (Semester I)**

**CIA Internal Project Assignment Submission August, 2026**

**Instructions for the students for internal project submission:**

1. Date & Time of Assignment Submission - **As per the time table given below.**
2. Students have to be present in person for the submission.
3. Internal project topics are also uploaded on the college website.
4. Submission of projects or assignments to be done on proper A4 size paper, handwritten by the candidate himself only.
5. The Front page should contain details of Roll no, Name of the student, Semester, Subject along with certificate provided by the class mentors.
6. If the student fails to present himself on the given date and time he will be marked **ABSENT** for the said subject.
7. Any Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.

|                                                                                                                                     |                                                                                                                                              |                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Ms. Mansi Bafna</b><br>(BIM Co-ordinator) | <br><b>Ms. Subhashini Naikar</b><br>(Vice-Principal, SFC) | <br><b>Prof. (Dr.) D. N. Ganjewar</b><br>(Principal) |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

**DI/R-IPS/EXAM/00**

**SCHEDULE OF VIVA VOCE FYBIM**

| Sr. No | Date       | Day    | Time    | Name of Course                                     | Name of Faculty     |
|--------|------------|--------|---------|----------------------------------------------------|---------------------|
| 1      | 07/09/2026 | Monday | 10:20am | Personal Financial Planning (10.20 am to 11.20 am) | Ms. Shalini Chauhan |

| Sr. No | Date       | Day       | Time    | Name of Course                                                          | Name of Faculty        |
|--------|------------|-----------|---------|-------------------------------------------------------------------------|------------------------|
| 2      | 07/09/2026 | Monday    | 11:30am | Environmental Management & Sustainable Development                      | Ms. Bhavika Panicker   |
| 3      | 08/09/2026 | Tuesday   | 9:00am  | Application of MS Excel in Business (Lab 1st Floor) 9:00 am to 11:00 am | Mr. Aditya Mahyavanshi |
| 4      | 08/09/2026 | Tuesday   | 12:30pm | Investment Operations                                                   | Ms. Mansi Bafna        |
| 5      | 09/09/2026 | Wednesday | 11:30am | Indian Constitution I                                                   | Mr. Hitesh Sharma      |
| 6      | 09/09/2026 | Wednesday | 12:30pm | Indian Knowledge System                                                 | Mr. Prashant Pandey    |
| 8      | 10/09/2026 | Thursday  | 11:30am | Financial Mathematics                                                   | Mr. Aditya Mahyavanshi |
| 9      | 11/09/2026 | Friday    | 11:30am | Financial Accounting                                                    | Mr. Hitesh Sharma      |
| 10     | 11/09/2026 | Friday    | 2:00pm  | Co-curricular                                                           | Mr. Hitesh Sharma      |
| 11     | 12/09/2026 | Saturday  | 12:30pm | Business Communication Skills                                           | Ms. Naini Mandal       |

## 1. Financial Mathematics

### NOTE:

Don't change the question number and sequence allotted to respective student roll number.

| Roll Number | Attendance % | Sum Number to be Solved                            | Total Sums |
|-------------|--------------|----------------------------------------------------|------------|
| 101         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 102         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 103         | 8.33         | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 104         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 105         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 106         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 107         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 108         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 109         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 110         | 8.33         | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 111         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 112         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 113         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 114         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 115         | 58.33        | 2,4,6,8,9,10,12,14,16                              | 9          |
| 116         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 117         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 118         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 119         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 120         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 121         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 122         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 123         | 8.33         | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 124         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 125         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 126         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |

| Roll Number | Attendance % | Sum Number to be Solved                            | Total Sums |
|-------------|--------------|----------------------------------------------------|------------|
| 127         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 128         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 129         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 130         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 131         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 132         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 133         | 100          | 5,7,10,15,20                                       | 5          |
| 134         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 135         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 136         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 137         | 83.33        | 5,7,10,15,20                                       | 5          |
| 138         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 139         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 140         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 141         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 142         | 100          | 5,7,10,15,20                                       | 5          |
| 143         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 144         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 145         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 146         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 147         | 75           | 5,7,10,15,20                                       | 5          |
| 148         | 83.33        | 5,7,10,15,20                                       | 5          |
| 149         | 58.33        | 2,4,6,8,9,10,12,14,16                              | 9          |
| 150         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 151         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 152         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 153         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 154         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 155         | 83.33        | 5,7,10,15,20                                       | 5          |

| Roll Number | Attendance % | Sum Number to be Solved                            | Total Sums |
|-------------|--------------|----------------------------------------------------|------------|
| 156         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 157         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 158         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 159         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 160         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |

