



# ರಾಜ್ಯ ಚಿಕ್ಕಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿದ್ಯಾಸಂಗಮ, ರಾಷ್ಟ್ರೀಯ ಪದ್ಧತಿ- 04, ಭೂತರಾಮನಹಳ್ಳಿ, ಬೆಳಗಾವಿ-591156

(ಸ್ಟ್ಯಾಲ್ ನೋಡ್ಸ್ B+ ಗ್ರೇಡ್ - 2021)

ಉಪಸಚಿವರ ಕಾರ್ಯಾಲಯ, ವಿದ್ಯಾಮಂಡಲ ವಿಭಾಗ

ಸಂಖ್ಯೆ: ರಾಜವಿಜೆ/ಕುಸಾ/ವಿಮವಿ/ಸ್ನಾತಕ/2023-24/1622

ದಿನಾಂಕ: 31 JUL 2023

## 2023-24ನೇ ಸಾಲಿನ ಪ್ರಥಮ ಸೆಮಿಸ್ಟರ್ ಸ್ನಾತಕ (UG) ಕೋರ್ಸುಗಳ ಪರಿಷ್ಕೃತ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿ (ಸೆಮಿಸ್ಟರ್ ಪದ್ಧತಿ)

ಉಲ್ಲೇಖ: 1. 2023-24ನೇ ಸಾಲಿನ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿ ಸಮಿತಿಯ ನಡವಳಿಗಳ ದಿನಾಂಕ: 26.07.2023

2. ಮಾನ್ಯ ಉಪಸಚಿವರ ಅನುಮೋದನೆ ದಿನಾಂಕ : 31.07.2023

ಸದರಿ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿಯನ್ನು ಮೇಲಿನ ಉಲ್ಲೇಖಗಳ ಆಧಾರದ ಅನುಸಾರವಾಗಿ ಸಿದ್ಧಪಡಿಸಲಾಗಿದ್ದು, ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧಿಕಾರ ಇತಿ 80 ಯುಎಸ್ಎ 2023, ಬೆಂಗಳೂರು, ದಿನಾಂಕ 17.07.2023ರಂತೆ 2023-24ನೇ ಸಾಲಿನ 1ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳನ್ನು ದಿನಾಂಕ: 27.07.2023 ರಿಂದ ಮುಂದುವರಿಸಲಾಯಿತು. ಆದರೆ, 2022-23ನೇ ಸಾಲಿನ 2,4 ಮತ್ತು 6ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳ ದಿನಾಂಕವನ್ನು 31.08.2023 ರವರೆಗೆ ನಿಗದಿಪಡಿಸಿದ್ದನ್ನು ಗಮನದಲ್ಲಿಟ್ಟುಕೊಂಡು ವಿದ್ಯಾರ್ಥಿಗಳ ಶೈಕ್ಷಣಿಕ ಒತ್ತಡಕ್ಕಿಂತ 2023-24ನೇ ಸಾಲಿನ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿಯನ್ನು ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ.

ಕ್ರ.ಸಂ.	ವಿವರ	ದಿನಾಂಕ (1ನೇ ಸೆಮಿಸ್ಟರ್) (Online Admission & Admission related academic works through UUCMS)
1	ಸ್ನಾತಕ ಕೋರ್ಸುಗಳ ಸೆಮಿಸ್ಟರ್‌ವಾರು ಪ್ರವೇಶ ಪ್ರಕ್ರಿಯೆ ಪ್ರಾರಂಭದ ಅವಧಿ (ಪ್ರಥಮ ಸೆಮಿಸ್ಟರ್)	29.05.2023
2	ದಂಡರಹಿತವಾಗಿ ಪ್ರವೇಶ ಪಡೆಯುವ ಕೊನೆಯ ದಿನಾಂಕ	22.07.2023
3	ರೂ. 1,000/- ರಂತೆ ದಂಡವೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿ ಪ್ರವೇಶ ಪಡೆಯಲು ಕೊನೆಯ ದಿನಾಂಕ	31.07.2023
4	ರೂ. 1,500/- ರಂತೆ ದಂಡವೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿ ಪ್ರವೇಶ ಪಡೆಯಲು ಕೊನೆಯ ದಿನಾಂಕ	12.08.2023
5	2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ 1ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳು ಪ್ರಾರಂಭ	14.08.2023
6	2023-24ನೇ ಸಾಲಿನ ಪ್ರಥಮ ಸೆಮಿಸ್ಟರ್ ಪ್ರವೇಶಯೋಜನೆಯಲ್ಲಿ ಹೆಸರು ತಿದ್ದುಪಡಿ/ ವಿಷಯ ಬದಲಾವಣೆಯ ದಿನಾಂಕ (ಕೊನೆಯ ವಾರ್ಷಿಕ ಹಾಗೂ ಅವಧಿ ಮೀರಿ ಬಂದ ಅರ್ಜಿಗಳನ್ನು ಪರಿಗಣಿಸುವುದಿಲ್ಲ)	16.08.2023
7	1ನೇ ಸೆಮಿಸ್ಟರ್ ದಂಡರಹಿತ ಮತ್ತು ದಂಡರಹಿತ ಕೋರ್ಸುಗಳ ಪ್ರವೇಶ ಪಡೆದ ವಿದ್ಯಾರ್ಥಿಗಳ ಯಾದಿಯನ್ನು UUCMS ನಲ್ಲಿ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯರಿಂದ ಅನುಮೋದನೆ ನೀಡುವ ಕೊನೆಯ ದಿನಾಂಕ	17.08.2023
8	1ನೇ ಸೆಮಿಸ್ಟರ್ ದಂಡರಹಿತ ಮತ್ತು ದಂಡರಹಿತ ಕೋರ್ಸುಗಳ ಪ್ರವೇಶ ಪಡೆದ ವಿದ್ಯಾರ್ಥಿಗಳ ಯಾದಿಯನ್ನು ಪರಿಶೀಲಿಸುವುದು. (Reconciliation)	28.08.2023 ರಿಂದ 30.09.2023
9	1ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳ ಕೊನೆಯ ದಿನಾಂಕ	08.12.2023
10	1ನೇ ಸೆಮಿಸ್ಟರ್ ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆ/ ಮೌಲ್ಯಮಾಪನ ರಜೆ/ ಲಿಖಿತ ಪರೀಕ್ಷೆ/ ಮೌಲ್ಯಮಾಪನ ಇತ್ಯಾದಿ/ ಫಲಿತಾಂಶ ಪ್ರಕಟಣೆ	09.12.2023 ರಿಂದ 17.01.2024
11	2, 4 ಮತ್ತು 6ನೇ ಸೆಮಿಸ್ಟರ್ ಸ್ನಾತಕ ಕೋರ್ಸುಗಳ ತರಗತಿಗಳ ಪ್ರಾರಂಭದ ದಿನಾಂಕ	18.01.2024
12	2, 4 ಮತ್ತು 6ನೇ ಸೆಮಿಸ್ಟರ್ ಸ್ನಾತಕ ಕೋರ್ಸುಗಳ ತರಗತಿಗಳ ಕೊನೆಯ ದಿನಾಂಕ	11.05.2024
13	2, 4 ಮತ್ತು 6ನೇ ಸೆಮಿಸ್ಟರ್ ಮೌಲ್ಯಮಾಪನ ರಜೆ/ ಲಿಖಿತ ಪರೀಕ್ಷೆ/ ಪ್ರಾಯೋಗಿಕ ಪರೀಕ್ಷೆ/ ಮೌಲ್ಯಮಾಪನ ಇತ್ಯಾದಿ/ ಫಲಿತಾಂಶ ಪ್ರಕಟಣೆ	12.05.2024 ರಿಂದ 29.06.2024

### ಮಾಹಿತಿಗಳು:

- ಮೇಲೆ ನಮೂದಿಸಿದ ದಿನಗಳು ರಜೆ ಎಂದು ಘೋಷಿಸಿದಲ್ಲಿ ತದನಂತರದ ದಿನವನ್ನು ಪರಿಗಣಿಸುವುದು.
- ಪರೀಕ್ಷೆಗಳ ವೇಳಾಪಟ್ಟಿಗಳನ್ನು ಉಪಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ), ರಾಜ್ಯ ಚಿಕ್ಕಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ ಬೆಳಗಾವಿ ಇವರು ಕಾಲಕಾಲಕ್ಕೆ ಪ್ರಕಟಿಸುವರು.
- ಸರಕಾರ/ ವಿಶ್ವವಿದ್ಯಾಲಯ ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಈ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿಯನ್ನು ಒಂದು ವೇಳೆ ಬದಲಾವಣೆ ಮಾಡಿದಲ್ಲಿ ಇದು ಬದಲಾವಣೆಗೆ ಒಳಪಡಬಹುದು.

*[Signature]*  
31/7/2023  
ಉಪಸಚಿವರ ಕಛೇರಿ  
ರಾಜ್ಯ ಚಿಕ್ಕಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ  
ಬೆಳಗಾವಿ

### ಆವರಿಗೆ,

- ಉಪಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ), ರಾಜ್ಯ ಚಿಕ್ಕಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ.
- ರಾಜ್ಯ ಚಿಕ್ಕಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯರಲ್ಲಿ ಬರುವ ಸಂಗೀತ ರಾಜ್ಯ ಪ್ರಥಮ ದರ್ಜೆ ಘಟಕ ಮಹಾವಿದ್ಯಾಲಯ ಹಾಗೂ ಬೆಳಗಾವಿ ಹಾಗೂ ವಿಜಯನಗರ ಜಿಲ್ಲೆಗಳಲ್ಲಿನ ಸ್ನಾತಕ (UG) ಕೋರ್ಸುಗಳನ್ನು ನಡೆಸುತ್ತಿರುವ ಎಲ್ಲ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಂಶುಪಾಲರುಗಳಿಗೆ.

*[Signature]*  
**Co-ordinator.**

**Principal,**  
G. P. Porwal Arts, Comm &  
V. V. Salimath Sc. Cc.  
SINDGI-586128. College





ಬಿಜ್ಜನಗಂಟಿ, ರಾಷ್ಟ್ರೀಯ ಹೆದ್ದಾರಿ- 04, ಭೂತರಾಮನಹಟ್ಟಿ, ಬೆಲಗಾವಿ - 591156  
(ನ್ಯಾಕ್ ಗ್ರೇಡ್ B+ ಗ್ರೇಡ್ - 2021)

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ಪ.ಸಂ.: ರಾಜವಿ/ಬೆಳಗಾವಿ/ಸ್ಮಾರಕ ವಿಭಾಗ/2023-24/2530

ದಿನಾಂಕ: 30 SEP 2023

2023-24ನೇ ಸಾಲಿನ ತೃತೀಯ ಮತ್ತು ಐದನೆಯ ಸೆಮಿಸ್ಟರ್‌ಗಳ ಸ್ನಾತಕ (UG) ಕೋರ್ಸುಗಳ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿ (ಸೆಮಿಸ್ಟರ್ ಪದ್ಧತಿ)

ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ : 30.09.2023  
ಟಿಪ್ಪಣಿ: ಸರಣಿ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿಯನ್ನು ಮೇಲಿನ ಉಲ್ಲೇಖದ ಆದೇಶದ ಅನುಸಾರವಾಗಿ ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ.

ಕ್ರ.ಸಂ.	ವಿವರ	ದಿನಾಂಕ (3 & 5ನೇ ಸೆಮಿಸ್ಟರ್) (Online Admission & Admission related academic works through UUCMS)
1	UUCMS ನಲ್ಲಿ 2, 4ನೇ ಸೆಮಿಸ್ಟರ್‌ಗಳ ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು 2022-23ನೇ ಸಾಲಿನಿಂದ 2023-24ನೇ ಸಾಲಿಗೆ 3, 5ನೇ ಸೆಮಿಸ್ಟರ್‌ಗಳಿಗೆ ಪ್ರಮೋಟ್ ಮಾಡುವ ಕೊನೆಯ ದಿನಾಂಕ (2, 4ನೇ ಸೆಮಿಸ್ಟರ್‌ಗಳ ಪರೀಕ್ಷಾ ಅರ್ಜಿ ಕುರಿತು ವಿವರಗಳನ್ನು ಮಾತ್ರ ಪ್ರಮೋಟ್ ಮಾಡುವುದು)	30.10.2023
2	ಸ್ನಾತಕ ಕೋರ್ಸುಗಳ ಸೆಮಿಸ್ಟರ್‌ವಾರು ಪ್ರವೇಶ ಪ್ರಕ್ರಿಯೆ ಪ್ರಾರಂಭದ ಅವಧಿ	02.11.2023
3	3 & 5 ನೇ ಸೆಮಿಸ್ಟರ್ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಒಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆಯೊಂದಿಗೆ ಮತ್ತು ಪ್ರವೇಶ ಮತ್ತು ಮರುಪ್ರವೇಶ ಹಾಗೂ ಒಂದು ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆ ಪಡೆಯುವ ಪ್ರಾರಂಭದ ದಿನಾಂಕ	02.11.2023
4	2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ 3 & 5ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳು ಪ್ರಾರಂಭ	12.11.2023
5	ದಂಡರಹಿತವಾಗಿ ಪ್ರವೇಶ ಪಡೆಯುವ ಕೊನೆಯ ದಿನಾಂಕ	23.11.2023
6	ರೂ. 1,000/- ರಂತೆ ದಂಡದೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿ ಪ್ರವೇಶ ಪಡೆಯಲು ಕೊನೆಯ ದಿನಾಂಕ	23.11.2023
7	3 & 5 ನೇ ಸೆಮಿಸ್ಟರ್ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಒಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆಯೊಂದಿಗೆ ಮತ್ತು ಪ್ರವೇಶ ಮತ್ತು ಮರುಪ್ರವೇಶ ಹಾಗೂ ಒಂದು ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆ ಪಡೆಯುವ ಕೊನೆಯ ದಿನಾಂಕ	25.11.2023
8	2023-24ನೇ ಸಾಲಿನ 3 & 5ನೇ ಸೆಮಿಸ್ಟರ್ ಪ್ರವೇಶ ಯಾದಿಯಲ್ಲಿ ಹೆಸರು ತಿದ್ದುಪಡಿ/ ವಿಷಯ ಬದಲಾವಣೆಯ ದಿನಾಂಕ (ಕೊನೆಯ ಘಳಿಗೆ ಹಾಗೂ ಅವಧಿ ಮೀರಿ ಒಂದು ಅರ್ಜಿಗಳನ್ನು ಪರಿಗಣಿಸುವುದಿಲ್ಲ)	25.11.2023
9	3 & 5ನೇ ಸೆಮಿಸ್ಟರ್ ದಂಡರಹಿತ ಮತ್ತು ದಂಡರಹಿತ ಕೋರ್ಸುಗಳ ಪ್ರವೇಶ ಪಡೆದ ವಿದ್ಯಾರ್ಥಿಗಳ ಯಾದಿಯನ್ನು UUCMS ನಲ್ಲಿ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯರಿಂದ ಅನುಮೋದನೆ ನೀಡುವ ಕೊನೆಯ ದಿನಾಂಕ	20.02.2024
10	3 ಮತ್ತು 5ನೇ ಸೆಮಿಸ್ಟರ್ ತರಗತಿಗಳ ಕೊನೆಯ ದಿನಾಂಕ	21.02.2024 ರಿಂದ 30.03.2024
11	3 ಮತ್ತು 5ನೇ ಸೆಮಿಸ್ಟರ್ ವ್ಯಾಯೋಗಿಕ ಪರೀಕ್ಷೆ/ಮಧ್ಯಮಾವಧಿ ರಜೆ/ಲಿಖಿತ ಪರೀಕ್ಷೆ/ ಮೌಲ್ಯಮಾಪನ ಇತ್ಯಾದಿ/ ಫಲಿತಾಂಶ ಪ್ರಕಟಣೆ	

- ಸೂಚನೆಗಳು:
- ಮೇಲೆ ನಮೂದಿಸಿದ ದಿನಗಳು ರಜೆ ಎಂದು ಘೋಷಿಸಿದಲ್ಲಿ ತದನಂತರದ ದಿನವನ್ನು ಪರಿಗಣಿಸುವುದು.
  - ಪರೀಕ್ಷೆಗಳ ವೇಳಾಪಟ್ಟಿಗಳನ್ನು ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ), ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ ಬೆಳಗಾವಿ ಇವರು ಕಾಲಕಾಲಕ್ಕೆ ಪ್ರಕಟಿಸುವರು.
  - ಸರಣಿ/ವಿಶ್ವವಿದ್ಯಾಲಯ ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಈ ಶೈಕ್ಷಣಿಕ ವೇಳಾಪಟ್ಟಿಯನ್ನು ಒಂದು ವೇಳೆ ಬದಲಾವಣೆ ಮಾಡಿದಲ್ಲಿ ಇದು ಬದಲಾವಣೆಗೆ ಒಳಪಡಬಹುದು.

ರಾಜಶ್ರೀ ಜೈನಾಪೂರ ಕೆ.ಎ.ಎಸ್.  
ಉಚ್ಚಶಿಕ್ಷಣ  
ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ  
ವಿದ್ಯಾಸಂಗಮ

- ಇವರಿಗೆ,
- ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ), ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ.
  - ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಸಂಗೊಳ್ಳಿ ರಾಯಣ್ಣ ಪ್ರಥಮ ದರ್ಜೆ ಘಟಕ ಮಹಾವಿದ್ಯಾಲಯ ಹಾಗೂ ಬೆಳಗಾವಿ, ವಿಜಯಪುರ, ಬಾಗಲಕೋಟೆ ಜಿಲ್ಲೆಗಳಲ್ಲಿನ ಸ್ನಾತಕ (UG) ಕೋರ್ಸುಗಳನ್ನು ನಡೆಸುತ್ತಿರುವ ಎಲ್ಲ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಂಶುಪಾಲರುಗಳಿಗೆ.

Co-ordinator.

