# CSTS GOVERNMENT KALASALA
# JANGAREDDIGUDEM

## DEPARTMENT OF ZOOLOGY

## BEST PRACTICE
## On

## BLOOD GROUPING

## 2022-23

Best Practice

1.Tittle: Blood grouping

2. **Objective :**

The objective of blood grouping as a best practice is to determine a person's blood type accurately. This information is crucial for various medical procedures, including transfusions, organ transplants, and pregnancy-related care. It helps ensure compatibility between donors and recipients, minimizing the risk of adverse reactions and improving patient safety during medical interventions involving blood. Additionally, blood grouping aids in forensic investigations and can be vital in emergencies when immediate blood transfusion is required. Overall, accurate blood typing is fundamental for providing effective and safe healthcare.

3. Challenges :

**Accuracy and Reliability**: Ensuring that blood typing tests are accurate and reliable is paramount. False results can lead to severe medical complications, so quality control and validation of testing methods are crucial.

**Availability of Reagents and Supplies**: Ensuring a steady supply of reagents and testing supplies, especially in remote or resource-limited areas, can be challenging and requires logistical planning.

**Blood Type Discrepancies**: Occasionally, individuals may have rare or complex blood types that can be challenging to identify. Laboratories must be prepared to handle these situations and consult experts if needed.

4. The Practice

Blood grouping is a fundamental aspect of personal health management and emergency preparedness. By implementing these best practices in degree colleges, students can be educated about the importance of knowing their blood types, which contributes to a safer and more resilient campus community. These practices also foster a culture of voluntary blood donation and responsible healthcare, ultimately benefiting both individual well-being and thegreater society.

5. Evidence of Success

Blood grouping's success is evident in its ability to save lives through safe transfusions, meeting benchmarks for reduced transfusion-related complications. Reviews indicate improved patient outcomes, reduced transfusion reactions, and enhanced compatibility. These results underscore the effectiveness of blood grouping as a best practice in healthcare.

## 6. Problems Encountered and Resources Required

Implementing blood grouping as a practice would require trained personnel, blood typing reagents, testing equipment, and a safe environment. Problems may include inadequate funding, a shortage of skilled technicians, and ensuring the safety and integrity of blood samples.

## 7. Notes :

For successful adoption, institutions should invest in quality training, modern testing equipment, and rigorous quality control measures. Collaboration with blood banks and ongoing education is vital to ensure safe and effective implementation of blood grouping as a best practice.

# MINUTES MEETING

39

13.07.23

Smt. R. Vijaya Deepika, Lec. in Zoology met Principal Dr. N. Prasad Babu garu at his chamber along with IQAC Co-ordinator, Dept. of Botany and Dept. of Horticulture on 13.07.23 at 3PM. The following issues were discussed and resolved.

1.) Online Admission
2.) AKNU Practical & Theory Examinations
3.) 6 months Internship - viva voce
4.) To conduct Blood grouping for the first year students.

Vijay 13/7/23

Sign. of the staff

1.) IQAC Co-ordinator - (M. MADHU)

2.) Dept. of Botany - (T. Jhansi Rani)

3.) Dept. of Horticulture - (Ch. Venkata Lakshmi)

Sign. of the principal

18 CIRCULAR 11-07-23

The department of Zoology is going to Conduct a blood grouping for all the first year students of CSTS Government Kalasala, Jangareddigudem on 15-07-23 at Zoology Lab at 10 AM. I request all the staff members to encourage students for blood grouping and make this programme success.

Vijay 11/7/23

Sign. of the principal

Sign. of Dept. Incharge

Sign. of the staffs.

1) K.V. Lishna (K.V.V. SIRISHA)
2) V Ven (V. VENKATACHARYULU)
3) M.Prad (M. PRADHU)
4) CH Ba. Narayana (Dr. CH. Badani Narayana)
5) J. Raja Srikanth (J. Raja Srikanth)
6) (G. Srinivasa Rao)
7) T. Jhansi (T. Jhansi Rani)
8) Ch. Venkata (Ch. Venkata Lakshmi)
9) Gulab (Dr. G. P. Lal)
10) B. Ashok (B. Ashok)
11) V. Hanumanthu (V. HANUMANTHARAO).

