



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2021 - 2022
Class: XII

Subject : **Informatics Practices (065)**
Book : **Informatics Practices by Sumita Arora(Pub-Dhanpat Rai)**

Subject Coordinator
Name:

Head of Department
Name: Richi Sharma

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2021 - 2022

Subject : Informatics Practices

Class : XII

No. of periods : 5 PW

| Month | Assessed in | Lesson/s to be covered | Period Count |
|----------------|--------------|---|--------------|
| April 2021 | Test 1 | DBMS concepts Class XI, Aggregate Functions, Joins | 15 |
| May 2021 | Test 1 | Joins Continued, Operation on Relations | 8+4 8 |
| June 2021 | X | Data Handling using Pandas -I | 2 |
| July 2021 | Test 2 | Data Handling using Pandas -I continued, Pandas -II | |
| Aug 2021 | Test 2 + HYE | Pandas -II ,Data visualization | |
| September 2021 | HYE | Data visualization continued | |
| October 2021 | PB-1 | Introduction to Computer Networks | |
| November 2021 | PB-1 | Societal Impacts | |
| December 2021 | PB-2 | Revision | |
| January 2022 | PB-2 | Revision | |
| February 2022 | Boards | Revision | |
| March 2022 | Boards | - | |
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Subject coordinator:

HOD: RSA



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly lesson plan overview

Session: 2021 - 2022

Subject : **Informatics Practices** **Class** : **XII**
Book : **IP – Dhanpat Rai Publication** **No. of periods** : **5 PW**

| Date/Week | | Lesson/s to be covered in classroom | Period Count | Status (Yes/No) (Reason if No) | Principal's Sign |
|-------------|-------------|---|--------------|-----------------------------------|------------------|
| From | To | | | | |
| 8 Apr, 21 | 10 Apr, 21 | DBMS Concepts Revision | 5 | | |
| 12 Apr, 21 | 17 Apr, 21 | DBMS Concepts Revision | 5 | | |
| 19 Apr, 21 | 24 Apr, 21 | DBMS Concepts Revision, Aggregate Functions | 5 | | |
| 26 Apr, 21 | 1 May, 21 | Introduction to joins | 5 | | |
| 3 May, 21 | 8 May, 21 | Joins.... | 5 | | |
| 10 May, 21 | 15 May, 21 | Joins.... | 5 | | |
| 17 May, 21 | 22 May, 21 | Joins..., Operations on relations | 5 | | |
| 24 May, 21 | 29 May, 21 | Operations on relations | 5 | | |
| 28 June, 21 | 30 June, 21 | Data Handling using Pandas -I | 2 | | |
| 1 July, 21 | 3 July, 21 | Data Handling using Pandas -I, , Pandas -II | 5 | | |
| 5 July, 21 | 10 July, 21 | Pandas -II | 5 | | |
| 12 July, 21 | 17 July, 21 | Pandas -II | 5 | | |
| 19 July, 21 | 24 July, 21 | Pandas -II | 5 | | |
| 26 July, 21 | 31 July, 21 | Pandas -II | 5 | | |
| 2 Aug, 21 | 7 Aug, 21 | Pandas -II,Data Visulatization | 5 | | |