Principal,  
G. P. Porwal Arts, Comm &  
V. V. Salimath Sc. College  
SINDGI-586128. College Code: 5234





# ರಾಣಿಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ

ನಾಡ್ಯಾಂಗಮ, ರಾಷ್ಟ್ರೀಯ ಹೆದ್ದಾರಿ- 04, ಭೂತರಾಮನಹಟ್ಟಿ, ಬೆಲಗಾವಿ - 591156  
(ಸ್ಯಾಟ್ ಮಾನ್ಯತೆ B+ ಗ್ರೇಡ್ - 2021)

## RANI CHANNAMMA UNIVERSITY

Vidyasangama, National Highway - 04, Bhootaramanahatti, Belagavi - 591156

(NAAC Accredited with B+ Grade - 2021)

E-mail:rcuregistrar@gmail.com  
registrar@rcub.ac.in

ಕುಲಸಚಿವರ ಕಾರ್ಯಾಲಯ

Website: www.rcub.ac.in

Phone No.: 0831-2565257/214

Office of the Registrar

ಕ್ರ.ಸಂ. : ರಾಚಿವಿ/ಬೆಳಗಾವಿ/ಕುಸಕಾ/2023-24/2531

ದಿನಾಂಕ: 30 SEP 2023

### ಅಧಿಸೂಚನೆ

ವಿಷಯ : 2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿಗೆ ಸ್ನಾತಕ ಪದವಿಗಳಿಗೆ ನೂತನ ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ನೀತಿ ಅನುಸಾರ ಯು.ಯು.ಸಿ.ಎಂ.ಎಸ್ ಮೂಲಕ ಆನ್‌ಲೈನ್‌ನಲ್ಲಿ ಪ್ರವೇಶಾತಿ ಅರ್ಜಿ ಸಲ್ಲಿಸುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ: 30.09.2023

2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ ಸ್ನಾತಕ ಪ್ರವೇಶಾತಿ ಕುರಿತು ಉಲ್ಲೇಖ(1)ರ ಸರ್ಕಾರದ ಮಾರ್ಗಸೂಚಿ ಆದೇಶದನ್ವಯ ಬಿ.ಎ/ಬಿ.ಕಾಂ/ಬಿ.ಎಸ್ಸಿ/ಬಿ.ಸಿ.ಎ/ಬಿ.ಬಿ.ಎ/ಬಿ.ಎಸ್.ಡಬ್ಲ್ಯು/ಬಿ.ಎಸ್ಸಿ(ಸಕ್ಕರೆ ವಿಜ್ಞಾನ) ಸ್ನಾತಕ ಪದವಿಗಳಿಗೆ ಯು.ಯು.ಸಿ.ಎಂ.ಎಸ್ ಮೂಲಕ ಆನ್‌ಲೈನ್‌ನಲ್ಲಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಲು ದಿನಾಂಕಗಳನ್ನು ಈ ಕೆಳಕಂಡಂತೆ ನಿಗದಿಪಡಿಸಲಾಗಿದೆ.

2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ ಸ್ನಾತಕ ಪದವಿಗಳ ಮೂರು ಮತ್ತು ಐದನೇ ಸೆಮಿಸ್ಟರ್ ಪ್ರವೇಶಾತಿಗೆ ಈ ಕೆಳಕಂಡಂತೆ ದಿನಾಂಕಗಳನ್ನು ನಿಗದಿಪಡಿಸಲಾಗಿದೆ.

ಕ್ರ. ಸಂ	ವಿವರ	ದಿನಾಂಕ
1	UUCMS ತಂತ್ರಾಂಶದಲ್ಲಿ ಮೂರು ಮತ್ತು ಐದನೇ ಸೆಮಿಸ್ಟರ್ ಪ್ರವೇಶಾತಿಗೆ ಅರ್ಜಿ ಸಲ್ಲಿಸುವ ಪ್ರಾರಂಭ ದಿನಾಂಕ	02-11-2023
2	3 & 5ನೇ ಸೆಮಿಸ್ಟರ್ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಒಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆಯೊಂದಿಗೆ ಮರು ಪ್ರವೇಶ ಹಾಗೂ ಒಂದು ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆ ಪಡೆಯುವ ಪ್ರಾರಂಭ ದಿನಾಂಕ	02-11-2023
3	ದಂಡ ಶುಲ್ಕವಿಲ್ಲದೆ ಮೂರು ಮತ್ತು ಐದನೇ ಸೆಮಿಸ್ಟರ್‌ಗೆ ಪ್ರವೇಶ ಪಡೆಯಲು ಕೊನೆಯ ದಿನಾಂಕ	12-11-2023
4	3 & 5 ನೇ ಸೆಮಿಸ್ಟರ್ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಒಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ಸಂಯೋಜಿತ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆಯೊಂದಿಗೆ ಮರು ಪ್ರವೇಶ ಮತ್ತು ಮರುಪ್ರವೇಶ ಹಾಗೂ ಒಂದು ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಮತ್ತೊಂದು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ವರ್ಗಾವಣೆ ಪಡೆಯುವ ಕೊನೆಯ ದಿನಾಂಕ	23-11-2023
5	ರೂ.1000/-ಗಳ ದಂಡ ಶುಲ್ಕದೊಂದಿಗೆ ಮೂರು ಮತ್ತು ಐದನೇ ಸೆಮಿಸ್ಟರ್ ಪದವಿಗೆ ಪ್ರವೇಶ ಪಡೆಯಲು ಕೊನೆಯ ದಿನಾಂಕ	23-11-2023

ಮುಂದುವರಿದು, 2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಪಾವತಿಸಬೇಕಾದ ಶುಲ್ಕವನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯದ ತಂತ್ರಾಂಶದಲ್ಲಿ ಈಗಾಗಲೇ ಅಳವಡಿಸಲಾಗಿದ್ದು, ಎಲ್ಲಾ ಸಂಯೋಜಿತ ಮಹಾವಿದ್ಯಾಲಯಗಳು ತಮ್ಮ ಲಾಗಿನ್‌ನಲ್ಲಿ Seat Allocation Method ಹಾಗೂ ಮಹಾವಿದ್ಯಾಲಯದ ಶುಲ್ಕವನ್ನು (ವಿಶ್ವವಿದ್ಯಾಲಯದ ಶುಲ್ಕವನ್ನು ಹೊರತುಪಡಿಸಿ) ಯು.ಯು.ಸಿ.ಎಂ.ಎಸ್. ಪೋರ್ಟಲ್‌ನಲ್ಲಿ ನಮೂದಿಸತಕ್ಕದ್ದು. ಪ್ರವೇಶ ನಿಯಮಾವಳಿ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಸುತ್ತೋಲೆಗಳನ್ನು [www.rcub.ac.in](http://www.rcub.ac.in) ಅಂತರಜಾಲದಲ್ಲಿ ಅಳವಡಿಸಲಾಗಿದೆ.

2023-24ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನ ಸ್ನಾತಕ ಪದವಿಗಳ ಪ್ರವೇಶಾತಿಗೆ ಸಂಬಂಧಪಟ್ಟ ಆನ್‌ಲೈನ್ ಪ್ರವೇಶಾತಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಯಾವುದಾದರೂ ಸಮಸ್ಯೆಗಳಿದ್ದಲ್ಲಿ ಈ ಕೆಳಕಂಡ ದೂರವಾಣಿ ಪೋ:0831-2565214/257 ಹಾಗೂ ಇ-ಮೇಲ್ : [uucms@rcub.ac.in](mailto:uucms@rcub.ac.in) ಮುಖಾಂತರ ಸಂಪರ್ಕಿಸುವುದು.

ರಾಜಶ್ರೀ ಜೈನಾಸ್ವರ ಕೆ.ಎ.ಎಸ್.  
ಕುಲಸಚಿವರು  
ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ  
ವಿದ್ಯಾಸಂಗಮ

ಇವರಿಗೆ,

1. ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಸಂಗೊಳ್ಳಿ ರಾಯಣ್ಣ ಪ್ರಥಮ ದರ್ಜೆ ಭಟಕ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಂಶುಪಾಲರು ಹಾಗೂ ಬಾಗಲಕೋಟೆ ಜಿಲ್ಲೆಗಳಲ್ಲಿನ ಸ್ನಾತಕ (UG) ಕೋರ್ಸ್‌ಗಳನ್ನು ನಡೆಸುತ್ತಿರುವ ಎಲ್ಲ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಂಶುಪಾಲರುಗಳಿಗೆ.

Co-ordinator

Principal,

G. P. Porwal Arts, Comm & V. V. Salimath Sc. College

SINDGI-586128. Collee Code: 234

SPVVSS

G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE COLLEGE,  
SINDGI – 586 128 DIST: VIJAYAPUR

Dist: Vijayapur) (Affiliated to Rani Channamma University-Belagavi (Karnataka State  
e-mail: gppprincipal@gmail.com Web: www.gppcollegesindgi.in Ph: 08488-221244

DEPARTMENT OF KANNADA

Academic Calendar 2023-2024

Sl. No	Particulars of the Events	Date
1	Department Meeting	Oct 4 <sup>th</sup> Week
2	Workload and Syllabus Distribution	Oct 4 <sup>th</sup> Week
3	Classes for 1 <sup>st</sup> , 3 <sup>rd</sup> and 5 <sup>th</sup> Sem	25/10/2023
4	1 <sup>st</sup> Internal Test	Jan 1 <sup>st</sup> Week
5	2 <sup>nd</sup> Internal Test	Feb 1 <sup>st</sup> Week
6	Conducting Students Seminars and Group Discussion	Feb 2 <sup>nd</sup> Week
7	Display of IA Marks	Feb 3 <sup>rd</sup> Week
8	Syllabus Completion	19/02/2024
9	Last Working Day	20/02/2024
10	RCU Examination and Evaluation Work	21/02/2024 to 22/05/2024
11	Commencement of the 2 <sup>nd</sup> , 4 <sup>th</sup> and 6 <sup>th</sup> Sem Classes	24/05/2024
12	1 <sup>st</sup> Internal Test for 2 <sup>nd</sup> , 4 <sup>th</sup> and 6 <sup>th</sup> Sem	July 3 <sup>rd</sup> Week
13	2 <sup>nd</sup> Internal Test for 2 <sup>nd</sup> , 4 <sup>th</sup> and 6 <sup>th</sup> Sem	Aug 2 <sup>nd</sup> Week
14	Conducting Students Seminars and Group Discussion	August
15	Syllabus Completion	August
16	Seminar Presentation	August
17	Display of IA Marks	August
18	Display of IA Marks	August
19	RCU Examination and Evaluation Work	20/08/2024

Head  
Dept. of Kannada  
G.P.P. Arts, Commerce & V.V.S. Science  
College, SINDGI-586128.

Coordinator IQAC

Principal,  
Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
SINDGI-586128. College Code: 5234





## Meeting - I.




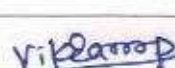
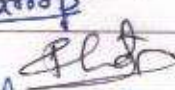
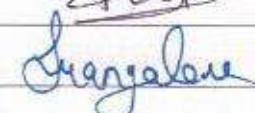
First-Internal Assessment Test of  
I, III and V semester - 2023-24.

### Notice-

It is hereby all the examination committee members informed that first internal assessment test meeting is called on 28-12-2023. at 12.30 pm in the principal chamber with the following agenda.

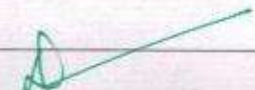
- 1) Preparation of Time-Table for the first internal Test.
- 2) Arrangement of the Answer sheet.
- 3) Conduct of Test.
- 4) I, III, & V sem exam from-01-01-2024 to 10-01-2024.

The following members were present:

- 1) Dr Ravi V. Lamani. 
- 2) Dr S. I. Bhandari. 
- 3) Dr Prakash. R. Rathod. 
- 4) Prof. V. A. Pande. - 
- 5) Prof. Prakash. Teja. - 
- 6) Prof. Smt. S. S. Mangalose. - 

  
Co-ordinator IOAC

G. P. Porwal Arts, Comm & V. V. Salimath

  
Principal,

G. P. Porwal Arts, Comm. &

V. V. Salimath



## Academic year - 2023-24.

1. All the members have decided to prepare first-Internal Time-Table. as per university academic calendar.
2. It is decided to request the principal to arrange the answer paper for the students of I, III & V semester.
3. The members of the exam committee decided that first-Internal Test should be conducted as their respective subjects according to the Time-Table. i.e. 01-01-2024 to 10-01-2024.

1). Dr. Rav V. Lamani

2). Dr. S. I. Bhandari

3). Dr. Prakash. R. Rathod

4). Prof. V. A. Pande

5). Prof. Prakash. Teju

6). Prof (Smt.) S. S. Manglore



Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath  
Science College, SINDGI-586128. Dt. Vijayapur



Principal,

G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College  
& P. G. Centre, SINDGI



## Meeting-2:




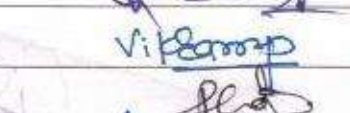
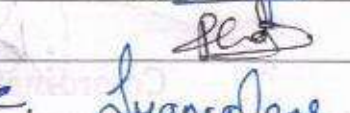
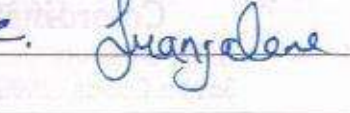
### Second-Internal Assessment Test of I, III, & V-semester-2023-24.

#### Notice.

It is hereby informed all exam committee members that second-internal Assessment Test meeting is called on 29-1-2024 at 12.30 pm. in the staff-room. with the following agenda.

- 1) Preparation of second-Internal Test Time-Table.
- 2) Arrangement of the answer paper.
- 3) Conduct of Test.
- 4) I, III, & V semester exam from-1-2024 to 10-02-2024.

The following members were present:

- ① Dr Ravi V. Lamani. 
- ② Dr S. I. Bhandari. 
- ③ Dr Prakash R. Rathod. 
- ④ Prof. V. A. Parde. 
- ⑤ Prof. Prakash. Tejil. 
- ⑥ Prof (smt) S. S. Mangalose. 



Co-ordinator IQAC  
G. P. Porwal Arts, Comm & V. V. Salimath  
Science College, SINDGI-586128, Dt. Vijayapur



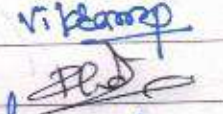
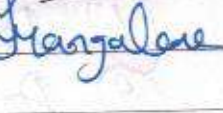

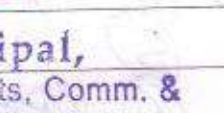


Principal,


G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College  
& P. G. Centre. SINDAGI



1. All members have decided preparation of second-Internal Time Table, as per Affiliated University academic Calendar.
2. It is decided to request the principal arrange the answer sheet for the students of I, III & V semester.
3. All the members of examination Committee, decided that second-Internal Test should be conducted as per Time-Table. i.e. 1-02-2024 to 10-2-2024.

- ① Dr Ravi V. Lamani. 
- ② Dr S. I. Bhandari. 
- ③ Dr Prakash R. Rathod. 
- ④ Prof. V. A. Pande. 
- ⑤ Prof. Prakash. Teju. 
- ⑥ Prof (smt) S.S. Mangalore 

  
**Co-ordinator IQAC**  
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 Science College, SINDGI-586128. Dt Vijayapur

  
**Principal,**  
 G.P. Porwal Arts, Comm. &  
 V.V. Salimath Sc. College  
 & P. G. Centre, SINDAGI



## TIME TABLE – I, III &amp; V SEMESTER

## BA/B.Sc./B.Com

1<sup>st</sup> INTERNAL TEST– 2023-24

Day & Date	Time	B.SC.			B.A.			B.COM		
		I Sem	III Sem	V Sem	I Sem	III Sem	V Sem	I Sem	III Sem	V Sem
01/01/2024 Monday	12:00am TO 01:00pm	Kannada (Basic)	English (Basic)	Chemistry - I	Economics-I	Pol. Science.-I	History - I Economics - I	Financial Accounting	Business Stat	Audit
					Economics -II (1.15pm to 2.15 )	Pol. Science.-II (1.15pm to 2.15 )	History - II Economics – II (1.15pm to 2.15)			
02/01/2024 Tuesday	12:00am TO 01:00pm	English/ Hindi/ (Basic)	Kannada / Hindi/ (Basic)	Maths-I Zoology -I	Pol. Science.-I	Economics-I	History - III Economics - III	MP&A	Corp/Acc	IT – I
					Pol. Science.-II (1.15pm to 2.15 )	Economics -II (1.15pm to 2.15 )	Sociology – I (1.15pm to 2.15)			
03/01/2024 Wednesday	12:00am TO 01:00pm	OEC	Maths Zoology	Physics - I Botany- I	Kannada (Basic)	English (Basic)	Sociology – II	PM	Kannada	F.M.A/C
							Sociology – III (1.15pm to 2.15)			
04/01/2024 Thursday	12:00am TO 01:00pm	Maths Zoology	Physics Botany	Chemistry-II	History-I	Sociology-I	Pol. Science – I	Kannada	Cost/Acc	IFM
05/01/2024 Friday	12:00am TO 01:00pm	Physics Botany	Chemistry	Maths-II Zoology -II	Sociology-I	Kan /Hindi/ (Basic)	Pol. Science –III	English	OEC	SEC
							Sociology-II (1.15pm to 2.15 )			
06/01/2024 Saturday	12:00am TO 01:00pm	Chemistry	SEC	Physics -II Botany – II	English/Hindi (Basic)	SEC	Eng/Kan/Hindi -II	OEC	FE&IA-SEC	Retail Mkt
							Eng/Kan/Hindi III (1.15pm to 2.15)			
08/01/2024 Monday	12:00am TO 01:00pm	SEC	OEC	SEC	OEC	Eng/Kan/Hindi-I	SEC	SEC	English	GST-I
09/01/2024 Tuesday	12:00am TO 01:00pm	-	-	-	Eng/Kan/Hindi-I	History – I	-	-	-	-
10/01/2024 Wednesday	12:00am TO 01:00pm	-	-	-	SEC	OEC	-	-	-	-

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TIME TABLE - I, III & V SEMESTER