1. Calculate Arithmetic mean for the following data:

| Class interval | 10-30 | 30-50 | 50-70 | 70-90 | 90-110 | 110-130 |
|----------------|-------|-------|-------|-------|--------|---------|
| Frequency      | 4     | 10    | 14    | 12    | 8      | 6       |

2. Calculate Median for the following data:

| Class interval | 10-30 | 30-50 | 50-70 | 70-90 | 90-110 | 110-130 |
|----------------|-------|-------|-------|-------|--------|---------|
| Frequency      | 6     | 7     | 10    | 15    | 8      | 11      |

3. Calculate Mode for the following data:

| Class interval | 10-30 | 30-50 | 50-70 | 70-90 | 90-110 | 110-130 |
|----------------|-------|-------|-------|-------|--------|---------|
| Frequency      | 6     | 7     | 10    | 15    | 8      | 11      |

4. Calculate  $D_3$  for the following data:

| Class interval | 10-30 | 30-50 | 50-70 | 70-90 | 90-110 | 110-130 |
|----------------|-------|-------|-------|-------|--------|---------|
| Frequency      | 6     | 7     | 10    | 15    | 8      | 11      |

5. Calculate  $P_{34}$  for the following data:

| Class interval | 10-30 | 30-50 | 50-70 | 70-90 | 90-110 | 110-130 |
|----------------|-------|-------|-------|-------|--------|---------|
| Frequency      | 6     | 7     | 10    | 15    | 8      | 11      |

6. Calculate Arithmetic mean for the following data:

| X | 10 | 11 | 12 | 13 | 14 | 15 |
|---|----|----|----|----|----|----|
| F | 6  | 7  | 10 | 15 | 8  | 11 |

7. Calculate Median for the following data:

| X | 10 | 11 | 12 | 13 | 14 | 15 |
|---|----|----|----|----|----|----|
|---|----|----|----|----|----|----|

|   |   |   |    |    |   |    |
|---|---|---|----|----|---|----|
| F | 6 | 7 | 10 | 15 | 8 | 11 |
|---|---|---|----|----|---|----|

**8. Calculate Mode for the following data:**

|   |    |    |    |    |    |    |
|---|----|----|----|----|----|----|
| X | 10 | 11 | 12 | 13 | 14 | 15 |
| F | 6  | 7  | 10 | 15 | 8  | 11 |

**9. Calculate Arithmetic mean for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**10. Calculate Median for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**11. Calculate Mode for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**12. Calculate  $Q_1$  for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**13. Calculate  $Q_3$  for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**14. Calculate  $D_1$  for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**15. Calculate  $D_7$  for the following data:**

|                |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|
| Class interval | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Frequency      | 5     | 9     | 10    | 8     | 8     | 6     |

**16. Calculate  $Q_1$  for the following data:**

|                |     |      |       |       |       |       |
|----------------|-----|------|-------|-------|-------|-------|
| Class interval | 0-5 | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 |
|----------------|-----|------|-------|-------|-------|-------|

|                  |   |   |    |   |   |   |
|------------------|---|---|----|---|---|---|
| <b>Frequency</b> | 5 | 9 | 15 | 8 | 8 | 6 |
|------------------|---|---|----|---|---|---|

**17. Calculate  $Q_3$  for the following data:**

|                       |              |              |              |              |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Class interval</b> | <b>20-30</b> | <b>30-40</b> | <b>40-50</b> | <b>50-60</b> | <b>60-70</b> | <b>70-80</b> |
| <b>Frequency</b>      | 5            | 10           | 14           | 7            | 12           | 9            |

**18. Calculate  $D_9$  for the following data:**

|                       |            |             |              |              |              |              |
|-----------------------|------------|-------------|--------------|--------------|--------------|--------------|
| <b>Class interval</b> | <b>0-5</b> | <b>5-10</b> | <b>10-15</b> | <b>15-20</b> | <b>20-25</b> | <b>25-30</b> |
| <b>Frequency</b>      | 5          | 9           | 15           | 8            | 8            | 6            |

**19. Calculate  $P_{63}$  for the following data:**

|                       |              |              |              |              |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Class interval</b> | <b>20-30</b> | <b>30-40</b> | <b>40-50</b> | <b>50-60</b> | <b>60-70</b> | <b>70-80</b> |
| <b>Frequency</b>      | 5            | 10           | 14           | 7            | 12           | 9            |

**20. Calculate Mode for the following data:**

|                       |              |              |              |              |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Class interval</b> | <b>20-30</b> | <b>30-40</b> | <b>40-50</b> | <b>50-60</b> | <b>60-70</b> | <b>70-80</b> |
| <b>Frequency</b>      | 5            | 10           | 14           | 7            | 12           | 9            |