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|------------|------------|-----------------------------------|----|--|--|
| 9 Aug, 21 | 14 Aug, 21 | Data Visulatization | 5 | | |
| 16 Aug, 21 | 21 Aug, 21 | Data Visulatization | 5 | | |
| 23 Aug, 21 | 28 Aug, 21 | Data Visulatization | 5 | | |
| 30 Aug, 21 | 4 Sep, 21 | Data visualization continued | 5 | | |
| 6 Sep, 21 | 11 Sep, 21 | Data visualization continued | 5 | | |
| 13 Sep, 21 | 18 Sep, 21 | Data visualization continued | 5 | | |
| 20 Sep, 21 | 25 Sep, 21 | HYE | | | |
| 27 Sep, 21 | 2 Oct, 21 | HYE | | | |
| 4 Oct, 21 | 9 Oct, 21 | Introduction to Computer Networks | 5 | | |
| 11 Oct, 21 | 16 Oct, 21 | Introduction to Computer Networks | 5 | | |
| 18 Oct, 21 | 23 Oct, 21 | Introduction to Computer Networks | 3* | | |
| 25 Oct, 21 | 30 Oct, 21 | Introduction to Computer Networks | 5 | | |
| 1 Nov, 21 | 6 Nov, 21 | Introduction to Computer Networks | 2* | | |
| 8 Nov, 21 | 13 Nov, 21 | Societal Impacts | 5 | | |
| 15 Nov, 21 | 20 Nov, 21 | Societal Impacts | 5 | | |
| 22 Nov, 21 | 27 Nov, 21 | Societal Impacts | 5 | | |
| 29 Nov, 21 | 4 Dec, 21 | Revision | 5 | | |
| 6 Dec, 21 | 11 Dec, 21 | Pre Board - 1 | | | |
| 13 Dec, 21 | 18 Dec, 21 | Pre Board - 1 | | | |
| 20 Dec, 21 | 25 Dec, 21 | Revision | 5 | | |

Subject coordinator:

HOD: RSA



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2021 - 2022

Subject : Informatics Practices

Class : XII

No. of periods : 5PW

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|-------------------------------------|------------------------------------|------------------------|-----------------------------------|
| WEEK 1: 8 April to 10 April | | Period Count: 5 | |
| PD1 | DBMS Concepts Revision | | |
| PD2 | DBMS Concepts Revision | | |
| PD3 | DBMS Concepts Revision | | |
| PD4 | X | | |
| PD5 | X | | |
| Note: | | | |
| WEEK 2: 12 April to 17 April | | Period Count: 5 | |
| PD1 | DBMS Concepts Revision | | |
| PD2 | DBMS Concepts Revision | | |
| PD3 | DBMS Concepts Revision | | |
| PD4 | DBMS Concepts Revision | | |
| PD5 | DBMS Concepts Revision | | |
| Note: | | | |
| WEEK 3: 19 April to 24 April | | Period Count: 5 | |
| PD1 | Aggregate Functions | | |

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|-----|---------------------|--|--|
| PD2 | Aggregate Functions | | |
| PD3 | Aggregate Functions | | |
| PD4 | Aggregate Functions | | |
| PD5 | Aggregate Functions | | |

Note:

WEEK 4: 26 April to 1 May

Period Count: 5

| | | | |
|-----|-----------------------|--|--|
| PD1 | Introduction to joins | | |
| PD2 | joins | | |
| PD3 | joins | | |
| PD4 | joins | | |
| PD5 | joins | | |

Note:

WEEK 5: 3 May to 8 May

Period Count: 5

| | | | |
|-----|-------|--|--|
| PD1 | joins | | |
| PD2 | joins | | |
| PD3 | joins | | |
| PD4 | joins | | |
| PD5 | joins | | |

Note:

WEEK 6: 10 May to 15 May

Period Count: 5

| | | | |
|-----|-------------------------|--|--|
| PD1 | Operations on relations | | |
| PD2 | Operations on relations | | |

| | | | |
|-----|-------------------------|--|--|
| PD3 | Operations on relations | | |
| PD4 | Operations on relations | | |
| PD5 | Operations on relations | | |

Note:

WEEK 7: 17 May to 22 May

Period Count: 5

| | | | |
|-----|-----------------------------|--|--|
| PD1 | Practice Questions on joins | | |
| PD2 | Practice Questions on joins | | |
| PD3 | Practice Questions on joins | | |
| PD4 | Practice Questions on joins | | |
| PD5 | Practice Questions on joins | | |

Note:

WEEK 8: 24 May to 29 May

Period Count: 5

| | | | |
|-----|-----------------------------------|--|--|
| PD1 | Operations on relations Questions | | |
| PD2 | Operations on relations Questions | | |
| PD3 | Operations on relations Questions | | |
| PD4 | Operations on relations Questions | | |
| PD5 | Operations on relations Questions | | |

Note:

WEEK 9: 28 June to 3 July

Period Count: 2

| | | | |
|-----|----------------------------|--|--|
| PD1 | Data Handling using Pandas | | |
| PD2 | Data Handling using Pandas | | |
| PD3 | x | | |