BA/B.Sc./B.Com

2<sup>nd</sup> INTERNAL TEST - 2023-24

Day & Date	Time	B.Sc.			B.A.			B.COM		
		I Sem	III Sem	V Sem	I Sem	III Sem	V Sem	I Sem	III Sem	V Sem
01/02/2024 Thursday	12:00am TO 01:00pm	Kannada (Basic)	English (Basic)	Chemistry - I	Economics-I  Economics -II (1.15pm to 2.15)	Pol. Science-I  Pol. Science-II (1.15pm to 2.15)	History - I  History - II Economics - II (1.15pm to 2.15)	Financial Accounting	Business Stat	Audit
02/02/2024 Friday	12:00am TO 01:00pm	English/ Hindi (Basic)	Kannada/ Hindi/ (Basic)	Maths-I Zoology-I	Pol. Science-I  Pol. Science-II (1.15pm to 2.15)	Economics-I  Economics -II (1.15pm to 2.15)	History - III Economics - III Sociology - I (1.15pm to 2.15)	MP&A	Corp/Acc	IT - I
03/02/2024 Saturday	12:00am TO 01:00pm	OEC	Maths Zoology	Physics - I Botany-I	Kannada (Basic)	English (Basic)	Sociology - II  Sociology - III (1.15pm to 2.15)	PM	Kannada	FM/A/C
05/02/2024 Monday	12:00am TO 01:00pm	Maths Zoology	Physics Botany	Chemistry-II	History-I  History-II (1.15pm to 2.15)	Sociology-I  Sociology-II (1.15pm to 2.15)	Pol. Science - I  Pol. Science - II (1.15pm to 2.15)	Kannada	Cost/Acc	IFM
06/02/2024 Tuesday	12:00am TO 01:00pm	Physics Botany	Chemistry	Maths-II Zoology-II	Sociology-I  Sociology-II (1.15pm to 2.15)	Kan/Hindi/ (Basic)	Pol. Science -III  Eng/Kan/Hindi - I (1.15pm to 2.15)	English	OEC	SEC
07/02/2024 Wednesday	12:00am TO 01:00pm	Chemistry	SEC	Physics-II Botany - II	English/Hindi (Basic)	SEC	Eng/Kan/Hindi-I  Eng/Kan/Hindi-II (1.15pm to 2.15)	OEC	FB&A-SEC	Retail Mkt
08/02/2024 Thursday	12:00am TO 01:00pm	SEC	OEC	SEC	OEC	Eng/Kan/Hindi-I  History - I  History - II (1.15pm to 2.15)	SEC	SEC	English	GST- I
09/02/2024 Friday	12:00am TO 01:00pm	-	-	-	Eng/Kan/Hindi-II (1.15pm to 2.15)	History - II (1.15pm to 2.15)	-	-	-	-
10/02/2024 Saturday	12:00am TO 01:00pm	-	-	-	SEC	OEC	-	-	-	-

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**Principal,**

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G. P. PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE  
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)  
Affiliated to Rani Channamma University, Belagavi  
Accredited at 'B' Grade (2.42 CGPA) by NAAC

E-mail: [gppprincipal@gmail.com](mailto:gppprincipal@gmail.com)

Ph: 08488-221244

DEPARTMENT OF MATHEMATICS  
Academic Calendar 2023-24

Sl.No	PARTICULARS OF THE EVENTS	DATE
1.	Commencement of I Semester	25-10-2023
2.	Commencement of III and V Semester	02-11-2023
3.	Celebration of Ramanujan Day	22-12-2023
4.	I Internal Test for I, III, and V Sem	1 <sup>st</sup> week of January 2024
5.	Seminar/PPT for Students/Group Discussion	2 <sup>nd</sup> week of January 2024
6.	Special Lecturer	3 <sup>rd</sup> week of January 2024
7.	II Internal for I, III, and V sem	1 <sup>st</sup> week of February 2024
8.	I, III, V Semester Last working day	20-02-2024
9.	Commencement of Vacation	21-02-2024
10.	Commencement of II, IV, VI Semester	23-05-2024
11.	I Internal Test for II, IV, VI Semester	3 <sup>rd</sup> week of July 2024
12.	Seminar/PPT for Students/ Group Discussion	2 <sup>nd</sup> week of July 2024
13.	II Internal for II, IV, and VI sem	2 <sup>nd</sup> week of August 2024
14.	II, IV and VI Semester Last working day	17-08-2024

*Journal*  
Head

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College, SINDGI-586128.

*Journal*  
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*Journal*  
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SINDAGI

DEPARTMENT OF PHYSICS

Date: July.2024

Internal Assessment Test -I

Class-BSc IV sem (NEP)

Total Marks-20

Q.No I: Answer any two of the following questions 2x2=4

1. What are thermodynamic potentials?
2. What are intrinsic and extrinsic semiconductors ?
3. What are analog and digital circuits?

Q.No II: Answer any two of the following questions 8x2=16

4. State first law of thermodynamics. Derive its differential form
5. What is Op-Amp.? Write its characteristics
6. Derive Maxwell's thermodynamic relations

  
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Dept. of Physics

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DEPARTMENT OF PHYSICS

Date: July.2024

Internal Assessment Test -I

Class-BSc II sem (NEP)

Total Marks-20

Q.No I: Answer any two of the following questions

2x2=4


1. State Coulomb's law
2. Define electric susceptibility
3. Define magnetic induction and magnetization vector

Q.No II: Answer any two of the following questions

8x2=16

4. Derive an expression for electric potential at a point distance
5. Derive the relation between B,H and M
6. Derive the relation between D,E and P

  
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**DEPARTMENT OF PHYSICS**

**Date: July.2024**

**Internal Assessment Test -I**

**Class-BSc VI sem NEP (paper-I)**

**Total Marks-20**

**Q.No I: Answer any two of the following.**

**2x2=4**

- 1.What is magnetic susceptibility and magnetization?
2. What is photoelectric effect?
3. Define Compton scattering.

**Q.No II: Answer any two of the following**

**8x2=16**

4. Derive an expression for Langevin theory of diamagnetism.
5. Define binding energy. Explain binding energy versus mass number curve
6. Explain hysteresis curve

**Head**

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**Coordinator IQAC**

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DEPARTMENT OF PHYSICS

Date: July.2024I

Internal Assessment Test -I

Class-BSc VI sem NEP (paper-II)

Total Marks-20

Q.No I: Answer any two of the following.

2x2=4

1. Write the characteristics of AC power
2. Define AF sine and square wave generator
3. Write the orthogonality condition

Q.No II: Answer any two of the following

8x2=16

4. Explain standard AF signal generator
5. Explain cathode ray oscilloscope with its block diagram
6. Derive orthogonality of sine and cosine functions

  
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Date: August.2024

Internal Assessment Test -II

Class –BSc VI sem NEP (paper-I)

Total Marks-20

Q.No I: Answer any two of the following.

2x2=4

- 1.What are Para and Ferromagnetic materials?
2. What is radioactivity?
3. What is nuclear fission.

Q.No II: Answer any two of the following

8x2=16

4. Derive Clausius-Mosotti equation.
5. Write the basic principle of Scintillation detector and construction of photo multiplier tube
6. Explain Gamow's theory of alpha-decay

  
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Date: August.2024

Internal Assessment Test -II

Class –BSc VI sem NEP (paper-II)


Total Marks-20

Q.No I: Answer any two of the following. 2x2=4

1. What is low pass and high pass filter
2. Define transducers and write its types
3. Write the advantages of potentiometer

Q.No II: Answer any two of the following 8x2=16

4. Write the limitations and applications of thermistor
5. Explain Photo-electric transducer
6. Write the difference between Fourier and Laplace transform

  
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Date: August.2024

Internal Assessment Test -II

Class –BSc IV sem (NEP)

Total Marks-20

Q.No I: Answer any two of the following questions 2x2=4

1. What is binary number system
2. Write the application of thermodynamic potentials
3. state 2<sup>nd</sup> law of themodynamics

Q.No II: Answer any two of the following questions 8x2=16

4. Convert Decimal to Binary  
a) 28.125    b) 60.025    c) 88.100    d) 79.108
5. Explain pin diagram of IC-741
6. Explain first order phase transitions with examples





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DEPARTMENT OF PHYSICS

Date: August.2024

Internal Assessment Test -II

Class –BSc II sem (NEP)

Total Marks-20

Q.No I: Answer any two of the following questions


2x2=4

1. Define Dielectric constant (K)
2. Write the properties of electric field lines
3. State Kirchhoff's laws

Q.No II: Answer any two of the following questions

8x2=16

4. Explain the boundary conditions for E & D
5. State Gauss law. Derive an expression to charge distribution with spherical shell
6. Explain the theory of growth and decay of current in RL circuit

  
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SCIENCE COLLEGE SINDAGI – 586128**

**TQ : SINDAGI**

**DIST : VIJAYAPURA**



**DEPARTMENT OF ZOOLOGY**

**B.Sc VI SEM**

**STUDY TOUR REPORT**

**2023-2024**

**NAME : Varun kanchagar**

**SUBJECT: Zoology**


**CLASS : B.Sc VI sem**

**REG NO : U15NB21S0067**

  
**HOD**

Dept. of Zoology,

G. P. Porwal Arts, Commerce & Science  
College, SINDAGI, Dist. Vijayapur,  
Varun

  
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**Principal,**

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SINDGI-586128. College Code: 224  
Miss. Rajeshwari

**SUBMITTED BY**

**SUBMITTED TO**

Miss. Rajeshwari





UNIVERSITY NO : U15NB21S0067

**S.P.V.V.S**

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SCIENCE COLLEGE SINDAGI – 586128**

**TQ : SINDAGI**

**DIST : VIJAYAPURA**



**DEPARTMENT OF ZOOLOGY**

**B.SC VI SEM**

**CERTIFICATE**

**2023-2024**

This is to certify that Kumari/Kumar Varun  
Kanchgar student of B.Sc visemester has  
satisfactorily completed the Study Tour Report on the topic  
Visit to Zoo in (D.S.C.) Zoology under  
supervision as laid in the regulation of Rani Channamma University,  
Belagavi.

**DATE :** *21/08/24*  
**STAFF MEMBERS INCHARGE**

*[Signature]*  
**HOD**  
Dept. of Zoology,  
**HEAD OF THE DEPARTMENT**  
G.P.Porwal Arts, Commerce & Science  
College, SINDAGI, Dist: Vijayapur





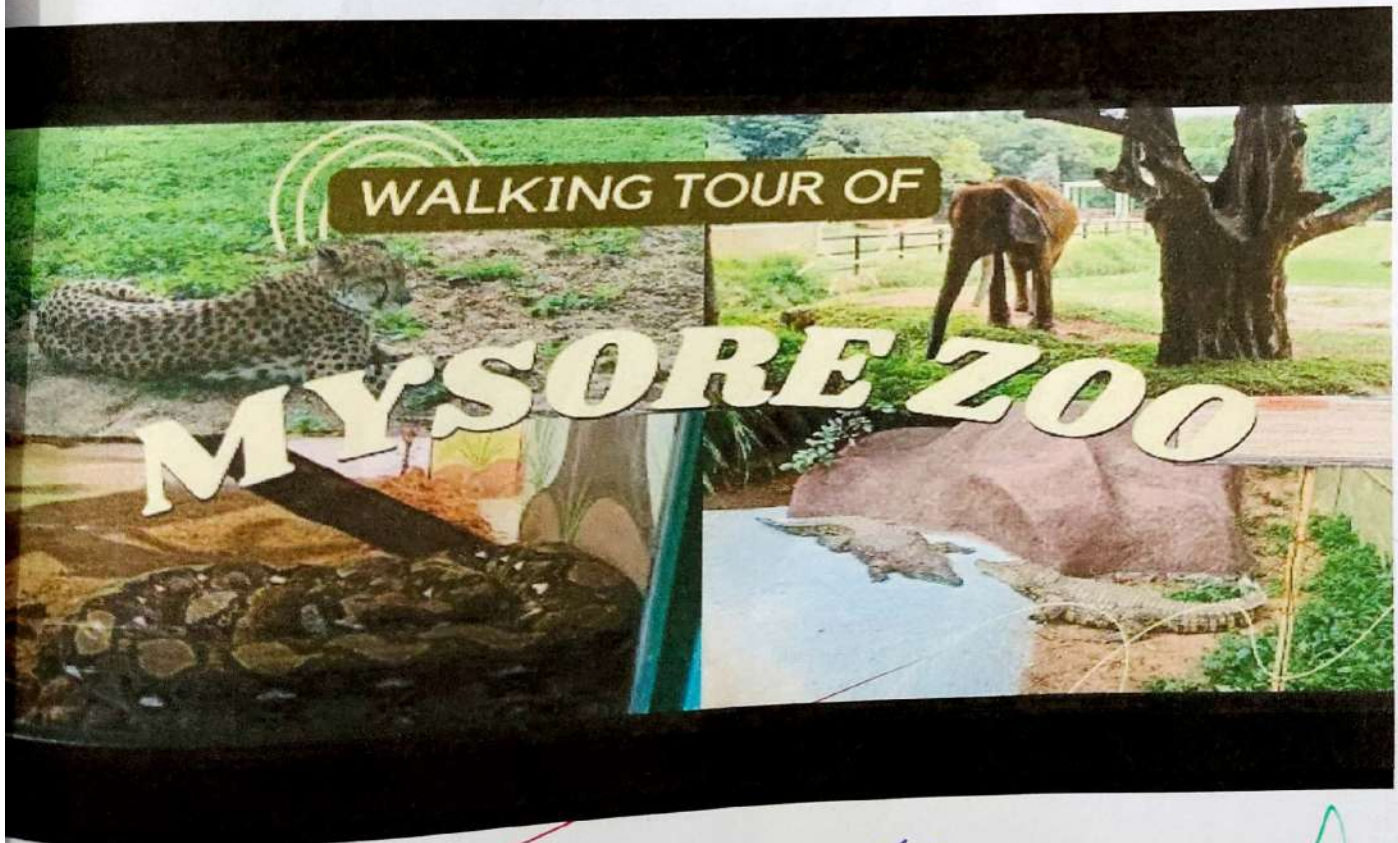
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G.P.PORWAL ARTS COMMERCE AND V.V.SALIMATH  
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2023-24

Report on

**Educational Tour To :- Mysuru zoo**  
**( Sri Chamarajendra Zoological Gardens)**



*[Signature]*  
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*[Signature]*  
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## Introduction

We the students of Zoology 4th semester along with the Asso professor D M Sarshetti Sir HOD zoology, Asst professor Girish Hadpad and Asst professor Miss Rajeshwari Devoor on date visited Sri chamarajendra zoo which is situated in Mysore. As it is important to study the intrinsic values of biodiversity that is worth protecting regardless of its value to humans hands we visited the zoological garden.

## Preface

In past few years we have witnessed about threat to Biodiversity and destruction of wildlife due to deforestation urbanization. Some measures are taken save wildlife by establishing national parks and zoological gardens etc. Zoo animal welfare has become an increasing concern for many inside in outside of the zoo community. Mysore zoo is one of the oldest zoo in India. It was established in 1875 by Maharaja Krishna Raja Wodeyar 4 as a part of his palace complex.

The zoo was originally called Palace zoo but later renamed as Shri Chamarajendra Zoological Gardens after his death in 1894.



## Acknowledgement

We express our profound gratitude and sincere things to our principal D.M. Patil sir and Asso Professor D.M.Sarshetti HOD zoology Asst professor Girish Hadpad and Asst professor Mis Rajeshwari Devoor. It gives us great pleasure to acknowledge all kind of encouragement that we received from the during the study tour.

We also express sincere thanks to our all friends who help us during over visit and in the preparation of this report.

The G.P.Porwal College, Sindagi has organizes educational tours for students every year. This year too, the G.P.Porwal College, Sindagi has organized a study tour to Karnatka, including Coorg-Mysore. The actual commencement of the tour began from 2thJuly to 7th July, 2024. The Undergraduate students and teachers of science faculty who participated for study tour were 26 and 3 respectively. Thus, it was a total of 29 persons. The three Teachers who accompanied were: Prof. D.M.Sarshetti, Mr.Geerish.Hadpad, Ms.Rajeshwari Devoor .

The study tour aims at the following objectives:

- 1) To broaden students' horizons and Indian Historical Temples awareness.
- 2) To give students an opportunity to relate their classroom learning to the real world situations.

Table:- Study tour Itinerary

Date	Time	Schedule	Places Visit
03-07-2024	7:00 Am	Journey by Bus from Sindagi	Adichunchunagiri Mysuru Zoo Mysuru palace
04-07-2024	8:00 Am to 6:30Pm	Night journey and Stay in Nanjangud	Nanjangud Mysuru GRS Park
05-07-2024	7:00 Am to 7 :00Pm	Journey to Madikeri from GRS Park for stay	Golden temple Abbey Falls Mugilpete
06-07-2024	9:00 Am to 10:00 Pm	Journey to Kukke Subramanya for stay	Kukke Subramanya

  
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On 3<sup>rd</sup> July we reached a Adichunchunagiri after a long journey. We reached there in morn we began our actual siteseeingin from morning 8am to 10am . We visit at a Aadhichunchanagiri Temple.Shree Adichunchanagiri is a pilgrim place which is 3321 feet above sea level. One portion of this hilly range is famous as Akasha Bhairava and the Galigallu is about 125 feet in height. The mighty rock standing at the peak of this hill on almost a small piece of land like a linga is a wonder of sorts. Even today one can pass a sheet of paper through the space between the rock and the hill. But realising the dangers that may pose to people visiting this hill top the Swamiji has constructed an embankment of stones around the place in the form of a fort. The Galigallu is a beauty to watch. One can reach it by climbing the Kudure Kallu by holding the iron chain and there he is, Akasha Bhairava. It is a breath-taking and awe-inspiring scene with greenery all around. The long lines of coconut groves, the hill range, the lakes, the gentle breeze, the beauty of the clouds all bring in a heavenly feeling. Watching the sun set from atop this hill is as mesmerizing as watching the sunset in the coastal region. Just like the stars that twinkle in the sky during night, the electric lights from the towns surrounding these hills sparkle during night when one watches from atop this hill.