## **2. Investment Operations**

Every student must write the assignment as per the number of times specified against their attendance percentage, as given in the table below:

| <b>Attendance %</b>  | <b>Assignment Submission Criteria</b> |
|----------------------|---------------------------------------|
| <b>90% and Above</b> | Assignment to be written once         |
| <b>75% to 89.99%</b> | Assignment to be written twice        |
| <b>50% to 74.99%</b> | Assignment to be written thrice       |
| <b>25% to 49.99%</b> | Assignment to be written five times   |
| <b>Less than 25%</b> | Assignment to be written 10 times     |

**Answer the following questions :**

1. Explain how KYC helps prevent financial fraud and money laundering.
2. Differentiate between PAN, KYC and Central KYC.
3. Explain the process of dematerialisation of securities.
4. Explain the process of rematerialisation.
5. Explain the role of the Depository Participant in dematerialisation.
6. Explain the major steps involved in the KYC process.
7. Explain the role of KYC Registration Agencies.
8. Explain the procedure involved in change of name of an investor.

### **3. Financial Accounting**

#### **1. Pass journal entries in the books of M/s Raj Traders:**

1. Started business with cash ₹5,00,000.
2. Purchased goods for cash ₹1,00,000 plus CGST 9% and SGST 9%.
3. Purchased goods from Amit ₹2,00,000 plus GST @18% on credit.
4. Sold goods for cash ₹1,50,000 plus GST @18%.
5. Sold goods to Ravi ₹2,50,000 plus GST @18% on credit.
6. Paid carriage ₹20,000.
7. Paid salary ₹30,000.
8. Purchased furniture for ₹50,000 plus GST @18% by bank.
9. Received ₹2,00,000 from Ravi by bank.
10. Paid ₹1,50,000 to Amit by bank.

#### **2. From the following Trial Balance, prepare Manufacturing Account, Trading Account, Profit & Loss Account and Balance Sheet for the year ended 31st March 2026.**

| Particulars               | Debit ₹  | Credit ₹  |
|---------------------------|----------|-----------|
| Opening Raw Material      | 2,00,000 | ---       |
| Purchases of Raw Material | 9,00,000 | ---       |
| Direct Wages              | 3,50,000 | ---       |
| Factory Salaries          | 80,000   | ---       |
| Factory Rent              | 1,00,000 | ---       |
| Power & Fuel              | 90,000   | ---       |
| Factory Repairs           | 40,000   | ---       |
| Office Salaries           | 1,00,000 | ---       |
| Selling Expenses          | 60,000   | ---       |
| Carriage Inward           | 50,000   | ---       |
| Carriage Outward          | 30,000   | ---       |
| Opening Work-in-Progress  | 70,000   | ---       |
| Opening Finished Goods    | 1,20,000 | ---       |
| Machinery                 | 8,00,000 | ---       |
| Debtors                   | 4,00,000 | ---       |
| Cash                      | 1,00,000 | ---       |
| Capital                   | ---      | 12,00,000 |

| Particulars | Debit ₹ | Credit ₹  |
|-------------|---------|-----------|
| Sales       | ---     | 18,00,000 |
| Creditors   | ---     | 2,00,000  |

**Adjustments:**

1. Closing Raw Material ₹2,50,000.
2. Closing Work-in-Progress ₹90,000.
3. Closing Finished Goods ₹1,60,000.
4. Direct wages outstanding ₹20,000.
5. Factory rent outstanding ₹10,000.
6. Depreciation on machinery @ 10%.

**3. What is a Journal? Explain its features and advantages.**

**4. Define Ledger. Why is posting from Journal to Ledger necessary?**

**5. Differentiate between Journal and Ledger.**

**6. What is a Trial Balance? State its objectives and limitations.**

**7. Explain the methods of preparing a Trial Balance.**

## **4. Business Communication**

1. Why is internal communication considered the backbone of an organization? Explain with practical examples.
2. Identify and explain the different channels of internal communication used in modern organizations. Which channel do you think is the most effective? Justify your answer.
3. Compare formal and informal channels of communication. Discuss their advantages and limitations with real-life workplace examples.
4. Imagine you are the HR Manager of a company with 500 employees. Which communication channels would you use to communicate: a new company policy; an urgent safety alert; employee appreciation; a festive celebration. Explain the reason behind each choice.

### **Case: Communication Breakdown at BrightTech Solutions**

BrightTech Solutions introduced a new work-from-home policy through an email sent only to department heads. Some managers shared the information with their teams through WhatsApp, while others forgot to communicate it altogether. As a result, employees reported to the office on different days, meetings were missed, and confusion spread through rumours. Employee satisfaction declined, and management received several complaints.