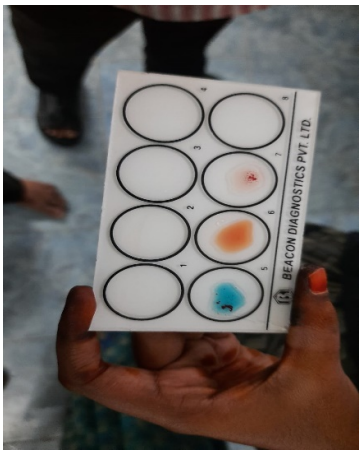
July 15th2023
Jangareddigudem

## Blood Grouping as Best practices

Blood grouping is practiced as one of the best practices in the Department of Zoology in CSTS Government Degree College,Jangareddigudem. Dr.N.prasad Babu, Principal known for his unwavering support for communityservice initiatives, graced the occasion as the esteemed chief guest. His presence added an air of importance and encouragement to the event,inspiring the students to give their best. He emphasized the significance of blood donation and how every contribution could potentially save lives in times of dire need. R.Vijaya Deepika, Lecturer in Zoology and CH.Venkata Lakshmi, Lecturer in Zoology assisted in the blood grouping process, ensuring accuracy and safety. II BZCstudents of CSTS Government Kalasala, Jangareddigudem have done blood grouping to students of CSTS Government Kalasala, Jangareddigudem. As blood groups were determined and recorded, a sense of satisfaction pervaded the atmosphere, knowing that this information would be invaluable in times of emergencies. U.Venkatacharyulu, Lecturer in Chemistry, T.Jhansi Rani, Lecturer in Botany and students participated in the event


Signature of the Dept.Incharge 15/7/23

Signature of the Principal 15/7/23


BEACON DIAGNOSTICS PVT. LTD.