*[Signature]*  
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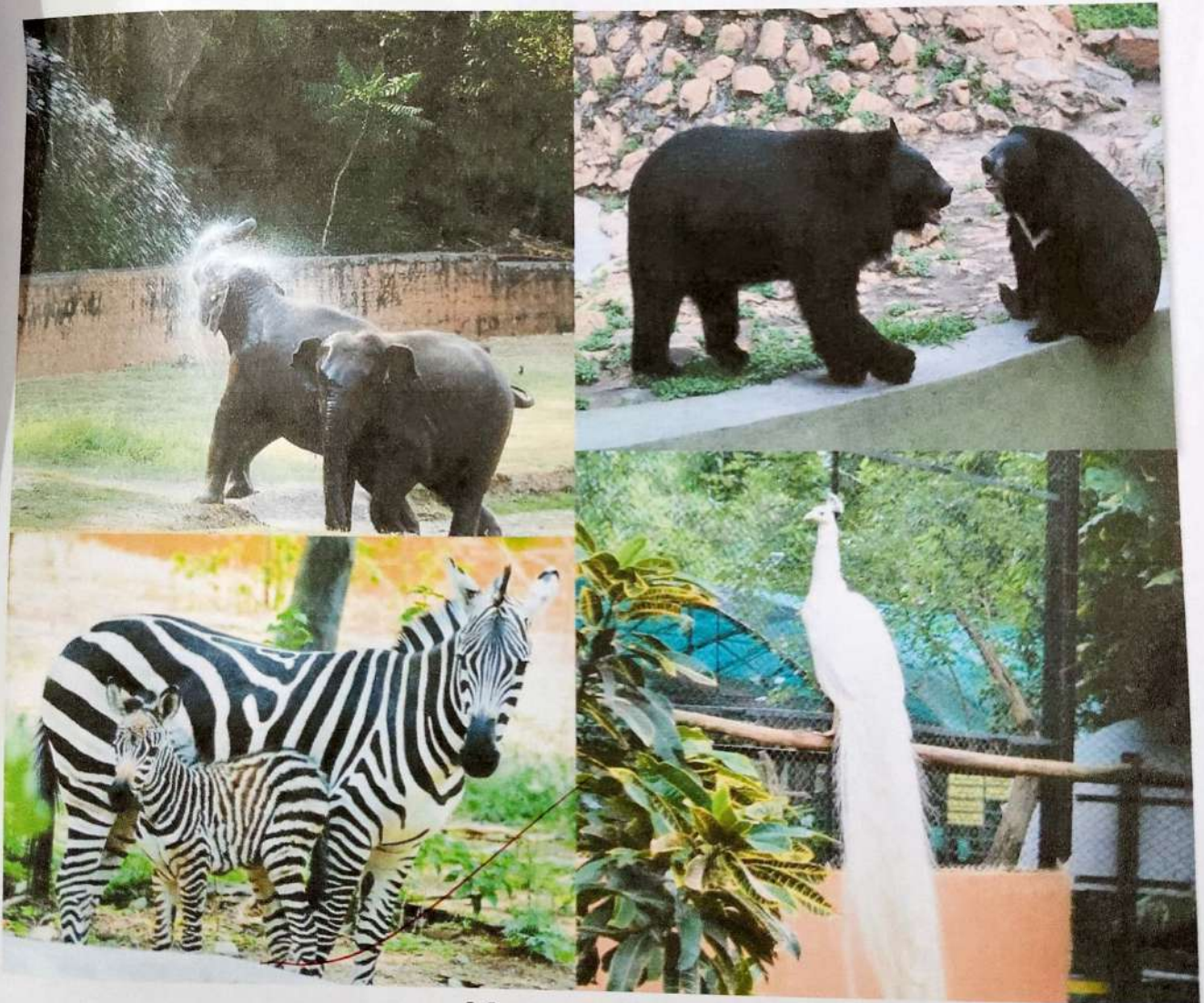
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## Mysore Zoo

Mysore Zoo (officially the Sri Chamarajendra Zoological Gardens), it is a 157-acre (64 ha) zoo located near the palace in Mysore, India. It is one of the oldest and most popular zoos in India, and is home to a wide range of species (168). The zoo is currently home to ten elephants, and has more elephants than any other zoo in India. A total of 34 elephants have lived at this zoo, many of which were eventually transferred to other zoos. The zoo also has five green anacondas, contributed by Colombo Zoo. It also has giraffes, zebras, lions, tigers, white rhinoceroses, and baboons.

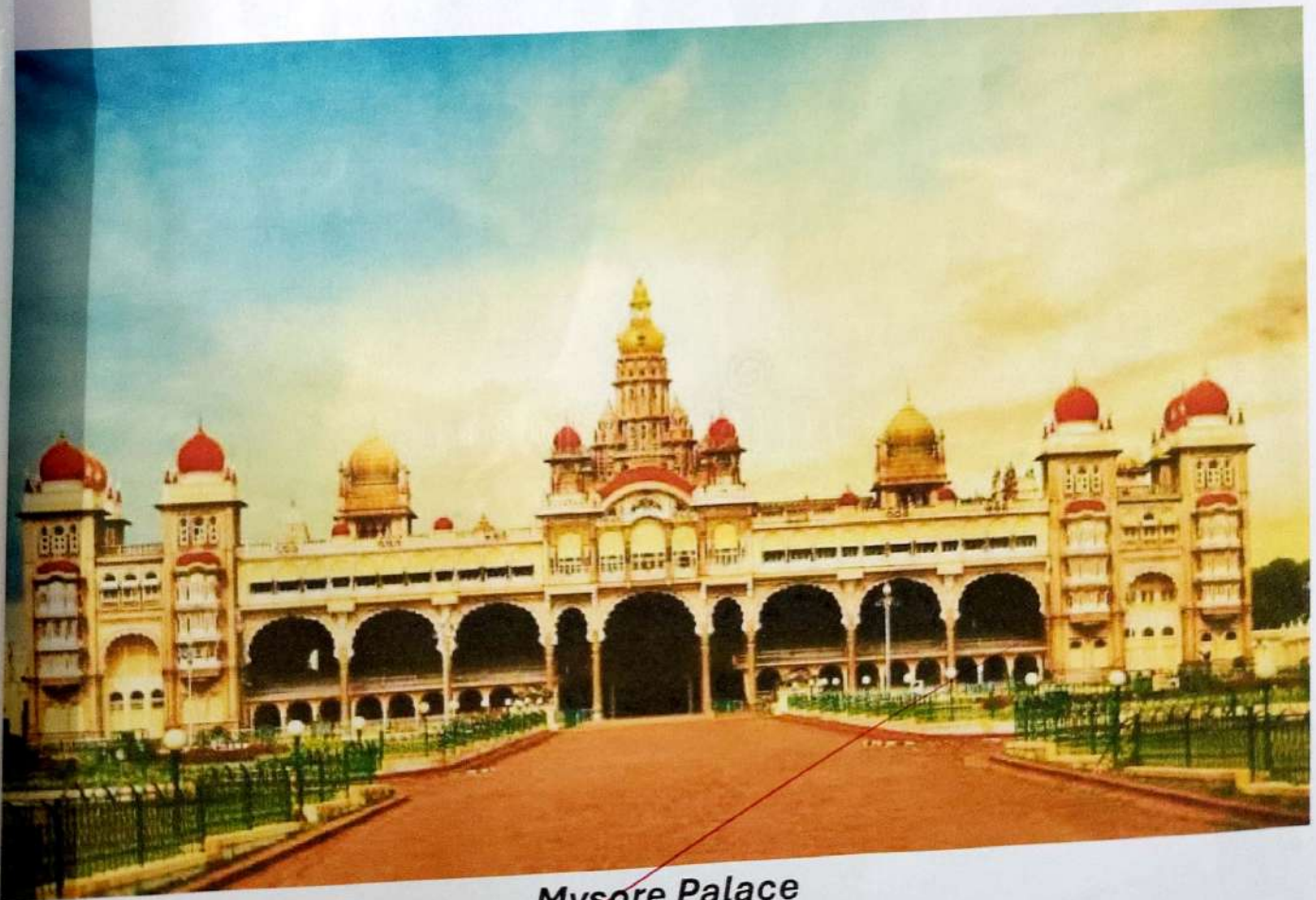


*Mysuru Zoo*



## Mysore Palace

The last palace, now known as the Old Palace or the Wooden Palace, burned to ashes during the wedding of Jayalakshammani, the eldest daughter of Chamaraja Wodeyar in 1896. Maharaja Krishnaraja Wodeyar IV and his mother Maharani Kempananjammani Devi commissioned the British architect Henry Irwin to build a new palace. E.W. Fritchley worked as a consulting engineer. Meanwhile, the royal family stayed in the nearby Jaganmohan Palace. Construction was overseen by an executive engineer in the Mysore Palace division. He conducted elaborate architectural studies during his visits to Delhi, Madras, and Calcutta, and these were used to plan the new palace. The construction cost was placed at Rs 41,47,913 (around \$ 30 million adjusted to inflation) and the palace was completed in 1912. The palace was further expanded in around 1930 (including the addition of the present Public Durbar Hall wing) during the reign of Maharaja Jayachamarajendra Wodeyar.



*Mysore Palace*




## Golden Temple

It is located in bayalukuppe, Kushalnagar is also called Namdroling Monastery stands beautifully amidst the scenic landscapes, emanating peacefulness and calmness. The monastery is popularly known as Golden Temple owing to the golden paintings crafted on the monastery. This monastery or golden temple was established in the year of 1963, by His Holiness Pema Norbu Rinpoche shortly after his exit from Tibet in 1959 as the second seat of the Palyul Monastery which is one of the six great Tibet Nyingma Mother monasteries. Its walls have been decorated with intricate paintings. These colourful paintings illustrate stories of God and demons from Tibetan Buddhist mythology. The altar of the temple is filled with flowers, candles and incense sticks. You can even spot small birds flying freely around the temple complex. What makes Golden temple even more mesmerizing is the captivating landscapes around it.



  
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Golden Temple

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## Abbey Falls

Also known as Abbi Falls, Abbey Falls, located near Madikeri, is a perfect place to visit in Coorg not only for nature enthusiasts but for shutterbugs as well. The sight of water falling from a cliff with a height of 70 feet, surrounded by lush greenery is indeed a sight that will behold everyone's attention.

The waterfall is a combination of many streams that come together and fall into a pool of water that flows and merge into River Kaveri. The scenic grandeur of Abbey Falls increases by many folds in monsoon. During Monsoon, the stream of water becomes thicker with louder roar. Adding to it is the richer greenery around, which does create sight of a lifetime.



**Abbey Falls, Coorg**



## Mugilpete

Mugilupete town is one of the best places in Madikeri Roads are adventure and crazy excitement, Everywhere you go you see lush green hills and crazy trees This place is famous for viewing at sunrise and sunset. If you are traveling to Coorg, then take a ride through the coffee estate in this charming pocket of nature, and add a perfect touch to your memorable journey! It is situated at an altitude of 1600 m, is located at a distance of about 18 km from Madikeri, Coorg. Slowly developing as one of the best tourist places in Coorg.



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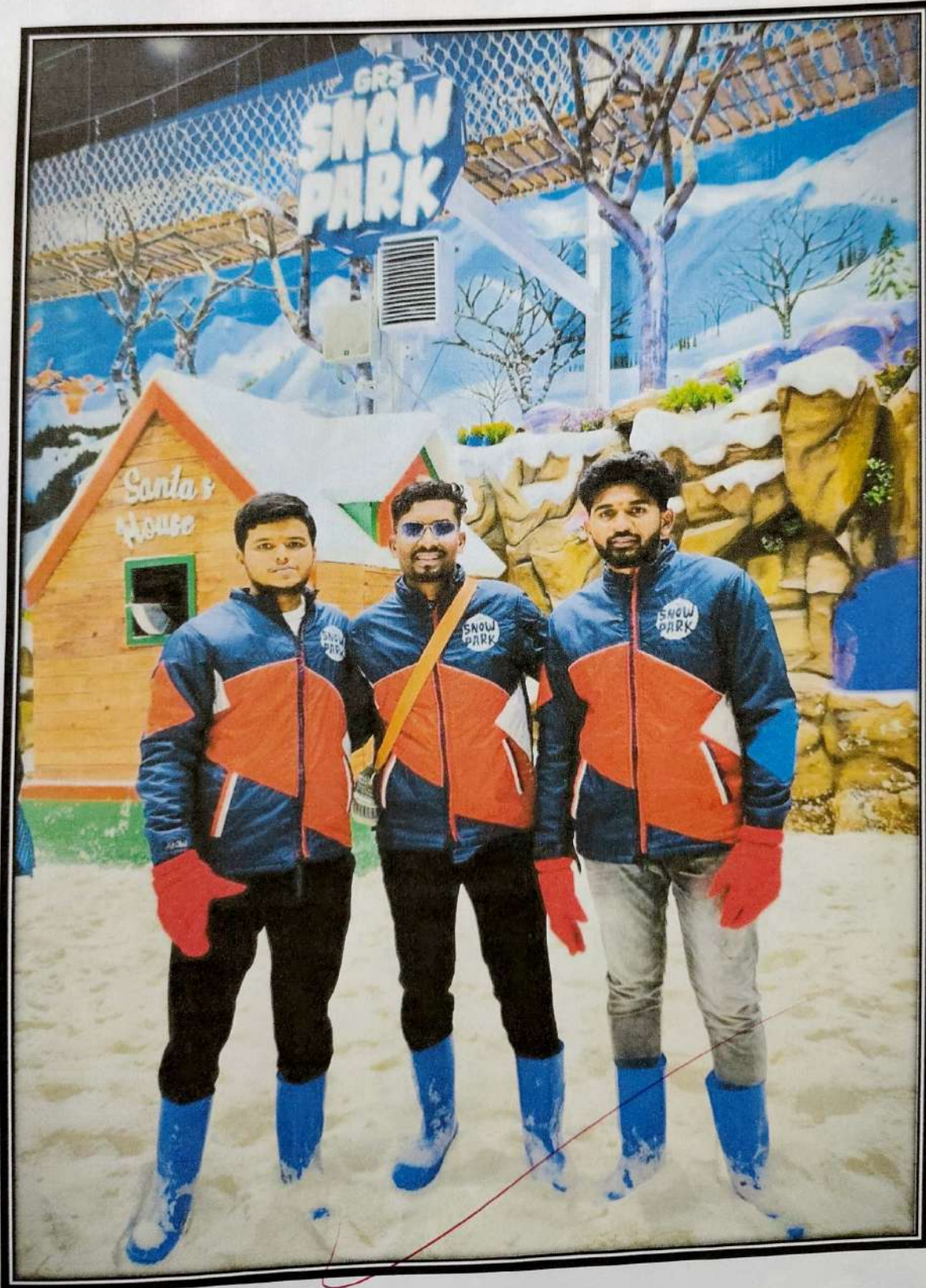
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## GRS FANTASY PARK

There are mainly two types of visits **Snow park** and **water park**. In snow park they offered a snow outfit which is very useful. Dence cold climate and snow, Next we moved towards the water park after the meal so many adventures games.









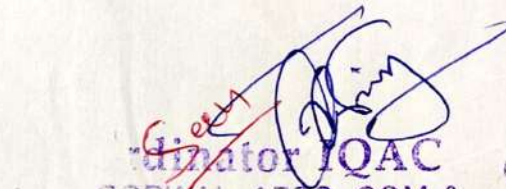
## Conclusion

Visit to Zoological garden of Mysore district gives us knowledge about various species of animals and their habitat. It gives us knowledge about conservation and protection of wildlife animals which are about to extinct in future and importance of conservation of their habitat for their survival.



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**TQ : SINDAGI**

**DIST : VIJAYAPURA**



**DEPARTMENT OF ZOOLOGY**

**B.SC VI SEM**

**FIELD VISIT REPORT**

**TOPIC : POND ECOSYSTEM**

**2023-24**

**NAME : Samarth K.**

**SUBJECT: Zoology**

**CLASS : B.Sc VI sem**

**REG NO : U15NB21S0027**

  
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**SUBMITTED BY  
Samarth K.**

  
**HOD**

**Department of Zoology,  
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**SUBMITTED TO  
D.M Sarashetti**

  
**Principal,**

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UNIVERSITY NO :

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**DEPARTMENT OF ZOOLOGY**

**B.SC VI SEM**

**FIELD VISIT REPORT**

**2023-2024**

This is to certify that Kumari/Kumar Samart K  
\_\_\_\_\_ student of B.Sc visemester has  
satisfactorily completed the \_\_\_\_\_ on the topic  
Pond Ecosystem in (D.S.C.) Zoology under  
supervision as laid in the regulation of Rani Channamma University,  
Belagavi.

**DATE :**

**STAFF MEMBERS INCHARGE**

*[Signature]*

**HEAD OF THE DEPARTMENT**

*[Signature]*  
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Dept. of Zoology  
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# INTRODUCTION


We are the students of zoology 6<sup>th</sup> semester along with Associated professor D.M.Sarashetti HOD of ZOOLOGY .Asst professor Miss Rajeshwari devoor on date 17/7/2024 visited to lake . which is situated in Sindagi.




- **Producers:** These include species of rooted, submerged, emerged, floating plants and algae. The most common filamentous algae found in ponds is *Spirogyra*. *Mougeotia* and *Zygnema* are some other algae found in the pond. *Azolla*, *Hydrilla*, *Pistia*, *Wolffia*, *Lemna*, *Eichhornia*, *Nymphaea*, *Potamogeton*, *Jussiaea*, etc., are a few examples of green plants that are found in the pond ecosystem.
- **Primary consumers:** A large population of zooplanktons are the main primary consumers. Besides these, small herbivores such as snails, insects, small fishes, tadpoles, and larvae of aquatic animals are the primary consumers often found in the pond.
- **Secondary consumers:** These include large animal species such as frogs, big fishes, water snakes, crabs, etc. The consumers of the highest order might include mammals like water shrews, water voles, herons, ducks, kingfishers, etc.
- **Decomposers:** These include different types of bacteria and fungi that feed upon dead and decaying parts of the aquatic species.

  
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GPS Map Camera

Vijayapura, Karnataka, India  
W67P+546, dist, behind sangameshwara temple, Sindagi, Vijayapura, Karnataka 586128, India  
Lat 16.913056°  
Long 76.234834°  
17/07/24 11:53 AM GMT +05:30



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# Abiotic Components of the Pond Ecosystem

Abiotic components are the non-living components of an ecosystem that matter for the aquatic species' survival. There are the following main abiotic components of a pond ecosystem:

- **Light:** Light serves as a main abiotic component required for the photosynthetic activities of the phytoplankton. The littoral zone has the maximum light penetration, whereas the profound zone has the least light penetration.
- **Temperature:** As the depth of the pond increases, the temperature of the water gradually decreases due to the gradual decrease in the light penetration.
- **Dissolved oxygen:** The amount of dissolved oxygen is maximum in the shallow water and gradually decreases while moving from the surface to the depth of the pond.
- **Dissolved oxygen:** The amount of dissolved oxygen is maximum in the shallow water and gradually decreases while moving from the surface to the depth of the pond.