Answer the following questions:

1. Identify the communication channels used in the case.
2. What communication mistakes were made by the management?
3. Which communication channels could have been used to avoid confusion?

## **5. Indian Constitution**

### ***Indian Constitution Assignment***

#### **Instructions**

- Assignment should be hand written.
- It should not exceed 8-10 pages.
- Attempt any 4 topics

#### **Topics**

1. The historical background of the Indian Constitution.
2. The role of Dr. B.R. Ambedkar in drafting the Constitution.
3. Comparative study of fundamental rights and directive principles.
4. Federalism in India: Challenges and opportunities.
5. Amendment to the constitution and their implication on Indian society and politics.
6. Judicial review and its role in upholding the Constitution.
7. Fundamental duties: citizen responsibility in Democracy.
8. Freedom of speech and expression: limits and responsibility.
9. The balance between national security and individual freedoms.
10. Freedom of speech in the age of social media.
11. Right to privacy as a fundamental right.
12. The role of education in promoting fundamental duties.
13. Relevance and implementation of fundamental duties in modern India.
14. Judicial activism and fundamental rights.
15. Constitutional amendments and basic structure doctrine.
16. Comparative analysis of fundamental rights across different democracies.
17. Role of Supreme Court in upholding the constitutional values: challenges faced by Supreme Court.
18. Comparing powers of High Court and Supreme Court.
19. Election dispute and the role of the High Court.
20. PILs as a tool for social change.
21. Case studies on judicial activism.
22. Future challenges for PIL and judicial activism.
23. The role of the High Court in state level governance.

## **6. Environmental Management & Sustainable Development**

### ***Environmental Management & Sustainable Development Internal Assignment***

This is to inform all FYBIM- Semester I students that internal assessment for EMSD (10 marks) will be evaluated on the basis of the following criteria:

1. Write and submit the assignment on A4 size paper ONLY on the topics given below in the given format.
2. The students must submit individual assignments in the following order: a. Certificate b. Introduction c. Environmental Issue (Topic Assigned) d. Examples e. Learnings from the Study f. Conclusion
3. The topics as per roll numbers are given below. Students must strictly work on the topics assigned to them.
4. All the papers must be arranged in proper order and stapled together.
5. A Google link will be provided to the students on the day to upload their Assignment.
6. If the student fails to present himself / herself on the given date and time, they will be marked ABSENT for the subject.
7. Any submissions after the above-mentioned date and time will not be accepted and entertained under any circumstances.

| <b>Roll Numbers</b> | <b>Topics</b>                                        |
|---------------------|------------------------------------------------------|
| <b>101 - 105</b>    | Air Pollution: Sources, Effects and Control Measures |
| <b>106 - 110</b>    | Urbanisation and Its Impact on Land Degradation      |
| <b>111 - 115</b>    | Noise Pollution: Urban Sources and Health Effects    |
| <b>116 - 120</b>    | Water Pollution: Rivers and Case Studies             |
| <b>121 - 125</b>    | Deforestation: A Global Concern                      |
| <b>126 - 130</b>    | Ozone Layer Depletion                                |
| <b>131 - 135</b>    | Biodiversity Loss: A Concerning Issue                |
| <b>136 - 140</b>    | Soil Pollution and Agriculture                       |
| <b>141 - 145</b>    | Loss of Green Cover in Urban Spaces                  |
| <b>146 - 150</b>    | Industrial Pollution                                 |
| <b>151 - 155</b>    | Air Pollution in Indian Cities                       |
| <b>156 - 160</b>    | Climate Changes Between 2020 and 2026                |

## **7. Application of MS Excel in Business**

### **NOTE:**

**Don't change the question number and sequence allotted to respective student roll number.**

| <b>Roll Number</b> | <b>Attendance %</b> | <b>Sum Number to be Solved</b>                     | <b>Total Sums</b> |
|--------------------|---------------------|----------------------------------------------------|-------------------|
| 101                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 102                | 16.67               | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 103                | 8.33                | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 104                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 105                | 33.33               | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15                |
| 106                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 107                | 50                  | 1,3,5,7,9,11,12,13,15,17,19                        | 11                |
| 108                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 109                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 110                | 8.33                | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 111                | 41.67               | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13                |
| 112                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 113                | 16.67               | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 114                | 16.67               | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 115                | 58.33               | 2,4,6,8,9,10,12,14,16                              | 9                 |
| 116                | 41.67               | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13                |
| 117                | 50                  | 1,3,5,7,9,11,12,13,15,17,19                        | 11                |
| 118                | 66.67               | 1,3,13,14,16,18,19                                 | 7                 |
| 119                | 33.33               | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15                |
| 120                | 66.67               | 1,3,13,14,16,18,19                                 | 7                 |
| 121                | 33.33               | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15                |
| 122                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 123                | 8.33                | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 124                | 16.67               | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 125                | 0                   | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |
| 126                | 16.67               | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20                |