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|-----|----------|--|--|
| PD4 | x | | |
| PD5 | x | | |

Note:

WEEK 10: 5 July to 10 July

Period Count: 5

| | | | |
|-----|----------------------------|--|--|
| PD1 | Data Handling using Pandas | | |
| PD2 | Data Handling using Pandas | | |
| PD3 | Data Handling using Pandas | | |
| PD4 | Data Handling using Pandas | | |
| PD5 | Data Handling using Pandas | | |

Note:

WEEK 11: 12 July to 17 July

Period Count: 5

| | | | |
|-----|----------------------------|--|--|
| PD1 | Data Handling using Pandas | | |
| PD2 | Data Handling using Pandas | | |
| PD3 | Data Handling using Pandas | | |
| PD4 | Data Handling using Pandas | | |
| PD5 | Data Handling using Pandas | | |

Note:

WEEK 12: 19 July to 24 July

Period Count: 5

| | | | |
|-----|----------------------------|--|--|
| PD1 | Data Handling using Pandas | | |
| PD2 | Data Handling using Pandas | | |
| PD3 | Data Handling using Pandas | | |
| PD4 | Data Handling using Pandas | | |

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|------------------------------------|----------------------------|------------------------|--|
| PD5 | Data Handling using Pandas | | |
| Note: | | | |
| WEEK 13: 26 July to 31 July | | Period Count: 5 | |
| PD1 | Pandas -II | | |
| PD2 | Pandas -II | | |
| PD3 | Pandas -II | | |
| PD4 | Pandas -II | | |
| PD5 | Pandas -II | | |
| Note: | | | |
| WEEK 14: 2 Aug to 7 Aug | | Period Count: 5 | |
| PD1 | Data Visulatization | | |
| PD2 | Data Visulatization | | |
| PD3 | Data Visulatization | | |
| PD4 | Data Visulatization | | |
| PD5 | Data Visulatization | | |
| Note: | | | |
| WEEK 15: 9 Aug to 14 Aug | | Period Count: 5 | |
| PD1 | Data Visulatization | | |
| PD2 | Data Visulatization | | |
| PD3 | Data Visulatization | | |
| PD4 | Data Visulatization | | |
| PD5 | Data Visulatization | | |

Note:

WEEK 16: 16 Aug to 21 Aug

Period Count: 5

| | | | |
|-----|---------------------|--|--|
| PD1 | Data Visulatization | | |
| PD2 | Data Visulatization | | |
| PD3 | Data Visulatization | | |
| PD4 | Data Visulatization | | |
| PD5 | Data Visulatization | | |

Note:

WEEK 17: 23 Aug to 28 Aug

Period Count: 5

| | | | |
|-----|---------------------|--|--|
| PD1 | Data Visulatization | | |
| PD2 | Data Visulatization | | |
| PD3 | Data Visulatization | | |
| PD4 | Data Visulatization | | |
| PD5 | Data Visulatization | | |

Note:

WEEK 18: 30 Aug to 4 Sep

Period Count: 5

| | | | |
|-----|-------------------------------|--|--|
| PD1 | Data Visulatization Questions | | |
| PD2 | Data Visulatization Questions | | |
| PD3 | Data Visulatization Questions | | |
| PD4 | Data Visulatization Questions | | |
| PD5 | Data Visulatization Questions | | |

Note:

WEEK 19: 6 Sep to 11 Sep**Period Count: 5**

| | | | |
|-----|-------------------------------|--|--|
| PD1 | Data Visulatization Questions | | |
| PD2 | Data Visulatization Questions | | |
| PD3 | Data Visulatization Questions | | |
| PD4 | Data Visulatization Questions | | |
| PD5 | Data Visulatization Questions | | |

Note:**WEEK 20: 13 Sep to 18 Sep****Period Count: 5**

| | | | |
|-----|-----------------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:**WEEK 21: 20 Sep to 25 Sep****Period Count: x**

| | | | |
|-----|--------------------------------|--|--|
| PD1 | Half Yearly Examination | | |
| PD2 | Half Yearly Examination | | |
| PD3 | Half Yearly Examination | | |
| PD4 | Half Yearly Examination | | |
| PD5 | Half Yearly Examination | | |