*[Handwritten Signature]*  
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## Pond Ecosystem: Definition

A pond ecosystem is a freshwater ecosystem that can either be temporary or permanent and consists of a wide variety of aquatic plants and animals interacting with each other and the surrounding aquatic conditions. The pond ecosystem falls under the category of a **lentic ecosystem** because the water remains stagnant for a longer period.

### Stratification in the Pond Ecosystem

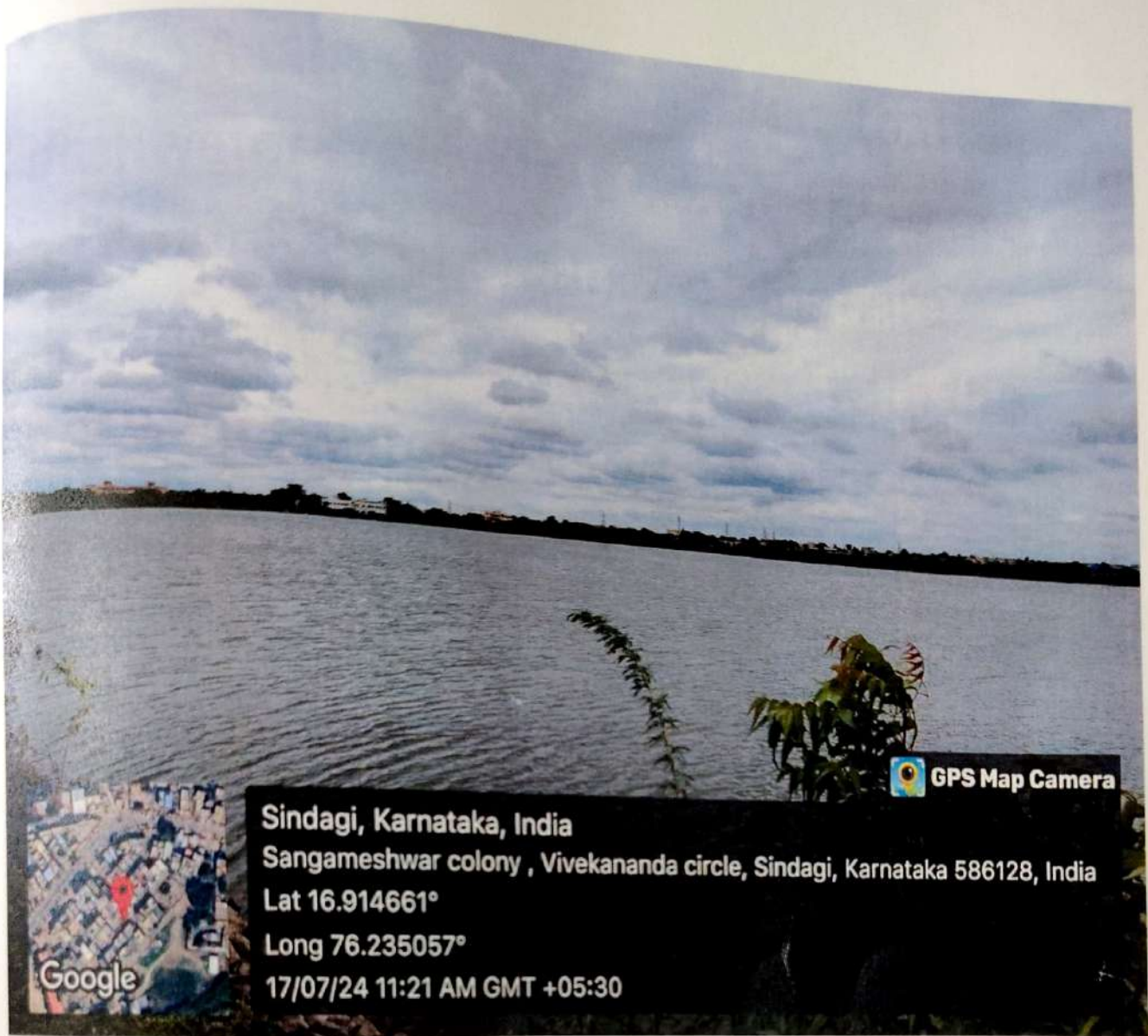
Different factors such as distance from the shore, penetration of light, depth of water, plant and animal species, etc. determine the following zones found in the pond ecosystem:

- **Littoral zone:** It is the zone closer to the shore. It contains shallow water and allows easy penetration of light. Rooted plant species occupy it. Animal species include reeds, crawfish, snails, insects, etc.
- **Limnetic zone:** The limnetic zone refers to the open water of the pond with an effective penetration of light. This zone is dominated by phytoplankton. Animal species mainly include small fishes and insects.
- **Profundal zone:** The region of a pond below the limnetic zone is called a profound zone with no effective light penetration. Some amphibians and small turtles occupy it.
- **Benthic zone:** The bottom zone of a pond is benthic and is occupied by a community of decomposers. The decomposers are called benthos.



This Lake was announced by a s.R.Kaahappanavar that periods the rural M.L.A is M.C.Managuli the both persons are done good work for Sindagi peoples. This water purified from lake to all sindagi & this lake water use to drinking & others activities.the lake water supply maintainors are four members in day time two persons and night time two members.





Sindagi, Karnataka, India

Sangameshwar colony , Vivekananda circle, Sindagi, Karnataka 586128, India

Lat 16.914661°

Long 76.235057°

17/07/24 11:21 AM GMT +05:30

Google

GPS Map Camera

This lake use in the year of 2001 B.K.Yargal to sindagi lake this lake purified uses the chemicals are filter bud through chlorination & alum gutte total four lake in Sindagi.



A lake ecosystem refers to the freshwater ecosystem where there are communities of organisms that are dependent on each other and with the prevailing water environment for their nutrients and survival.

## Lake Ecosystem

The ecosystem is a basic unit in ecology formed by the interaction of

biotic and abiotic components





acknowledgment kind of encouragement that we have received during the Project.

We also express sincere thanks to all our friends who helped us during our visit for the preparation of project report.

## Lake Ecosystem

The ecosystem is a basic unit in ecology formed by the interaction of plants, animals & Micro organisms forming biotic factors with their physical environment for the abiotic factors



## ACKNOWLEDGEMENT

We express our profound gratitude & sincere thanks to our principal D.M.Patil sir & Ass professor D.M.Sarashetti HOD of ZOOLOGY. Asst prof aMiss Rajeshwari Devoor. It gives a great pleasure to



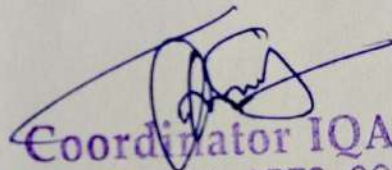
## Conclusion

Visit to lake which is located in Sindagi gave us enough knowledge about lake. We have studied of zooplanktons which are present in lake ecosystem.



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**2023-24**

**DEPARTMENT OF MATHEMATICS  
ASSIGNMENT**

**NAME:** Amulkumar Ramesh Hugar

**REGISTRATION NO.:** U15NB22S0025

**CLASS:** B.Sc IV sem

**SUB :** MATHEMATICS

**TOPIC :** Partial Differential Equation & PDE of Second & Higher Order

10  
10

Staff Incharge

Principal,  
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Head of Department  
Dept. of Mathematics  
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1) Define Partial differential equation with example.  
 A differential eqn containing one/more partial derivatives is called Partial differential eqn.

The partial differential eqn occurs only when there are atleast two independent variables.

$$z = f(x, y)$$

Ex:  $\frac{\partial z}{\partial x}, \frac{\partial z}{\partial y}$  .  $x$  &  $y$  - Independent variable  
 $z$  - Dependent variable

2) Form a PDE by eliminating arbitrary function.  $z = f(x^2 - y^2)$

Given  $z = f(x^2 - y^2)$  — (1).  
 diff part w.r.t. 'x'

$$\frac{\partial z}{\partial x} = f'(x^2 - y^2) (2x)$$

$$\frac{p}{2x} = f'(x^2 - y^2) \rightarrow (2)$$

diff part w.r.t. 'y'

$$\frac{\partial z}{\partial y} = f'(x^2 - y^2) (-2y)$$

$$-\frac{q}{2y} = f'(x^2 - y^2) \rightarrow (3)$$

$\div$  eq (2) by eq (3)



$$\frac{\frac{p}{2x}}{\frac{q}{-2y}} = \frac{f'(x^2-y^2)}{f'(x^2-y^2)} \Rightarrow \frac{p}{2x} = \frac{-2y}{q}$$

$$pq = -4xy$$

$\therefore pq + 4xy = 0$  is the required eqn.

3} Solve i)  $p = e^q$

Given  $p = e^q \rightarrow \textcircled{1}$

The given eqn is in the form  $F(p, q) = 0$

The G.S is  $z = ax + by + c \rightarrow \textcircled{2}$

$$p = \frac{\partial z}{\partial x} = a \quad q = \frac{\partial z}{\partial y} = b$$

Eqn  $\textcircled{1}$  becomes  $a = e^b$ .

Substitute  $\log$  on b.s.

$$\log_e a = b \rightarrow \textcircled{3}$$

Substitute eq  $\textcircled{3}$  in  $\textcircled{2}$ .

$z = ax + \log_e b y + c$  is required CI.

ii)  $pq = 1$

Given  $pq = 1 \rightarrow \textcircled{1}$

The given eqn is in the form  $F(p, q) = 0$ .

The G.S is  $z = ax + by + c \rightarrow \textcircled{2}$

$$p = \frac{\partial z}{\partial x} = a, \quad q = \frac{\partial z}{\partial y} = b.$$

$$\text{eqn (1) becomes } = ab = 1$$

Finding the values  $b = \frac{1}{a}$  — (3)

Substituting eqn (3) in eqn (2)

$z = ax + \frac{1}{a}y + c$  is the required CI

4) Solve  $P + q = \sin x + \sin y$

Given  $P + q = \sin x + \sin y \rightarrow (1)$

The given non linear P.D eqn is of the form IV.

The given eqn require as

$$P - \sin x = \sin y - q$$

$$\text{put } P - \sin x = \sin y - q = a$$

$$P - \sin x = a$$

$$P = a + \sin x$$

$$\sin y - q = a$$

$$q = \sin y - a \quad (2)$$

$$\therefore dz = P dx + q dy \rightarrow (3)$$

Substitute P & q values in eqn (3)

$$dz = (a + \sin x) dx + (\sin y - a) dy$$

's' on b.s.



$$\int dz = \int a dx + \int \sin x dx + \int \sin y \cdot dy - \int a dy$$

$$z = ax - \cos x - \cos y - ay + c$$

5) Solve  $Pq = xy$

← Given  $Pq = xy \rightarrow \textcircled{1}$

The given eqn non linear PD eqn of the form IV.

The given eqn rewritten as

$$\frac{P}{x} = \frac{y}{q}$$

Put  $\frac{P}{x} = \frac{y}{q} = a$

$$\frac{P}{x} = a \quad \frac{y}{q} = a$$

$$P = ax \quad q = \frac{y}{a} \rightarrow \textcircled{2}$$

$$dz = P dx + q dy \rightarrow \textcircled{3}$$

substitute  $P$  &  $q$  values in eqn  $\textcircled{3}$

$$dz = ax dx + \frac{y}{a} dy$$

'∫' on G.S.

$$\int dz = \int ax dx + \int \frac{y}{a} dy$$

$$z = \frac{ax^2}{2} + \frac{y^2}{2a} + c$$

6) Solve  $(D-D')^2 z = 0$ .

Given  $(D-D')^2 z = 0$ .

$$(D-D')^2 = 0.$$

A.E put  $D = m$   $D' = 1$

$$\therefore (m-1)^2 = 0.$$

$$m-1 = 0 \quad m-1 = 0.$$

$$m = 1, 1.$$

$$C.F = f_1(y+x) + x f_2(y+x)$$

7) Find Particular Integral of  $(D-D')^2 z = e^{x+y}$ .

Given  $(D-D')^2 z = e^{x+y}$ .

$$\therefore (D-D')^2 = e^{x+y}.$$

$$P.I = \frac{1}{(D-D')^2} e^{x+y}.$$

put  $D = a = 1$ ,  $D' = b = 1$ ,  $m = 2$ .

$$P.I = \frac{1}{(1-1)^2} e^{x+y}.$$

$$\text{Formula} = \frac{x^m}{b^m m!}$$

$$P.I = \frac{x^2}{1 \cdot 2!} e^{x+y}.$$

$$P.I = \frac{x^2}{2} e^{x+y}.$$



$$8\}. (D^2 - 2DD' + D'^2)z = 0.$$

$$\leftarrow \text{Given } (D^2 - 2DD' + D'^2)z = 0.$$

$$(D^2 - 2DD' + D'^2) = 0.$$

$$\text{A.E put } D = m \quad D' = 1$$

$$m^2 - 2m + 1 = 0$$

$$m^2 - 1m - 1m + 1 = 0.$$

$$m(m-1) - 1(m-1) = 0.$$

$$(m-1)(m-1) = 0.$$

$$m = 1, m = 1$$

$$\text{C.F} = f_1(y+x) + x f_2(y+x).$$

$$9\}. 2 \frac{\partial^2 z}{\partial x \partial y} + \frac{\partial^2 z}{\partial y^2} - 3 \frac{\partial z}{\partial y} = 0$$

$$\leftarrow \text{Given } 2 \frac{\partial^2 z}{\partial x \partial y} + \frac{\partial^2 z}{\partial y^2} - 3 \frac{\partial z}{\partial y} = 0.$$

$$\text{wkt } D = \frac{\partial}{\partial x} \quad D' = \frac{\partial}{\partial y}$$

$$(2DD' + D'^2 - 3D')z = 0$$

$$\text{A.E } 2DD' + D'^2 - 3D' = 0.$$

$$D'(2D + D' - 3) = 0.$$

$$D'(2D - (-D') - 3) = 0.$$

$$D' = 0 \quad 2D - (-D') - 3 = 0.$$

corresponding to the factor  $D'$  the CF is  $f_1(x)$   
corresponding to the factor  $2D - (-D') - 3 =$  the  
CF is  $e^{3x/2} f_2(2y + (-1)x)$ .

$$10) (D - 3D' - 2)^2 z = 0.$$

$$\text{Given } (D - 3D' - 2)^2 z = 0.$$

$$(D - 3D' - 2)^2 = 0.$$

$$\therefore \text{The CF} = e^{cx/b} [f_1(by+ax) + xf_2(by+ax)]$$

$$\therefore \text{CF} = e^{-2x} [f_1(y-3x) + xf_2(y-3x)]$$



1). Form a P.D eqn of  $f(x^2+y^2+z^2, z^2-2xy)=0$

Given  $f(x^2+y^2+z^2, z^2-2xy)=0$  — (1)

in the form  $f(u,v)=0$ .

$$u = x^2 + y^2 + z^2$$

$$v = z^2 - 2xy$$

$$\frac{\partial u}{\partial x} = 2x, \frac{\partial u}{\partial y} = 2y, \frac{\partial u}{\partial z} = 2z \quad \frac{\partial v}{\partial x} = -2y, \frac{\partial v}{\partial z} = 2z$$

$$\frac{\partial f}{\partial u} (2x + 2zP) - \frac{\partial f}{\partial v} (-2y + 2zP) = 0 \quad \text{--- (2)}$$

$$\frac{\partial f}{\partial u} (2y + 2zQ) + \frac{\partial f}{\partial v} (-2x + 2zQ) = 0 \quad \text{--- (3)}$$

$$\frac{\partial f}{\partial u} (2(x + zP)) = -\frac{\partial f}{\partial v} (2(zP - y)) \quad \text{--- (4)}$$

$$\frac{\partial f}{\partial u} (2(y + zQ)) = -\frac{\partial f}{\partial v} (2(zQ - x)) \quad \text{--- (5)}$$

∴ eq (4) by eq (5).

$$\frac{x + zP}{y + zQ} = \frac{zP - y}{zQ - x}$$

$$\therefore (x + zP)(zQ - x) - (y + zQ)(zP - y) = 0$$

$$2) \text{ Solve } (x^2 - y^2 - z^2)P + 2xyzQ = 2xzR$$

$$\text{Given } (x^2 - y^2 - z^2)P + 2xyzQ = 2xzR \rightarrow \text{---} \text{---}$$

The given eqn is in the form  $P + Q + R$

$$\text{Here } P = x^2 - y^2 - z^2 \quad Q = 2xyz \quad R = 2xz$$

$$\text{Let } \frac{dx}{x^2 - y^2 - z^2} = \frac{dy}{2yz} = \frac{dz}{2xz}$$

Taking last two fractions

$$\frac{dy}{2yz} = \frac{dz}{2xz}$$

$$\frac{dy}{y} = \frac{dz}{z} \Rightarrow \int \frac{dy}{y} = \int \frac{dz}{z}$$

Integrating on both sides

$$\int \frac{dy}{y} = \int \frac{dz}{z} = \int 0$$

$$\log y = \log z = \log C_1$$

$$\log \left( \frac{y}{z} \right) = \log C_1$$

$$\frac{y}{z} = C_1 = k \rightarrow \text{---} \text{---}$$

Using multipliers  $xyz$  each fraction

$$\text{Formula: } \frac{l dx + m dy + n dz}{lP + mQ + nR} = 0$$



$$\frac{\therefore xdx + ydy + zdz}{x(x^2 - y^2 - z^2) + y(2xy) + z(2xz)} = 0$$

$$\frac{xdx + ydy + zdz}{x^3 - xy^2 - xz^2 + 2xy^2 + 2xz^2} = 0$$

$$\frac{xdx + ydy + zdz}{x^3 + xy^2 + xz^2} = 0$$

$$\frac{xdx + ydy + zdz}{x(x^2 + y^2 + z^2)} = \frac{dz}{2xz}$$

~~$$\frac{2xdx + 2ydy + 2zdz}{x^3 + y^2 + z^2} = \frac{dz}{z}$$~~

Int on b.s.