| Roll Number | Attendance % | Sum Number to be Solved                            | Total Sums |
|-------------|--------------|----------------------------------------------------|------------|
| 127         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 128         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 129         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 130         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 131         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 132         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 133         | 100          | 5,7,10,15,20                                       | 5          |
| 134         | 66.67        | 1,3,13,14,16,18,19                                 | 7          |
| 135         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 136         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 137         | 83.33        | 5,7,10,15,20                                       | 5          |
| 138         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 139         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 140         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 141         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 142         | 100          | 5,7,10,15,20                                       | 5          |
| 143         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 144         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 145         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 146         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 147         | 75           | 5,7,10,15,20                                       | 5          |
| 148         | 83.33        | 5,7,10,15,20                                       | 5          |
| 149         | 58.33        | 2,4,6,8,9,10,12,14,16                              | 9          |
| 150         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 151         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 152         | 50           | 1,3,5,7,9,11,12,13,15,17,19                        | 11         |
| 153         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 154         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 155         | 83.33        | 5,7,10,15,20                                       | 5          |

| Roll Number | Attendance % | Sum Number to be Solved                            | Total Sums |
|-------------|--------------|----------------------------------------------------|------------|
| 156         | 41.67        | 1,2,3,5,7,11,13,14,16,17,18,19,20                  | 13         |
| 157         | 25           | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |
| 158         | 0            | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 159         | 16.67        | 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20 | 20         |
| 160         | 33.33        | 2,4,5,7,9,10,11,12,13,14,15,16,17,18,19            | 15         |

1. Write steps to insert 2-D column chart for Science subject.

|    | A       | B       | C     | D       | E     | F |
|----|---------|---------|-------|---------|-------|---|
| 1  | NAME    | ENGLISH | MATHS | SCIENCE | TOTAL |   |
| 2  | HARISH  | 67      | 55    | 79      | 201   |   |
| 3  | MANOJ   | 56      | 65    | 89      | 210   |   |
| 4  | RAKESH  | 9       | 90    | 69      | 168   |   |
| 5  | SMITA   | 64      | 49    | 89      | 202   |   |
| 6  | ASHISH  | 65      | 78    | 55      | 198   |   |
| 7  | RAHUL   | 78      | 90    | 39      | 207   |   |
| 8  | SHEETAL | 56      | 65    | 45      | 166   |   |
| 9  | KETAN   | 55      | 65    | 76      | 196   |   |
| 10 | BHASKAR | 55      | 59    | 89      | 203   |   |

2. Write steps to insert 2-D column chart for maths subject.

|    | A       | B       | C     | D       | E     | F |
|----|---------|---------|-------|---------|-------|---|
| 1  | NAME    | ENGLISH | MATHS | SCIENCE | TOTAL |   |
| 2  | HARISH  | 67      | 55    | 79      | 201   |   |
| 3  | MANOJ   | 56      | 65    | 89      | 210   |   |
| 4  | RAKESH  | 9       | 90    | 69      | 168   |   |
| 5  | SMITA   | 64      | 49    | 89      | 202   |   |
| 6  | ASHISH  | 65      | 78    | 55      | 198   |   |
| 7  | RAHUL   | 78      | 90    | 39      | 207   |   |
| 8  | SHEETAL | 56      | 65    | 45      | 166   |   |
| 9  | KETAN   | 55      | 65    | 76      | 196   |   |
| 10 | BHASKAR | 55      | 59    | 89      | 203   |   |

3. Write steps to insert 2-D column chart for English subject.

|    | A       | B       | C     | D       | E     | F |
|----|---------|---------|-------|---------|-------|---|
| 1  | NAME    | ENGLISH | MATHS | SCIENCE | TOTAL |   |
| 2  | HARISH  | 67      | 55    | 79      | 201   |   |
| 3  | MANOJ   | 56      | 65    | 89      | 210   |   |
| 4  | RAKESH  | 9       | 90    | 69      | 168   |   |
| 5  | SMITA   | 64      | 49    | 89      | 202   |   |
| 6  | ASHISH  | 65      | 78    | 55      | 198   |   |
| 7  | RAHUL   | 78      | 90    | 39      | 207   |   |
| 8  | SHEETAL | 56      | 65    | 45      | 166   |   |
| 9  | KETAN   | 55      | 65    | 76      | 196   |   |
| 10 | BHASKAR | 55      | 59    | 89      | 203   |   |