Note:**WEEK 22: 27 Oct to 2 Oct****Period Count: x**

| | | | |
|-----|--------------------------------|--|--|
| PD1 | Half Yearly Examination | | |
| PD2 | Half Yearly Examination | | |
| PD3 | Half Yearly Examination | | |
| PD4 | Half Yearly Examination | | |
| PD5 | Half Yearly Examination | | |

Note:

WEEK 23: 4 Oct to 9 Oct

Period Count: 5

| | | | |
|-----|-----------------------------------|--|--|
| PD1 | Introduction to Computer Networks | | |
| PD2 | Networking Continued | | |
| PD3 | Networking Continued | | |
| PD4 | Networking Continued | | |
| PD5 | Networking Continued | | |

Note:

WEEK 24: 11 Oct to 16 Oct

Period Count: 5

| | | | |
|-----|----------------------|--|--|
| PD1 | Networking Continued | | |
| PD2 | Networking Continued | | |
| PD3 | Networking Continued | | |
| PD4 | Networking Continued | | |
| PD5 | Networking Continued | | |

Note:

WEEK 25: 18 Oct to 23 Oct

Period Count: 3

| | | | |
|-----|----------------------|--|--|
| PD1 | Networking Continued | | |
| PD2 | Networking Continued | | |
| PD3 | Networking Continued | | |
| PD4 | x | | |
| PD5 | x | | |

Note:

WEEK 26: 25 Oct to 30 Oct

Period Count: 5

| | | | |
|-----|----------------------|--|--|
| PD1 | Networking Continued | | |
| PD2 | Networking Continued | | |
| PD3 | Networking Continued | | |
| PD4 | Networking Continued | | |
| PD5 | Networking Continued | | |

Note:

WEEK 27: 1 Nov to 6 Nov

Period Count: 2

| | | | |
|-----|------------------|--|--|
| PD1 | Societal Impacts | | |
| PD2 | Societal Impacts | | |
| PD3 | x | | |
| PD4 | x | | |
| PD5 | x | | |

Note:

WEEK 28: 8 Nov to 13 Nov

Period Count: 5

| | | | |
|-----|------------------|--|--|
| PD1 | Societal Impacts | | |
|-----|------------------|--|--|

| | | | |
|-----|------------------|--|--|
| PD2 | Societal Impacts | | |
| PD3 | Societal Impacts | | |
| PD4 | Societal Impacts | | |
| PD5 | Societal Impacts | | |

Note:

WEEK 29: 15 Nov to 20 Nov

Period Count: 5

| | | | |
|-----|------------------|--|--|
| PD1 | Societal Impacts | | |
| PD2 | Societal Impacts | | |
| PD3 | Societal Impacts | | |
| PD4 | Societal Impacts | | |
| PD5 | Societal Impacts | | |

Note:

WEEK 30: 22 Nov to 27 Nov

Period Count: 5

| | | | |
|-----|---------------------|--|--|
| PD1 | Project Work | | |
| PD2 | Project Work | | |
| PD3 | Project Work | | |
| PD4 | Project Work | | |
| PD5 | Project Work | | |

Note:

WEEK 31: 29 Nov to 4 Dec

Period Count: 5

| | | | |
|-----|----------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |

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|-----|----------|--|--|
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:

WEEK 32: 6 Dec to 11 Dec

Period Count: 5

| | | | |
|-----|---------------|--|--|
| PD1 | Pre Board - 1 | | |
| PD2 | Pre Board - 1 | | |
| PD3 | Pre Board - 1 | | |
| PD4 | Pre Board - 1 | | |
| PD5 | Pre Board - 1 | | |

Note:

WEEK 33: 13 Dec to 18 Dec

Period Count: 5

| | | | |
|-----|---------------|--|--|
| PD1 | Pre Board - 1 | | |
| PD2 | Pre Board - 1 | | |
| PD3 | Pre Board - 1 | | |
| PD4 | Pre Board - 1 | | |
| PD5 | Pre Board - 1 | | |