~~$$\int \frac{2xdx + 2ydy + 2zdz}{x^2 + y^2 + z^2} = \int \frac{dz}{z} = \int 0$$~~

$$\log(x^2 + y^2 + z^2) - \log z = \log C_2$$

$$\log\left(\frac{x^2 + y^2 + z^2}{z}\right) = \log C_2$$

$$\frac{x^2 + y^2 + z^2}{z} = C_2 = v \quad \text{--- (3)}$$

From eq (2) & (3).

$$f\left(\frac{y}{z}, \frac{x^2+y^2+z^2}{z}\right) = 0.$$

This is required solution.

3). Solve  $z^p = -x$ .

The given eqn is in the form of

$$Pp + Qq = R.$$

where  $P = z$   $Q = 0$   $R = -x$ .

$$A.C. = \frac{dx}{z} = \frac{dy}{0} = \frac{dz}{-x}.$$

$$\frac{dx}{z} = \frac{dz}{-x} \quad (\because \text{From 1st \& last fraction})$$

$$-x dx = z dz$$

$$z dz + x dx = 0.$$

'I' on G.S.

$$\int z dz + \int x dx = \int 0.$$

$$\frac{z^2}{2} + \frac{x^2}{2} = c_1,$$

$$u = z^2 + x^2 = 2c_1 = c_2 \quad \text{--- (1)}$$

From 2<sup>nd</sup> fraction.

$$dy = 0.$$

'I' on G.S.

$$\int dy = \int 0 \Rightarrow y = c_2 = v \quad \text{--- (2)}$$

From eqn (1) & (2),  $f(z^2 + x^2, y) = 0$ .



4). Find singular Integral of the eqn

$$z = px + qy + \log(Pq)$$

$$\text{Given } z = px + qy + \log(Pq)$$

The given eqn is of the form type II & hence the CI's.

$$\text{put } p = a, \quad q = b.$$

$$z = ax + by + \log(ab) \rightarrow \textcircled{1}$$

$$z = ax + by + \log a + \log b.$$

To find SI, eliminate a & b from eqn  $\textcircled{1}$

diff part w.r.t. a & b.

$$0 = x + \frac{1}{a} \Rightarrow a = -\frac{1}{x}$$

$$0 = y + \frac{1}{b} \Rightarrow b = -\frac{1}{y}$$

$$z = -\left(-\frac{1}{x}\right)(x) + \left(-\frac{1}{y}\right) + \log\left[-\frac{1}{x}\left(-\frac{1}{y}\right)\right]$$

$$z = -1 - 1 + \log\left[\frac{1}{xy}\right]$$

$$z = -2 + \log\left[\frac{1}{xy}\right]$$

$$z = \log\left(\frac{1}{xy}\right) - 2$$

which is required eqn.

5) Solve  $P+q = \tan^2 x + \operatorname{cosec} y$ .

The given non linear PD eqn is of the form IV.

The given eqn rewritten as

$$P - \tan^2 x = \operatorname{cosec} y - q$$

put  $P - \tan^2 x = \operatorname{cosec} y - q = a$ .

$$P - \tan^2 x = a$$

$$\operatorname{cosec} y - q = a$$

$$P = a + \tan^2 x$$

$$q = \operatorname{cosec} y - a \quad \text{--- (2) ---}$$

$$dz = p dx + q dy \quad \text{--- (3) ---}$$

Substitute  $p$  &  $q$  values in eqn (3) -

$$dz = (a + \tan^2 x) dx + (\operatorname{cosec} y - a) dy$$

'∫' on b.s.

$$\int dz = \int a dx + \int \tan^2 x dx + \int \operatorname{cosec} y dy - \int a dy$$

$$z = ax + \tan x - x + \log(\operatorname{cosec} y - \cot y) - ay + c$$

$$\therefore \int \tan^2 x dx = \tan x - x$$

$$\int \operatorname{cosec} y = \log(\operatorname{cosec} y - \cot y)$$

w.k.t.  
 $\tan^2 x = \sec^2 x - 1$   
 $\int \sec^2 x = \tan x$ .



68. Solve  $\frac{\partial^2 z}{\partial x^2} - \frac{\partial^2 z}{\partial x \partial y} = \sin x \cos 2y$

put  $\frac{\partial}{\partial x} = D$ ,  $\frac{\partial}{\partial y} = D'$

Given  $D^2 z - D D' z = \sin x \cos 2y$

$$D^2 z - D D' z = 0$$

$$(D^2 - D D') z = 0$$

AE  $D = m$   $D' = 1$

$$m^2 - m = 0$$

$$m(m-1) = 0$$

$$m = 0 \quad m = 1$$

C.F =  $f_1 (y + (0)x) + f_2 (y + x)$

P.I =  $\frac{1}{D^2 - D D'} (\sin x \cos 2y)$

Formula:-  $\sin A \cos B = \frac{1}{2} [\sin(A+B) + \sin(A-B)]$

P.I =  $\frac{1}{D^2 - D D'} \left[ \frac{1}{2} [\sin(x+2y) + \sin(x-2y)] \right]$

$$= \frac{1}{2} \frac{1}{D^2 - D D'} \sin(x+2y) + \frac{1}{2} \frac{1}{D^2 - D D'} \sin(x-2y)$$

PI =  $\frac{1}{2} \left[ \frac{1}{-1+2} \right] \sin(x+2y) + \frac{1}{2} \left[ \frac{1}{-1-2} \right] \sin(x-2y)$

$$= \frac{1}{2} \left( \frac{1}{1} \right) \sin(x+2y) + \frac{1}{2} \left[ \frac{1}{-3} \right] \sin(x-2y)$$

PI =  $\frac{1}{6} \sin(x+2y) + \frac{1}{2} \sin(x-2y)$

C.S = C.F + P.I

C.S =  $f_2 (y+x) + \frac{1}{2} \sin(x+2y) + \frac{1}{6} \sin(x-2y)$

$$\Rightarrow \text{Solve } (D^2 - 2DD' + D'^2)z = 12xy$$

$$\text{Given } (D^2 - 2DD' + D'^2)z = 12xy$$

$$D^2 - 2DD' + D'^2 = 0$$

$$\text{put } D = m, D' = 1$$

$$\text{A.E. } m^2 - 2m + 1 = 0$$

$$m^2 - 1m - 1m + 1 = 0$$

$$m(m-1) - 1(m-1) = 0$$

$$(m-1)(m-1) = 0$$

$$m = 1, m = 1$$

$$\text{C.F.} = f_1(y+x) + x f_2(y+x)$$

$$\text{P.I.} = \frac{1}{D^2 - 2DD' + D'^2} 12xy$$

$$= \frac{1}{(D - D')^2} 12xy$$

$$= \frac{1}{D^2 \left(1 - \frac{D'}{D}\right)^2} 12xy$$

$$= \frac{12}{D^2} \left[1 - \frac{D'}{D}\right]^{-2} xy$$

$$= \frac{12}{D^2} \left[1 + 2\frac{D'}{D} + 0 + \dots\right] xy$$

$$\text{P.I.} = \frac{12}{D^2} \left[1 + 2 \frac{\frac{\partial z}{\partial y}}{\frac{\partial z}{\partial x}} + \dots\right] xy$$

$$= \frac{12}{D^2} \left[xy + 2 \frac{D'}{D} (xy)\right]$$



$$= \frac{12}{D^2} \left[ xy + \frac{x^2}{2} \right]$$

$$= \frac{12}{D^2} \left[ xy + x^2 \right]$$

$$= \frac{12}{D} \left[ \int (xy + x^2) dx \right]$$

$$= \frac{12}{D} \left[ \frac{x^2}{2} y + \frac{x^3}{3} + C \right]$$

$$= 12 \left[ \int \frac{x^2}{2} y + \frac{x^3}{3} \right]$$

$$= 12 \left[ \frac{x^3}{6} y + \frac{x^4}{12} + C \right]$$

$$= 12 \left[ \frac{2x^3 y + x^4}{12} + C \right]$$

$$P.I = 2x^3 y + x^4 + C$$

$$G.S = C.F + P.I$$

$$G.S = f_1 (y+x) + x f_2 (y+x) + 2x^3 y + x^4 + C$$

Ex. Solve  $\eta - s - 6t = y \cos x$

Given  $\eta - s - 6t = y \cos x$

wkt  $\eta = \frac{\partial^2 z}{\partial x^2}$ ,  $s = \frac{\partial^2 z}{\partial x \partial y}$ ,  $t = \frac{\partial^2 z}{\partial y^2}$

$$\therefore \frac{\partial^2 z}{\partial x^2} - \frac{\partial^2 z}{\partial x \partial y} - 6 \frac{\partial^2 z}{\partial y^2} = y \cos x$$

wkt  $\frac{\partial}{\partial x} = D$   $\frac{\partial}{\partial y} = D'$

'c' replaced by  $y+3x$ .

$$P.I = (y+3x-3x) (-\cos x) - (\sin x)$$

$$P.I = y(-\cos x) - \sin x$$

$$C.S = (f_1(y-2x) + f_2(y+3x) - y\cos x - \sin x)$$

9. Solve  $2\frac{\partial^2 z}{\partial x \partial y} + \frac{\partial^2 z}{\partial y^2} - 3\frac{\partial z}{\partial y} = 5 \cos(3x-2y)$ .

Eg can be written as

$$(2DD' + D'^2 - 3D')z = 5 \cos(3x-2y)$$

$$(2DD' + D'^2 - 3D') = 0$$

$$D'(2D + D' - 3) = 0$$

$$D'(2D - (-D') - 3) = 0$$

$$D' = 0 \quad 2D - (-D') - 3 = 0$$

corresponding to the factor  $D'$  the CF is  $f_1(x)$

corresponding to the factor  $(2D - (-D') - 3)$  the

$$C.F \text{ is } e^{3x/2} f_2(2y + (-1)x)$$

$$P.I = \frac{1}{2DD' + D'^2 - 3D'} 5 \cos(3x-2y)$$

put  $DD' = -ab$        $D'^2 = -b^2$        $a=3$        $b=2$

$$DD' = -6$$

$$D'^2 = -4$$

$$P.I = \frac{1}{8-3D'} 5 \cos(3x-2y)$$

$$= \frac{8+3D'}{(8-3D')(8+3D')} 5 \cos(3x-2y)$$

$$= \frac{8+3D'}{64-9D'^2} 5 \cos(3x-2y)$$



$$(D^2 - DD' - 6D'^2)z = y \cos x.$$

AE put  $D = m$   $D' = 1$

$$m^2 - m - 6 = 0$$

$$m(m-3) + 2(m-3) = 0$$

$$(m-3)(m+2) = 0$$

$$m = 3, -2.$$

$$C.F = f_1(y-2x) + f_2(y+3x)$$

$$P.I = \frac{1}{D^2 - DD' - 6D'^2} y \cos x$$

$$= \frac{1}{(D-3D')(D+2D')} y \cos x$$

$$= \frac{1}{D-3D'} \left[ \frac{1}{D+2D'} y \cos x \right]$$

$$= \frac{1}{D-3D'} \left[ \int (c+2x) \cdot \cos x \right]$$

$$P.I = \frac{1}{D-3D'} \left[ (c+2x) \cdot \sin x + 2 \cdot \cos x \right]$$

'c' replaced by  $y-2x$ .

$$P.I = \frac{1}{D-3D'} \left[ y \sin x + 2 \cos x \right]$$

'y' replaced by  $c-3x$ .

$$P.I = \int [c-3x) \sin x + 2 \cos x] dx$$

$$P.I = (c-3x)(-\cos x) - 3 \sin x + 2 \sin x$$

$$P.I = (c-3x)(-\cos x) - \sin x$$

$$= \frac{8+3D'}{64-9(-4)} s^{-5} \cos(3x-2y)$$

$$= \frac{8+3D'}{64+36} s^{-5} \cos(3x-2y)$$

$$= \frac{8+3D'}{100} s^{-5} \cos(3x-2y)$$

$$= \frac{s^{-5}}{100 \cdot 20} (8+3D') [\cos(3x-2y)]$$


$$= \frac{1}{20} (8+3D') [\cos(3x-2y)]$$

$$= \frac{1}{20} [8\cos(3x-2y) + 3D'\cos(3x-2y)]$$

$$P.I = \frac{1}{20} [8\cos(3x-2y) + 3\sin(3x-2y) (-2)]$$

$$C.F. = C.F. + P.I.$$

$$\Rightarrow f_1(x) + e^{3y/2} f_2(2y + (-1)x) + \frac{1}{20} [8\cos(3x-2y) + 3\sin(3x-2y)]$$



**Coordinator IQAC**  
P. Porwal Arts, Comm &  
V. Salimath, Science  
SINDGI-586128. Contact: 5234

**Porwal**  
Dept. of Mathematics  
P.P. & L. Comm. & V.V. Science  
College, SINDGI-586128.



**Principal,**  
G.P. Porwal Arts, Comm &  
V.V. Salimath Science  
SINDGI-586128. Contact: 5234





S.P.V.V.S'S

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE  
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)**

**Affiliated to Rani Channamma University, Belagavi**

**Accredited at 'B++' Grade (2.76 CGPA) by NAAC**

E-mail: [gppprincipal@gmail.com](mailto:gppprincipal@gmail.com) Web: [www.gppvvs.ac.in](http://www.gppvvs.ac.in) Ph: 08488-221244 Mobile: 9611032604

Academic year-2023-24

24/01/2024

To  
IQAC Co-Ordinator  
GPP Arts, Commerce & V.V.S.Science College  
Sindagi

Subject: Permission for Field visit

Ref No: As per Rani Channamma University Belagavi

Respected sir,

We, the faculty of Department of Botany along with B Sc students planned to visit to Babaleshwar Nursery on 30/01/ 24 for Practical experimental demonstrations and field observations as it is made compulsory according to Rani Channamma University syllabus .Therefore, we kindly request you to give permission to visit.

Hope the authority will consider and oblige.

Thanking you.

Sindagi  
Date: 24/01/2024

Your's faithfully,

HEAD

(P.S. Muttibeny)

G.P.P. & V.V.S. College  
SINDGI - 586 128

Coordinator IQAC

G. P. Porwal Arts, Comm &  
V. V. Salimath Sc. College  
SINDGI-586128. College Code: 523

Principal,

G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
SINDGI-586128. College Code: 523



S.P.V.V.S'S

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE  
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)**

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E-mail: [gppprincipal@gmail.com](mailto:gppprincipal@gmail.com) Web: [www.gppvvs.ac.in](http://www.gppvvs.ac.in) Ph: 08488-221244 Mobile: 9611032604

Date: 25/01 /2024  
Academic Year: 2023-24

To,  
Head,  
Department of Botany

Sub: Permission for nursery visit .  
Ref: Your letter dated 24/01 /2024

Sir/Madam,

With reference to subject cited above I herewith permit you for nursery visit for B.Sc. V semester students.

Thanking you,

Place: Sindgi  
Date: 25/01 /2024

Coordinator, IQAC

HEAD

Dept. of Botany

G.P.P. & V.V.S. College  
SINDGI - 586 128

Coordinator IQAC

G. P. Porwal Arts, Comm &  
V. V. Salimath Sc. College

SINDGI-586128. College Code: 5234

Principal,  
G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
SINDGI-586128. College Code: 5234



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Date: 27/01/2024

To,  
DRFO  
Sindagi Regional Forest Department,  
Forest Department of Vijaypur  
Babaleshwar Nursery

Subject: Permission for Field visit  
Ref No: As per Rani channamma University Belagavi of Vth Sem  
Botany Practical

Respected sir,

The faculty of Department of Botany planned for field study and visit to Babaleshwar Nursery on 30/01/2024 for B.Sc V Sem Practical experimental demonstrations and field observations as it is made compulsory according to Rani Channamma University syllabus. Therefore, we kindly request you to give permission to visit. We hope the authority will provide suitable experts for above said subject.

Hope the authority will consider and oblige.  
Thanking you.

Sindagi  
Date: 27/01/2024

HEAD  
Dept. of Botany  
G.P.P. & V.V.S. College  
SINDGI - 586 128

Coordinator IQAC  
G. P. Porwal Arts, Comm &  
V. V. Salimath Sc. College  
SINDGI-586128. College Code: 5234

Principal,  
G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
SINDGI-586128. College Code: 5234

**S.P.V.V.S**

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH  
SCIENCE COLLEGE SINDAGI - 586128**

**TQ : SINDAGI**

**DIST : VIJAYAPURA**



**DEPARTMENT OF BOTANY**

**B.Sc V SEM**

**VISIT TO NURSERY**

**2023-2024**

**NAME : Suprita Donur**

**SUBJECT: Botany - II**

**CLASS : B.Sc V sem**

**REG NO : U15NB21S0040**

**SUBMITTED BY  
Suprita**

*Examiners*  
1) *P. B. U.*  
2) *A.*

**SUBMITTED TO  
Smt. Shailaja M**

**HEAD  
Dept. of Botany  
G.P.P. & V.V.S. College  
SINDGI - 586 128**

**Co-ordinator IQAC  
G. P. Porwal Arts, Comm & V. V. Salimath  
Science College, SINDGI-586128. Dt. Vijayapur**

**Principal,  
G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,**



SPVVS

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH  
SCIENCE COLLEGE SINDAGI - 586128**



**DEPARTMENT OF BOTANY**


**CERTIFICATE**


This is to certify that kumari **Suprita Donur** in class **B.Sc. V semester** has satisfactorily **Visit to Nursery** in Botany - II under my supervision as laid in the Regulation of Rani Channamma University Belagavi.

Date : 7/2/2020  
Staff Incharge

  
Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath  
Science College, SINDGI-586128. Dt: Ayayapur

  
Head of Department  
Dept. of Botany  
G.P.P. & V.V.S. College  
SINDGI - 586 128

  
Principal,  
G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
SINDGI - 586128. Cell No: 9714

## INTRODUCTION

AS Per RCU Syllabus for V sem Paper II Nursery Visit has been made compulsory. Our Teachers planned to visit Babaleshwar Nursery along with V sem students. On 30 January 2024, 40 students with two lectures went for Nursery visit to Babaleshwar. With an aim to Visit the Nursery for the knowledge about the raising of plants in Nursery.

We Left at 10 O' Clock and Reached at 10.30 am. after that we were guided by DRFO Siddu Sir. He educated us about the importance of Nursery.