4. Write steps to insert 2-D column chart for total.

|    | A       | B       | C     | D       | E     | F |
|----|---------|---------|-------|---------|-------|---|
| 1  | NAME    | ENGLISH | MATHS | SCIENCE | TOTAL |   |
| 2  | HARISH  | 67      | 55    | 79      | 201   |   |
| 3  | MANOJ   | 56      | 65    | 89      | 210   |   |
| 4  | RAKESH  | 9       | 90    | 69      | 168   |   |
| 5  | SMITA   | 64      | 49    | 89      | 202   |   |
| 6  | ASHISH  | 65      | 78    | 55      | 198   |   |
| 7  | RAHUL   | 78      | 90    | 39      | 207   |   |
| 8  | SHEETAL | 56      | 65    | 45      | 166   |   |
| 9  | KETAN   | 55      | 65    | 76      | 196   |   |
| 10 | BHASKAR | 55      | 59    | 89      | 203   |   |

5. Write steps to create salary slip for the given data.

|    | A         | B            | C     | D   | E  | F     | G  | H   | I      |
|----|-----------|--------------|-------|-----|----|-------|----|-----|--------|
| 1  | HRA RATE  | 15%          | BONUS | 10% |    |       |    |     |        |
| 2  | DA RATE   | 10%          | PF    | 20% |    |       |    |     |        |
| 3  | MA RATE   | 20%          | TAX   | 18% |    |       |    |     |        |
| 4  |           |              |       |     |    |       |    |     |        |
| 5  | EMP. NAME | BASIC SALARY | HRA   | DA  | MA | BONUS | PF | TAX | SALARY |
| 6  | SATISH    | 25000        |       |     |    |       |    |     |        |
| 7  | NIKHIL    | 30000        |       |     |    |       |    |     |        |
| 8  | YASH      | 35000        |       |     |    |       |    |     |        |
| 9  | KALIKA    | 20000        |       |     |    |       |    |     |        |
| 10 | JANHAVI   | 22000        |       |     |    |       |    |     |        |

6. Write steps to calculate net salary for the given data.

|    | A         | B            | C        | D   | E  | F          | G |
|----|-----------|--------------|----------|-----|----|------------|---|
| 1  |           |              | HRA RATE | 15% |    |            |   |
| 2  |           |              | DA RATE  | 10% |    |            |   |
| 3  |           |              | MA RATE  | 20% |    |            |   |
| 4  |           |              |          |     |    |            |   |
| 5  | EMP. NAME | BASIC SALARY | HRA      | DA  | MA | NET SALARY |   |
| 6  | SATISH    | 25000        |          |     |    |            |   |
| 7  | NIKHIL    | 30000        |          |     |    |            |   |
| 8  | YASH      | 35000        |          |     |    |            |   |
| 9  | KALIKA    | 20000        |          |     |    |            |   |
| 10 | JANHAVI   | 22000        |          |     |    |            |   |

7. Write steps to calculate net salary for the given data.

|    | A         | B            | C   | D  | E  | F   | G          | H |
|----|-----------|--------------|-----|----|----|-----|------------|---|
| 1  |           | HRA RATE     | 15% |    |    |     |            |   |
| 2  |           | TAX RATE     | 18% |    |    |     |            |   |
| 3  |           | MA RATE      | 20% |    |    |     |            |   |
| 4  |           | DA RATE      | 10% |    |    |     |            |   |
| 5  | EMP. NAME | BASIC SALARY | HRA | DA | MA | TAX | NET SALARY |   |
| 6  | SATISH    | 25000        |     |    |    |     |            |   |
| 7  | NIKHIL    | 30000        |     |    |    |     |            |   |
| 8  | YASH      | 35000        |     |    |    |     |            |   |
| 9  | KALIKA    | 20000        |     |    |    |     |            |   |
| 10 | JANHAVI   | 22000        |     |    |    |     |            |   |
| 11 |           |              |     |    |    |     |            |   |