Note:

WEEK 34: 20 Dec to 25 Dec

Period Count: 5

| | | | |
|-----|-----------------|--|--|
| PD1 | Pre Board - 1 | | |
| PD2 | Pre Board - 1 | | |
| PD3 | Revision | | |

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|-----|-----------------|--|--|
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:

WEEK 35: 27 Dec to 1 Jan

Period Count: 5

| | | | |
|-----|-----------------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:

WEEK 36: 3 Jan to 8 Jan

Period Count: 5

| | | | |
|-----|---------------|--|--|
| PD1 | Pre Board - 2 | | |
| PD2 | Pre Board - 2 | | |
| PD3 | Pre Board - 2 | | |
| PD4 | Pre Board - 2 | | |
| PD5 | Pre Board - 2 | | |

Note:

WEEK 37: 10 Jan to 15 Jan

Period Count: 5

| | | | |
|-----|---------------|--|--|
| PD1 | Pre Board - 2 | | |
| PD2 | Pre Board - 2 | | |
| PD3 | Pre Board - 2 | | |
| PD4 | Pre Board - 2 | | |

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|----------------------------------|-----------------|------------------------|--|
| PD5 | Pre Board - 2 | | |
| Note: | | | |
| WEEK 38: 17 Jan to 22 Jan | | Period Count: 5 | |
| PD1 | Pre Board - 2 | | |
| PD2 | Pre Board - 2 | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| Note: | | | |
| WEEK 39: 24 Jan to 29 Jan | | Period Count: 5 | |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| Note: | | | |
| WEEK 40: 1 Feb to 6 Feb | | Period Count: 5 | |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:

WEEK 41: 8 Feb to 13 Feb

Period Count: 5

| | | | |
|-----|-----------------------------------|--|--|
| PD1 | Revision + Board Practical | | |
| PD2 | Revision+ Board Practical | | |
| PD3 | Revision+ Board Practical | | |
| PD4 | Revision+ Board Practical | | |
| PD5 | Revision+ Board Practical | | |

Note:

WEEK 42: 15 Feb to 20 Feb

Period Count: 5

| | | | |
|-----|----------------------------------|--|--|
| PD1 | Revision+ Board Practical | | |
| PD2 | Revision+ Board Practical | | |
| PD3 | Revision+ Board Practical | | |
| PD4 | Revision+ Board Practical | | |
| PD5 | Revision+ Board Practical | | |

Note:

WEEK 43: 22 Feb to 27 Feb

Period Count: 5

| | | | |
|-----|----------------------------------|--|--|
| PD1 | Revision+ Board Practical | | |
| PD2 | Revision+ Board Practical | | |
| PD3 | Revision+ Board Practical | | |
| PD4 | Revision+ Board Practical | | |
| PD5 | Revision+ Board Practical | | |

Note:

WEEK 44: 1 Mar to 6 Mar**Period Count: 5**

| | | | |
|-----|----------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:**WEEK 45: 8 Mar to 13 Mar****Period Count: 5**

| | | | |
|-----|----------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:**WEEK 46: 15 Mar to 20 Mar****Period Count: 5**

| | | | |
|-----|----------|--|--|
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |

Note:**WEEK 47: 22 Mar to 27 Mar****Period Count: 5**

| | | | |
|-----|----------|--|--|
| PD1 | x | | |
| PD2 | x | | |
| PD3 | x | | |
| PD4 | x | | |
| PD5 | x | | |

Note:

WEEK 48: 29 Mar to 31 Mar 2022

Period Count: 5

| | | | |
|-----|----------|--|--|
| PD1 | x | | |
| PD2 | x | | |
| PD3 | x | | |
| PD4 | x | | |
| PD5 | x | | |

Note:

| | | | |
|-----|----------|--|--|
| PD1 | x | | |
| PD2 | x | | |
| PD3 | x | | |
| PD4 | x | | |
| PD5 | x | | |

Note:

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Subject coordinator

Supervisor

Principal/V. Principal