*[Signature]*

HEAD  
Dept. of Botany  
G.P.P. & V.V.S. College  
SINDGI - 586 128

*[Signature]*  
Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath  
Balsane College, SINDGI-586128. D.V. Jayaraj

*[Signature]*  
Principal,  
Porwal Arts, Comm. &  
V. Salimath Sc. College,  
SINDGI-586128. College Code: 5234



## ARTIFICIAL POND



Different Methods of Artificial ponds are used in Agriculture in order to support to the nursery .

The pond area measures about 1 acre, & its depth about 24 ft. Here the pond was filled by Borewell water. Nursery pond is dug out structure with definite shape and size. Stored Water can be used for the Watering Nursery Plants .



## GREEN HOUSE

A green house is a structure with walls and roof made chiefly of transparent material, such as glass, in which plants requiring regulated climatic conditions are grown.

These structures range in size from small sheds to industrial sized buildings. A miniature greenhouse is known as a cold frame.

The interior of a greenhouse exposed to sunlight becomes significantly warmer than the external ambient temperature, protecting from cold weather.

HEAD

Dept. of Botany

G.P.P. & V.V.S. College

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## POLY HOUSE

- ▶ A poly house is specially constructed structure like a building for growing plants under control conditions . It is covered with transparent material as such permits entry of natural light.
- ▶ A polyhouse or greenhouse is actually the same things. Traditionally the green house were constructed on wooden frames where the glass was used as covering material.



Bableshtar, Karnataka, India  
2726+PC7 Plant custody office, Bableshtar, Karnataka 586128, India  
Lat 17.001532°  
Long 76.260509°  
30/01/24 11:45 AM GMT +05:30

**Seedbed** preparation is an a important step that can optimize seed germination and survival rate the goal of seedbed preparation are to retain the maximum amount of soil moisture, control competing vegetation, improve seed to soil contact and allow for the proper seedling depth, germination & emergence of the species to be seeded in the conservation planting.

#### **Four basic seedbed requirements**

- Water
- Air
- Warmth & an environment free from diseases.





To cultivate the Sandalwood trees we need sandy soil or red clay soil is used for the preparation of seedbed for the plantation of sandalwood seedlings.

**Sunken bed** : This type of nursery bed is prepared in a dry & windy areas .

Sunken bed facilitates the deposition of irrigation water or rain water for a long time.

Sunken bed provide protection to the seedlings during high wind condition as they are covered.

*Handwritten signature in red ink.*

*Handwritten signature in black ink.*  
**HEAD**  
 Dept. of Botany  
 G.P.P. & V.V.S. College  
 SINDGI - 586 128

*Handwritten signature in black ink.*  
**Co-ordinator IQAC**  
 G. P. Porwal Arts, Comm & V. V. Salimath  
 Science College, SINDGI-586128. Dt.Vijayapur

*Handwritten signature in green ink.*  
**Principal,**  
 G. P. Porwal Arts, Comm. &  
 V. Salimath Sc. College,  
 SI-586128. Collere Code: 5214

**G.P.PORAWALARTS,COMMERCEANDV.V.SALIMATH**  
**SCIENCECOLLEGE**  
**SINDAGI-586128**



**ACADEMIC YEAR 2023-24**

**DEPARTMENT OF PHYSICS**

**ASSIGNMENT**

**NAME: RUCHITA H BAJANRI**

**CLASS: BSC I SEM**

**REG.NO : U15NB23S0061**

**DATE: 16-01-2024**

**SUBJECT: PHYSICS**

**STAFF IN CHARGE**

**Prof:Soumya Nigadi**

**HOD**

**Prof:M.H.Loni**

*[Signature]*  
**Head**

**Dept. of Physics**

**G.P.P. Arts, Commerce & V.V.S.Science  
College, SINDAGI - 586 128.**

*[Signature]*  
**Coordinator IQAC**

**G. P. PORWAL ARTS, COM &  
V. V. SALIMATH Sc. College  
SINDGI-586128**

*[Signature]*  
**Principal,**

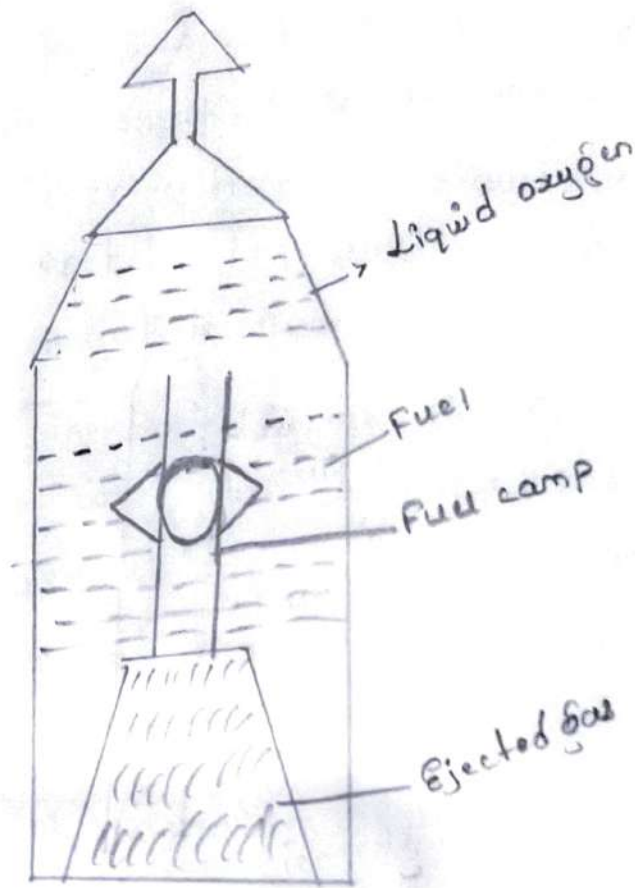
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V. V. Salimath Sc. College  
SINDGI-586128. College Code: 523**



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1. Write the principle of Rocket and Derive the Eq<sup>n</sup> of motion for single stage Rocket



⇒ Rocket :- It is a device which is used to place a satellite into an orbit. It is based on the principle of Conservation of momentum under variable mass.

A Rocket carries both the fuel and the oxidiser, which burn in combustion chamber within the rocket. When the rocket is fired, the Exhaust gases rush downward at high speed and push the rocket is supplied by the reaction force of the high speed gases ejected at the rear.



Suppose the rocket along with its fuel has mass  $M$  and is moving with a velocity ' $v$ ' at any instant. Let this velocity be considered with respect to some inertial frame of reference which is assumed to be the Earth.

After a time an exhaust velocity  $v_e$  w.r.t moving rocket. The velocity  $v_e$  is constant and being negative quantity.

The velocity of the Ejected gases w.r.t Earth is given by  $v_0 = v + v_e$

The mass of the rocket decreases  $[M - dm]$

The velocity increases to  $[v + dv]$  where  $dv$  is a small increase in velocity.

Initial momentum of rocket with fuel  $P_1 = Mv$

Final momentum of rocket and Exhaust gases  $P_2 [M - dm] (v + dv) + dm (v + v_e)$

Change in momentum  $dp = P_2 - P_1$

$$dp = P_2 - P_1$$

$$= [M - dm] [v + dv] + dm [v + v_e] - Mv$$

$$= Mv + Mdv - vdm - dmdv + vdm + v_e dm - Mv$$

$$= Mdv - dmdv + v_e dm$$

$dm$  and  $dv$  are very small so neglected

$$dp = Mdv + v_e dm$$

The rate of change of momentum is given by

$$\frac{dp}{dt} = M \frac{dv}{dt} + ve \frac{dM}{dt}$$

$$\frac{dp}{dt} = M \frac{dv}{dt} + ve \left[ \frac{-dM}{dt} \right] \rightarrow (1)$$

according to Newton's Second law

$$\frac{dp}{dt} = F_e \rightarrow (2)$$

From eq<sup>n</sup> (1) & (2)

$$F_e = M \frac{dv}{dt} - ve \frac{dM}{dt}$$

$$M \frac{dv}{dt} = F_e + ve \frac{dM}{dt} \rightarrow (3)$$

Thrust on the rocket:

If the rocket is moving in a region outside the influence of the gravitational pull of the Earth

$$F_e = 0$$

Hence the eq<sup>n</sup> (3) becomes

$$M \frac{dv}{dt} = ve \frac{dM}{dt} \rightarrow (4)$$

$$\therefore \text{Rocket thrust} = ve \frac{dM}{dt}$$

both  $ve$  and  $\frac{dM}{dt}$  are  $-ve$  quantities  $\left[ ve \frac{dM}{dt} \right]$   $+ve$  quantity

thrust on the rocket upward direction

$$F_e = mg$$

$$\therefore \text{eq<sup>n</sup> (4) becomes } \Rightarrow M \frac{dv}{dt} = ve \frac{dM}{dt} + mg \rightarrow (5)$$

is a negative quantity  $g$  acts downward direction



$$dv = v_e \frac{dM}{dt} \rightarrow (6)$$

integrate the Eq<sup>n</sup> and  $M_0$  is the initial mass of

the rocket

$$\int_{v_0}^v dv = v_e \int_{M_0}^M \frac{dM}{M}$$

$$v - v_0 = v_e \left[ \log \frac{M}{M_0} \right]$$

$$v = v_0 + v_e \log \frac{M_0}{M} \rightarrow (7)$$

Maximum burnt velocity: If  $M_f$  is the mass of rocket at burnt out i.e. when the entire fuel has been exhausted and  $v_f$  is the maximum or final velocity

$$v_f - v_0 = -v_e \log \frac{M_0}{M_f}$$

$$[\because v_0 = 0]$$

$$v_f = -v_e \log \frac{M_0}{M_f}$$

Single stage rocket: In case of single stage rocket which has only one engine the final mass  $M_f$  is mainly due to the fuel containers & it cannot be smaller than 10% of  $M_0$ .

If  $\frac{M_0}{M_f} = 10$  initial velocity  $v_0 = 0$  &  $v = 2 \text{ km/sec}$

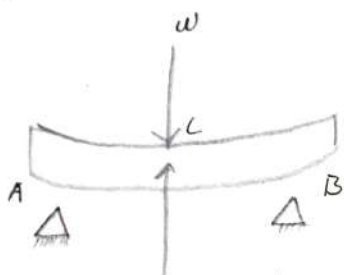
$$\begin{aligned} \text{the final velocity } v &= v_0 + v_e \log \frac{M_0}{M_f} = 0 + 2 \log 10 \\ &= 2 \times 2.303 \times 1 = 4.606 \text{ km/sec.} \end{aligned}$$

Smaller than the escape velocity (11.2 km/sec)

Hence such that large velocity cannot be obtained. To obtain a velocity more than escape velocity, employing two or three stage rockets.

2. Determine the young's modulus by bending of beam supported at its ends and loaded at middle <sup>05</sup>

→ Consider a rod of certain material and support at two knife edges A and B. If the rod is loaded at the centre 'c' with a load W. Then the reaction at each knife edge will be  $W/2$  in the upward direction.



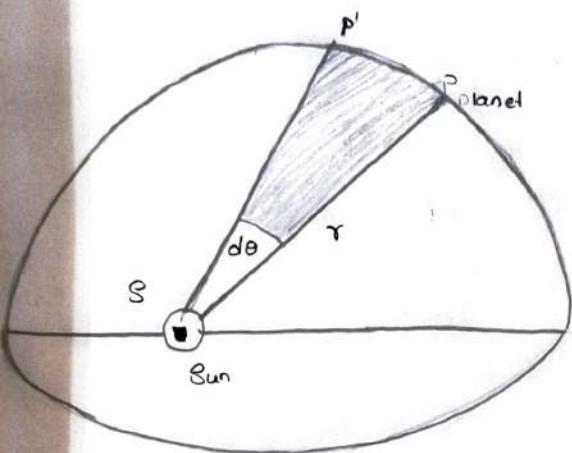
Since the middle part of the rod is practically horizontal. It may be considered as equal two inverted cantilevers fixed at 'c' and being loaded at A and B with a load  $W/2$  acting on the beam then the depression  $y$  at c is given by

$$y = \frac{W \left(\frac{l}{2}\right)^3}{3YI_g}$$

$$y = \frac{Wl^3}{48YI_g}$$



Explain Kepler's law of planetary motion derive Kepler's Second and Third law



## Second Law

Suppose a planet 'p' is moving in an elliptic orbit as shown in fig. If it moves from p to p' in a small interval of time 't' the area swept out by the radius vector is SPP'.

Straight line =  $r d\theta$  and SPP' is a triangle

$$\begin{aligned} \text{Area of the triangle SPP'} &= dA = \frac{1}{2} r \times r d\theta \\ &= \frac{1}{2} r^2 d\theta \end{aligned}$$

This is the area swept out in a time dt

$$\begin{aligned} \text{Rate of which area is swept out} &= \frac{dA}{dt} = \frac{1}{2} r^2 \frac{d\theta}{dt} \\ &= \frac{1}{2} r^2 \dot{\theta} \left[ \dot{\theta} = \frac{d\theta}{dt} \right] \end{aligned}$$

The angular momentum  $J = m r^2 \dot{\theta}$

It is a constant under a central force

$$\frac{1}{2} r^2 \dot{\theta} = \frac{J}{2m} = \text{a constant}$$

From Eq<sup>n</sup> (1) & (2)

$$\text{Hence } \frac{dA}{dt} = \frac{J}{m} = \text{a constant.}$$

This verifies that the Second law "The radius vector sweeps out Equal areas in Equal intervals of time."

### Third Law

If 'T' is the periodic time describing the complete orbit then the area of the orbit is given by

$$\frac{dA}{dt} = \frac{1}{2} r^2 \dot{\theta} \Rightarrow dA = \frac{1}{2} r^2 \dot{\theta} dt$$

Integrate on both side

$$A = \int_0^T \frac{1}{2} r^2 \dot{\theta} dt = \int_0^T \frac{J}{2\mu} dt = \frac{JT}{2\mu}$$

But area of the ellipse  $A = \pi ab$

here 'a' and 'b' are the Semi-major and Semi-minor axis of the ellipse

$$b = a \sqrt{1 - E^2} = a \sqrt{1 - 1 - \frac{2EJ^2}{\mu k^2}} = a \sqrt{\frac{2EJ^2}{\mu k^2}}$$

$$E = \frac{-k}{2a}$$



$$\therefore b = a \sqrt{\frac{kJ^2}{a\mu k^2}} = a^{1/2} \sqrt{\frac{J^2}{\mu k}}$$

Substituting value of  $b$  in Eq<sup>n</sup> (2) we get

$$A = \pi a^{3/2} \sqrt{\frac{J^2}{\mu k}}$$

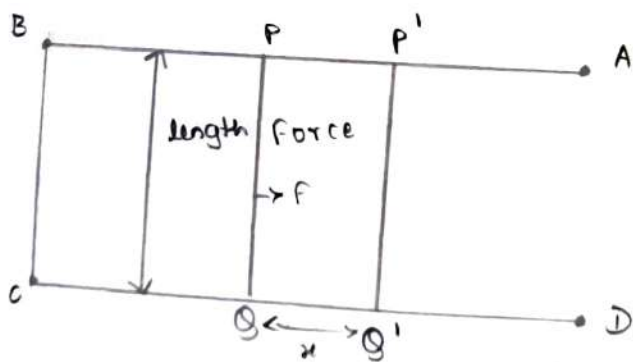
Comparing Eq<sup>n</sup> (1) & (3) we get

$$\frac{JT}{2\mu} = \pi a^{3/2} \sqrt{\frac{J^2}{\mu k}}$$

$$\text{Squaring } \frac{J^2 T^2}{4\mu^2} = \pi^2 a^3 \frac{J^2}{\mu k} \Rightarrow T^2 = 4\pi^2 a^3 \frac{\mu}{k}$$

$$\text{i.e. } T^2 \propto a^3$$

Derive the Relation between Surface Tension and Surface Energy



Consider a rectangular metallic frame ABCD.

Keeping a rod 'PQ' slidable on the frame

Now dip it in Soap Solution so film is formed.

Due to Surface tension this film will pull 'PQ' inwards to keep it in same position like have to apply force 'F'

Now move 'PQ' outwards by a distance 'x' then work done

$$\text{Work done} = Fx$$

$$\text{i.e. } W = Fx \rightarrow \text{Eq}^n \text{ (1)}$$

$$\text{Surface tension} = \frac{\text{force}}{\text{length}}$$

$$\text{That is } T = \frac{F}{2l}$$

$$\text{Therefore } F = T \cdot 2l \rightarrow \text{(2)}$$

The Equations are

$$W = Fx \text{ and}$$

$$F = T \cdot 2l$$



$$F = T \cdot 2dx \rightarrow (2)$$

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put Equation (2) in Eq<sup>n</sup> (1)

$$W = T \cdot 2dx \rightarrow (3)$$

So this work is stored as Surface Energy

$$S.E = T \cdot 2dx$$

But  $2dx = \text{Increase in Surface area} = a$

$$S.E [E = T \cdot a]$$

or

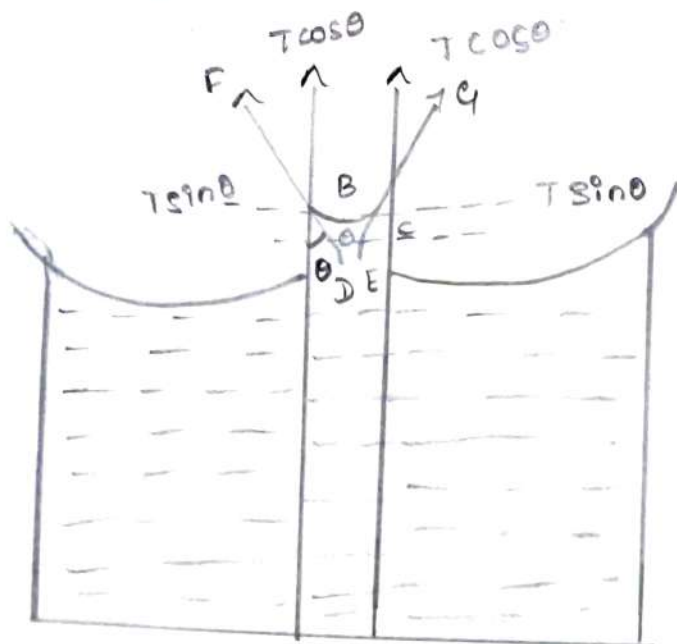
$$T = \frac{E}{a}$$

If  $a = 1 \text{ unit}$   $T = E$

[ $a = 1 \text{ unit}$   $T = E$ ]

$$T = E$$

5. Derive the Expression for rise of liquid in a Capillary tube.



When a capillary tube open at both ends is dipped vertically in a liquid. The surface of the liquid inside the tube is generally curved. If the liquid inside the tube wets the tube as in the case of water, the surface is concave upwards and the pressure in the liquid just below the meniscus less than atmospheric pressure above it by an amount  $\left[ \frac{2\gamma}{r} \right]$  where  $\gamma$  is the surface tension of the liquid and  $r$  is the radius of curvature of the meniscus. The weight of the liquid rises of curvature of the capillary tube and the weight of the liquid in it balances this difference of pressure.