8. Write Steps to find total marks and maximum marks of each students for the given data.

|   | A       | B       | C         | D       | E       | F     | G     | H       | I |
|---|---------|---------|-----------|---------|---------|-------|-------|---------|---|
| 1 |         |         |           |         |         |       |       |         |   |
| 2 | Name    | Biology | Chemistry | Physics | English | Hindi | Total | Maximum |   |
| 3 | sheetal | 56      | 85        | 55      | 44      | 96    |       |         |   |
| 4 | ram     | 74      | 64        | 24      | 94      | 41    |       |         |   |
| 5 | meet    | 55      | 39        | 58      | 44      | 42    |       |         |   |
| 6 | yash    | 30      | 54        | 96      | 42      | 66    |       |         |   |
| 7 | rahul   | 35      | 55        | 69      | 30      | 66    |       |         |   |
| 8 |         |         |           |         |         |       |       |         |   |

9. Write steps to find minimum and average marks of each student.

|   | A       | B       | C         | D       | E       | F     | G       | H       | I |
|---|---------|---------|-----------|---------|---------|-------|---------|---------|---|
| 1 | Name    | Biology | Chemistry | Physics | English | Hindi | Minimum | Average |   |
| 2 | sheetal | 56      | 85        | 35      | 44      | 96    |         |         |   |
| 3 | ram     | 74      | 64        | 24      | 94      | 41    |         |         |   |
| 4 | meet    | 35      | 39        | 58      | 44      | 42    |         |         |   |
| 5 | yash    | 30      | 54        | 96      | 42      | 66    |         |         |   |
| 6 | sagar   | 74      | 56        | 32      | 99      | 75    |         |         |   |
| 7 | riya    | 78      | 46        | 28      | 22      | 46    |         |         |   |
| 8 | nidhi   | 45      | 69        | 43      | 56      | 25    |         |         |   |
| 9 |         |         |           |         |         |       |         |         |   |

10. Write steps to find Minimum and Maximum marks of each student.

|   | A       | B       | C         | D       | E       | F     | G       | H       | I |
|---|---------|---------|-----------|---------|---------|-------|---------|---------|---|
| 1 | Name    | Biology | Chemistry | Physics | English | Hindi | Minimum | Maximum |   |
| 2 | sheetal | 56      | 85        | 35      | 44      | 96    |         |         |   |
| 3 | ram     | 74      | 64        | 24      | 94      | 41    |         |         |   |
| 4 | meet    | 35      | 39        | 58      | 44      | 42    |         |         |   |
| 5 | yash    | 30      | 54        | 96      | 42      | 66    |         |         |   |
| 6 | sagar   | 74      | 56        | 32      | 99      | 75    |         |         |   |
| 7 | riya    | 78      | 46        | 28      | 22      | 46    |         |         |   |
| 8 | nidhi   | 45      | 69        | 43      | 56      | 25    |         |         |   |
| 9 |         |         |           |         |         |       |         |         |   |

11. Write steps to find Minimum marks of each student.

|   | A       | B       | C         | D       | E       | F     | G       | H |
|---|---------|---------|-----------|---------|---------|-------|---------|---|
| 1 | Name    | Biology | Chemistry | Physics | English | Hindi | Minimum |   |
| 2 | sheetal | 56      | 85        | 35      | 44      | 96    |         |   |
| 3 | ram     | 74      | 64        | 24      | 94      | 41    |         |   |
| 4 | meet    | 35      | 39        | 58      | 44      | 42    |         |   |
| 5 | yash    | 30      | 54        | 96      | 42      | 66    |         |   |
| 6 | sagar   | 74      | 56        | 32      | 99      | 75    |         |   |
| 7 | riya    | 78      | 46        | 28      | 22      | 46    |         |   |
| 8 | nidhi   | 45      | 69        | 43      | 56      | 25    |         |   |
| 9 |         |         |           |         |         |       |         |   |

12. Write note on File tab menu in sequence in MS-Excel.

13. Write note on Print option in MS-Excel.

- 14.Short Note on Home Tab in MS Excel (in Sequence)
- 15.Short Note on Insert Tab in MS Excel (in Sequence)
- 16.Write any two methods to open MS-Excel.
- 17.Write steps to make text of cell G2 Italic and underline in MS-Excel
- 18.Write steps to make text of cell G1 Times New Roman and text colour Red in MS-Excel
- 19.Write steps to make text of cell G1 Times New Roman and font size 20 in MS-Excel
- 20.Write steps to make text of cell G1 Times New Roman and Bold in MS-Excel

## **8. Personal Financial Planning**

| <b>Roll Numbers</b> | <b>Topics</b>                                               |
|---------------------|-------------------------------------------------------------|
| <b>1-5</b>          | Importance of Personal Financial Planning in Everyday Life  |
| <b>6-10</b>         | Credit Cards: Benefits, Risks and Responsible Usage         |
| <b>11-15</b>        | Emergency Funds and Their Importance                        |
| <b>16-20</b>        | Retirement Planning and Its Importance                      |
| <b>21-25</b>        | Gold as an Investment Option                                |
| <b>26-30</b>        | How Inflation Affects Personal Financial Planning           |
| <b>31-35</b>        | Financial Planning for Self-Employed Individuals            |
| <b>36-40</b>        | Retirement Planning for Salaried Individuals                |
| <b>41-45</b>        | Tax Planning as a Part of Personal Financial Planning       |
| <b>46-50</b>        | Role of Insurance in Managing Financial Risk                |
| <b>51-55</b>        | Health Insurance and Financial Security                     |
| <b>56-60</b>        | Importance of Life Insurance in Personal Financial Planning |

## **9. Indian Knowledge System**

| <b>Sr. No.</b> | <b>Project Topic</b>                                                             | <b>Roll No.</b> |
|----------------|----------------------------------------------------------------------------------|-----------------|
| <b>1</b>       | Meaning and Characteristics of Indian Knowledge System (IKS)                     | <b>1-05</b>     |
| <b>2</b>       | Impact of Macaulay's Education Policy on Traditional Indian Knowledge            | <b>06-10</b>    |
| <b>3</b>       | Importance of Revisiting Ancient Indian Traditions in Modern Times               | <b>11-15</b>    |
| <b>4</b>       | Nyaya and Logic: Methods of Systematic Thinking in Ancient India                 | <b>16-20</b>    |
| <b>5</b>       | Contributions of Ancient India to Mathematics (Zero, Decimal, Algebra, Geometry) | <b>21-25</b>    |
| <b>6</b>       | Arthashastra and the Ancient Indian Art of Governance                            | <b>26-30</b>    |
| <b>7</b>       | The Gurukul System: Philosophy, Methodology and Relevance Today                  | <b>31-35</b>    |
| <b>8</b>       | Pathashalas: Role in Spreading Elementary Education                              | <b>36-40</b>    |
| <b>9</b>       | Ancient Indian Universities (Nalanda, Takshashila, Vikramshila, Vallabhi, etc.)  | <b>41-45</b>    |
| <b>10</b>      | Comparative Study of Ancient Indian Education and Modern Education               | <b>46-50</b>    |
| <b>11</b>      | Ayurveda: Principles of Holistic Health and Healing                              | <b>51-55</b>    |
| <b>12</b>      | Yoga Philosophy: Meaning and Importance in Daily Life                            | <b>56-60</b>    |

## **10. Co-Curricular**

All students of First Year Semester – I are hereby informed that for the subject (Course) of Co-Curricular activity, the exam pattern is as follows:

**Credits allotted – 02.**

**Internal Assessment – 20 marks (passing marks - 08)**

**External Assessment – 30 marks (passing marks - 12)**

**Students need to pass both Internal & External Exams separately.**

**Submission date – 28/09/2026**

| <b>Sr. No.</b> | <b>Project Topic</b>                    | <b>Roll No.</b> |
|----------------|-----------------------------------------|-----------------|
| 1              | CULTURAL DIVERSITY IN INDIA             | 101 - 105       |
| 2              | DANCE FORMS OF MAHARASHTRA              | 106 - 110       |
| 3              | FORMS OF LITERARY ARTS                  | 111 - 115       |
| 4              | HISTORY OF INDIAN MUSIC                 | 116 - 120       |
| 5              | INDIAN FESTIVALS AND THEIR SIGNIFICANCE | 121 - 125       |
| 6              | FORMS OF DANCE IN INDIA                 | 126 - 130       |
| 7              | FORMS OF THEATRE IN INDIA               | 131 - 135       |
| 8              | CUISINES OF INDIA                       | 136 - 140       |
| 9              | REGIONAL FOLK THEATRE                   | 141 - 145       |
| 10             | FORMS OF FINE ARTS                      | 146 - 150       |
| 11             | FAMILY STRUCTURES IN INDIA              | 151 - 155       |
| 12             | CRICKET AS A UNIFYING FORCE IN INDIA    | 156 - 160       |

### **Instructions and Format of Assignment:**

1. Each student has to submit an independent and individual project of the topic allotted.
2. Assignment Must be written on one side ruled, one side blank paper.
3. Assignment must be of minimum 10, maximum 15 pages.
4. Students can make use of colourful images to make the project creative.
5. The first page (Title Page) of the assignment must have: (i) Names (ii) Roll number (iii) Class (iv) Division (v) Name of the topic (vi) Semester
6. On the day of submission there would be viva voce.
7. Format of the assignment: (i) Title Page (ii) Introduction (iii) Background / History (iv) Information with pictures (v) Current Scenario (vi) Learnings from the project (vii) Conclusion