Let  $h$  be the height of the liquid in the tube from the horizontal surface in the vessel to the tangent plane at the bottom 'B' of the meniscus.  $r$  the radius of the tube  $\rho$  the density of the liquid

$$\begin{aligned} \text{Volume of the liquid in the meniscus} &= \text{Volume of the cylinder of height } h - \text{Volume of the hemisphere} \\ &= \pi r^2 h - \frac{2}{3} \pi r^3 \\ &= \frac{1}{3} \pi r^3 \end{aligned}$$

$$\therefore \text{The total volume of the liquid} = \pi r^2 h + \frac{1}{3} \pi r^3 \rightarrow \pi r^2 \left[ h + \frac{r}{3} \right] \rho g$$

$$\text{Weight of the liquid} = \pi r^2 \left[ h + \frac{r}{3} \right] \rho g$$



Total force acting vertically upward =  $2\pi r T \cos\theta$   
This vertically upward force supports the weight  
 $\therefore 2\pi r T \cos\theta = \pi r^2 \left[h + \frac{r}{3}\right] \rho g$

$$T = \frac{\pi \left[h + \frac{r}{3}\right] \rho g}{2 \cos\theta}$$

If the capillary is very fine 'r' is very very small &  $r/3$  can be neglected as compared

to h.  $T = \frac{r h \rho g}{2 \cos\theta}$

$\therefore$  Liquid rises through a height

$$h = \frac{2T \cos\theta}{r \rho g}$$

For a liquid for which  $\theta = 0$   $\cos\theta = 1$

$$\left[ \therefore h = \frac{2T}{r \rho g} \right]$$



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## **BRIDGE COURS**

- 1. Notice**
- 2. Submission Copy**
- 3. Objectives**
- 4. Syllabus Copy**
- 5. Attendance Copy**
- 6. Test Conducted Copy**





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## DEPARTMENT OF CHEMISTRY

Class : B.SC I Semester

Academic Year : 2023-24

24

### Notice

It is hereby informed to the students of B.SC I semester that the department of Chemistry is going to conduct the Bridge Course for the students of DSC Chemistry from 06/11/2023 to 09/11/2023

Department

  
 Coordinator IQAC

  
 Principal,  
 G. P. Porwal Arts, Comm. &  
 V. V. Salimath Sc. College,  
 SINDGI-586128. College Code: 5234



Head of Dept.

Dept. of Chemistry

G. P. Porwal Arts & Commerce &

V. V. Salimath Science College

SINDGI-586128



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## Objectives

- To provide an introduction to basic concepts in inorganic, organic, physical and analytical chemistry to under graduate students.
- To fill the gap between prior knowledge and to strengthen the basics of Chemistry.
- Increase the interest of students in Chemistry practical as well as increase knowledge in Chemistry.

Coordinator IQAC

Principal,  
G. P. Porwal Arts, Comm. &  
V. V. Salimath Sc. College,  
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H.O.D.

Dept. of Chemistry  
G. P. Porwal Arts & Commerce, &  
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## Syllabus

### Unit I

Some basic concept of Chemistry, Atomic and Molecular Structure, Periodic table and their properties, Solid State, Solution and Colligative Properties, Chemical Thermodynamics, Coordination Chemistry.

### Unit II

Fundamentals in Organic Chemistry, Aliphatic ( Alkenes' , Alkenes and Alkynes) and Aromatic Hydrocarbons, Alcohols Phenol and Amines, Introduction to Carbonyl and Carboxyl Chemistry, IUPAC nomenclature, Bimolecular, Chemistry in everyday life

Coordinator IQAC

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**DEPARTMENT OF CHEMISTRY**

Bridge course


Class : B.SC I Semester      Academic Year : 2023-24

Work diary

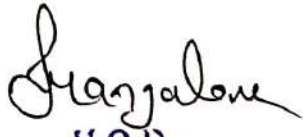
Name of the assistant Professor: Smt. Sunanda S Mangalore , Miss A S Natikar

Sub: Chemistry

Date	Time	Topics covered
06/11/24	9.40to10.30am	Some basic concept, Atomic and Molecular structure Periodic table and their properties, Solid state,
07/11/24	9.40to10.30am	,solution and colligative properties, chemical Thermodynamic, Coordination Chemistry,
08/11/24	8.00to8.50am	Fundamental in organic chemistry, Aliphatic (Alkanes, Alkenes and Alkynes) Aromatic Hydrocarbons, Alcohols phenol and carbonyl and carboxyl chemistry.
09/11/24	8.00to8.50am	IUPAC nomenclature, Bimolecular, Chemistry in everyday life.

  
 Coordinator IQAC

  
 Principal,  
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### DEPARTMENT OF Chemistry

From,

Smt. S S Mangalore

HOD of Chemistry

G. P. Porwal Arts Commerce & V.V. Salimath  
 Science College, Sindgi

To,

IQAC Co-coordinator

G. P. porwal Arts Commerce & V.V. Salimath  
 Science College, Sindgi

Subject: Submission of report of Chemistry Bridge Course for B.SC I Semester students reg.....


Dear Sir,

With reference to the subject cited above I, herewith enclose a detailed report of the bridge course conducted for B.Sc First Semester, this is for your kind information and further necessary action.

Thanking you,

  
 Coordinator IQAC

  
 Principal,  
 G. P. Porwal Arts, Comm. &  
 V. V. Salimath Sc. College,  
 SINDGI-586128. College Code: 5234

  
 Yours Sincerely,  
 H.O.D.  
 Dept. of Chemistry.  
 G P Porwal Arts & Commerce. &  
 V V Salimath Science College  
 SINDGI-586128



S.P.V.V.S'S

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From

Smt. S S Mangalore

HOD of Chemistry

G. P. Porwal Arts Commerce &amp; V.V. Salimath

Science College, Sindgi

To,

IQAC Co-coordinator

G. P. Porwal Arts Commerce &amp; V.V. Salimath

Science College, Sindgi

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**Dept. of Chemistry.****G P Porwal Arts & Commerce, &****V V Salimath Science College**

SINDGI - 586 128

**Coordinator IQAC**
  
**Principal,**
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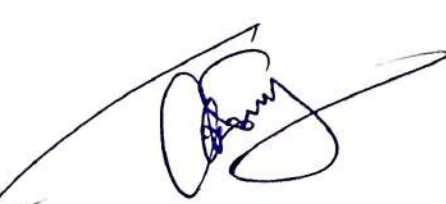
## BRIDGE COURSE ATTENDANCE

2023-2024 B.SC.1<sup>ST</sup> SEM

Sl.no	Name of the student	Reg no					Sign
1.	ASHWINI N	U15NB23S0001	APN	APN	APN	APN	APN
2.	SIDDANNA P	U15NB23S0007	Sul	Sul	Sul	Sul	Sul
3.	SANGANNA K	U15NB23S0008	S	S	S	S	S
4.	SHASHIDHAR B D	U15NB23S0013	S	S	S	S	S
5.	VIRUPAKSHAPPA N B	U15NB23S0016	<del>Vir</del>	<del>Vir</del>	<del>Vir</del>	<del>Vir</del>	<del>Vir</del>
6.	AKKAMAHADEVI	U15NB23S0023	Alu	Alu	Alu	Alu	Alu
7.	AISHWARYA S S	U15NB23S0025	A	A	A	A	A
8.	GURURAJ D	U15NB23S0027	Gur	Gur	Gur	Gur	Gur
9.	KAVERI K	U15NB23S0032	KAV	KAV	KAV	KAV	KAV
10.	KAVERI M P	U15NB23S0033	KAV	KAV	KAV	KAV	KAV
11.	LAXMI G Y	U15NB23S0035	Lax	Lax	Lax	Lax	Lax
12.	CHANDRAKALA P	U15NB23S0042	Cha	Cha	Cha	Cha	Cha
13.	AKSHAY B P	U15NB23S0044	AKB	AKB	AKB	AKB	AKB
14.	POONAM W	U15NB23S0060	Poon	Poon	Poon	Poon	Poon
15.	SANJANA I M	U15NB23S0064	S	S	S	S	S
16.	ANNAPURNA S B	U15NB23S0065	Annap	Annap	Annap	Annap	Annap
17.	PREETI J	U15NB23S0066	PRE	PRE	PRE	PRE	PRE
18.	SACHIN Y	U15NB23S0068	Sach	Sach	Sach	Sach	Sach



19.	GIRISH S G	U15NB23S0070	CG	CG	CG	CG	CG
20.	BHAGYASHRI B H	U15NB23S0071	B.B.H	B.B.H	B.B.H	B.B.H	B.B.H
21.	ASHOK S G	U15NB23S0072	A	A	A	A	A
22.	ASHWINI C G	U15NB23S0080	ACG	ACG	ACG	ACG	ACG
23.	ALMAS L R	U15NB23S0083	Almas	Almas	Almas	Almas	Almas
24.	BIBIMARIYAM J	U15NB23S0085	Bim	Bim	Bim	Bim	Bim
25.	KIRAN B	U15NB23S0085	K	K	K	K	K
26.	MAHMAD RAFEKA P	U15NB23S0091	M.M.P	M.M.P	M.M.P	M.M.P	M.M.P
27.	GANGABAI R	U15NB23S0094	G	G	G	G	G
28.	ABHISHEK A N	U15NB23S0095	ABAN	ABAN	ABAN	ABAN	ABAN
29.	PREMA B	U15NB23S0097	P	P	P	P	P
30.	SHIVANAND A	U15NB23S0099	S	S	S	S	S
31.	YASHASS N H	U15NB23S0104	Y	Y	Y	Y	Y
32.	MUTU S	U15NB23S0108	M	M	M	M	M
33.	LAXMI H	U15NB23S0109	L	L	L	L	L
34.	MAIBUSUBHANI P B	U15NB23S0110	M.P.B	M.P.B	M.P.B	M.P.B	M.P.B
35.	SANTOSH Y T	U15NB23S0111	S	S	S	S	S
36.	SIDDHARTH R R	U15NB23S0113	S	S	S	S	S
37.	YASHODA D C	U15NB23S0114	Y	Y	Y	Y	Y
38.	CHANNAPPA S S	U15NB23S0118	C	C	C	C	C
39.	KAREENA S	U15NB23S0119	K	K	K	K	K
40.	VIRESH S K	U15NB23S0131	V	V	V	V	V
41.	DANAMMA	U15NB23S0132	D	D	D	D	D
42.	SUKANYA T	U15NB23S0133	S.K.T	S.K.T	S.K.T	S.K.T	S.K.T
43.	SUDHA R	U15NB23S0135	S	S	S	S	S
44.	PRASAPPA H	U15NB23S0136	P	P	P	P	P
45.	ASHWINI A P	U15NB23S0139	A	A	A	A	A
46.	KOUSARA B P	U15NB23S0141	K	K	K	K	K



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 9611032604

## DEPARTMENT OF CHEMISTRY

**B.Sc-I Sem-2023-24**

### LIST OF ADVANCED LEARNERS ( $\leq 75$ )

SL.NO.	NAME	PERCENTAGE % OF PREVIOUS EXAM
1	Aishwarya SArrow	69
2	Ashwini Patil	83
3	Shashidhar Diddimani	70
4	Maibusubhani Badiger	75
5	Yashas Hampanal	64
6	Guraraj Devanagav	80
7	Sachin Yaragal	88
8	Muttu Sonnad	81
9	Ashwini Goni	69
10	Laxmi Hunnalli	87
11	Sukanya Talekeri	72
12	Kaveri Pujari	83
13	Ashwini Nagavi	85
14	Laxmi Yatnal	64
15	Preeti Jogur	64
16	Danamma	62
17	Bibimariyan Jamnal	68
18	Siddanna Padanur	85
19	Sangan Kiranagi	80
20	Virupakshappa N B	75
21	Akkamhadevi	70
22	Almas Rajakol	66
23	Abhishek N	79
24	Santosha Talawar	61
25	Kareena Solanki	95
26	Viresh Kumbar	76

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E-mail: [gppprincipal@gmail.com](mailto:gppprincipal@gmail.com) Web: [www.gppvvs.ac.in](http://www.gppvvs.ac.in) Ph: 08488-221244 Mobile : 9611032604

## DEPARTMENT OF CHEMISTRY

B Sc-I Sem: 2023-2024

LIST OF SLOW LEARNERS (Less than 60%)

SL.NO	NAME	PERCENTAGE % OF PREVIOUS EXAM
1	Siddhartha Ratod	52
2	Garish Gadagin	51
3	Ashok Gunari	47
4	Channappa Sangam	41
5	Gagabai Raj put	57
6	Kaveri Karajagi	57
7	Prema Badiger	58
8	Yashoda Chavan	46
9	Bhagyashri Huger	51
10	Chadarakala Patil	54
11	Akshay Pattar	56
12	Poonam Walikar	59
13	Sanjana Mathapathi	60
14	Annapurna SB	55
15	Kiran Budihal	48
16	Shivanand Ambiger	48
17	Sudha Rayappagol	52
18	Parasappa Hosamani	39
19	Kousar Pateda	39
20	Mahamada Rafeek	50

Coordinator

**Principal,**  
 G. P. Porwal Arts, Comm. &  
 V. V. Salimath Sc. College,  
 SINDGI-586128. College Code: 2234

*Sangal*  
 H.O.D.

Dept. of Chemistry,  
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**DEPARTMENT OF CHEMISTRY**

B Sc I Semester 2023-24

**LIST OF ADVANCED LEARNERS (SEMINARS/GROUP DISCUSSIONS)**

SL.NO	NAME	SEMINAR/GROUP DISCUSSION TOPICS	REMARK/OUTCOME
1	Aishwarya Sorrow	ANAMOLOUS ELECTRONIC CONFIGARATION	SATISFACTORY
2	Ashwini Patil	REACTIVE INTERMEDIATES	SATISFACTORY
3	Shashidhar Diddimani	AROMATICITY	SATISFACTORY
4	Maibusubhani Badger	NODAL PLANE	SATISFACTORY
5	Yashas Hampanal	IONIC BOND	GOOD
6	Guraraj Devanagav	QUANTUM NUMBERS	SATISFACTORY
7	Sachin Yaragal	VSEPRPR THEORY	GOOD
8	Muttu Sonnad	DIENES	SATISFACTORY
9	Ashwini Gone	COVALENT BOND	GOOD
10	Laxmi Hunnalli	BOHRS THEORY	SATISFACTORY
11	Sukanya Talekeri	BAYERS STRAIN THEORY	
12	Kaveri Pujari	D&L CONFIGURATIONS	
13	Ashwini Nagavi	FAJANS RULE	
14	Laxmi Yatnal	DE- BROGLI EQUATION	SATISFACTORY
		HYDROGEN ATOM SPECTRA	
15	Preeti Jogur	SYNTHESIS OF WALDEN	
16	Danamma	INVERTION	
17	Bibimariyan Jam	THIN LAYER CHROOMATOGRAPHY	SATISFACTORY
18	Siddanna Padanur	BORN – HABER CYCLE	
19	Virupakshappa N B	NOMENACULCTURE OF IUPAC RULES	
20	Sangan Kiranagi	ALKYNES	
21	Akkamhadevi	HYBRIDIZATION	SATISFACTORY
22	Almas Rajakol	AROMATICITY	
23	Abhishek N	NODAL PLANE	
24	Santosha Talawar	IONIC BOND	
25	Kareena Solanki	QUANTUM NUMBERS	Good
26	Viresh Kumbar	DIENCE	Good

*(Signature)*  
Coordinator

*(Signature)*  
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**DEPARTMENT OF CHEMISTRY**

B Sc I Semester

REMIDIAL CLASSES FOR SLOW LEARNERS

TIME TABLE: 2023-24

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2.00pm- 3.00pm	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry

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*[Signature]*  
 Coordinator I.O.C.

*[Signature]*  
**Principal,**  
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**DEPARTMENT OF CHEMISTRY**

BSc I Semester

ADVANCED LEARNERS

TIME TABLE: 2023-24

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
3.00pm to 4.00pm	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry

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*[Signature]*

*[Signature]*  
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Coordinator IQAC

G P PORWAL ARTS COMMERS V V SALIMATH SCIENCE COLLEGE SINDAGI

DEPARTMENT OF CHEMISTRY

TIME TABLE -2023-24

BSc I/II/III/IV/V/VI/VII

PERIOD NO	TIME	MONDAY T	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
I.	8 AM-8:50 AM	V/VI SEM SSM	V/VI SEM SSM	III/IV SEM SSM	III/IV SEM SSM	I/II SEM SSM	I/II SEM SSM
II.	8:50-9:40 AM				V/VI SEM JSN	V/VI SEM SSM	V/VI SEM SSM
III.	9:40-10:30 AM	III/IV SEM JSN	III/IV SEM JSN	I/II SEM JSN	I/II SEM JSN		
SHORT REST							
IV.	10:40-11:30 AM			III/IV SEM OEC DG	III/IV SEM OEC DG	III/IV SEM OEC DG	V/VI SEM JSN
V.	11:30-12:20PM	III /IV PRACTICAL JSN	III /IV PRACTICAL JSN	III /IV PRSCITICAL SSM	I/II PRACTICAL DG	I/II PRACTICAL SSM	I/II PRACTICAL JSN
VI.	12:20-1:10PM	V/VI SEM PRACTICAL SSM	V/VI SEM PRACTICAL SSM	V/VI SEM PRACTICAL JSN	V/VI SEM PRACTICAL JSN	V/VI SEM PRACTICAL DG	V/VI SEM PRACTICAL DG
VII.	1:10PM-2:00 PM						

*Shangalax*  
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