**CSTS GOVERNMENT KALASALA, JANGAREDDIGUDEM**

**DEPARTMENT OF ZOOLOGY**

**BEST PARTICES 2022-23**

**Name of the Best Practices : Blood Grouping**

**Class : II BZC**

**No. of Students Participated : 72**

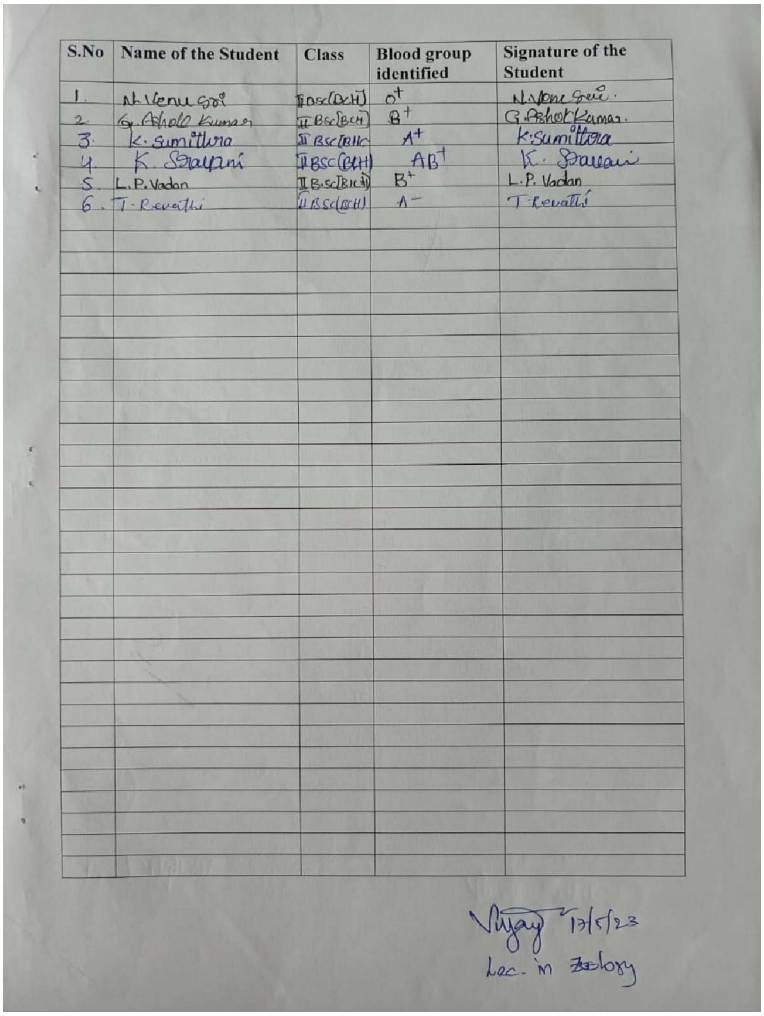
| S.No | Name of the Student | Class | Blood group identified | Signature of the Student |
|---|---|---|---|---|
| 1. | SK. Karishma | II B.Sc BZC | $O^+$ | SK. Karishma |
| 2. | G. Swarupa | " | $A^+$ | G. Swarupa |
| 3. | G. Devi | " | $A^+$ | G. Devi |
| 4. | K. Soubhagya Laxmi | " | $O^+$ | K. Soubhagya |
| 5. | K. Anitha | " | $A^+$ | K. Anitha |
| 6. | B. Jyothika | " | $B^+$ | B. Jyothika |
| 7. | K Laxmi Devi | " | $A^+$ | K. Laxmi Devi |
| 8. | P.V Laxmi | " | $O^+$ | P.V. Laxmi |
| 9. | P. Naveendra | " | $B^+$ | P. Naveendra |
| 10 | K John | " | $O^+$ | K John |
| 11 | K Sumanth kumar | " | $O^+$ | K. Sumanth kumar |
| 12 | S. Satish | " | $O^+$ | |
| 13. | ch. Dasu babu | " | $O^+$ | ch. Dasu babu |
| 14 | B. Saikumar | " | $AB^+$ | B. Sai kumar |
| 15. | M. Surya prakash | " | $O^+$ | M. Suryaprakash |
| 16. | M. Vara Prasad | " | $B^+$ | |
| 17. | B. Charan deepak | BHC | $O^+$ | |
| 18. | P. Praveen | BZC | $O^+$ | P. Praveen |
| 19. | Y. Posubabu | BHC | $B^+$ | Y. Posubabu |
| 20. | K. Jhansi Rani | BHC | $A^+$ | K. |
| 21. | K. Soeja | BHC | $A^+$ | K. |
| 22. | T Nagasandhya | BCH | $B^+$ | T. |
| 23 | K Jyothi | II (BCH) | $B^+$ | |
| 24 | K. Rajeswari | " | $B^+$ | K. Rajeswari |
| 25 | D. Viveka Vardhini | " | $A^+$ | D. Viveka Vardhini |
| 26. | K. Meghana | " | $O^+$ | K. Meghana |
| 27. | I. Mythili | " | $O^+$ | I. mythili |
| 28 | K Akkichitha | " | $B^+$ | K. Akkichitha |
| 29 | B Chamundeswari | II BZC | $B^+$ | B. Chamundeswari |

Sign. of the Lecturer

1) Vinjay 17/5/23

| S.No | Name of the Student | Class | Blood group identified | Signature of the Student |
|---|---|---|---|---|
| 01 | A. Venu | 1st BZC | 'A' positive | A. Venu |
| 02 | B. Nagamani | 1st BZC | 'O' positive | B. Nagamani |
| 03 | B. Dilleswari | 1 BZC | O positive | B. Dilleswari |
| 04 | B. padmaja | 1st BZC | O positive | B. padmaja. |
| 05 | K. vamsi | 1st BCH | 'O' positiv | K. Vamsi |
| 06 | ch. Glory | 1BZC | O positive | ch. Glory. |
| 07 | Ch. Poimala | 1BZC | AB' positive | ch. Poimala |
| 08 | D. Nehan | 1BZC | 'O' positive | D. Nehan |
| 09 | D. Nagamani | 1BZC | O positive | D. Nagamani |
| 10 | B. GANGADHDY | 1 BZC | B, positive | B. Gangadhar |
| 11 | G.L. Annapurna | 1BZC | O Positive. | G.L. Annapurna. |
| 12 | G. Bhavani | 1st BZC | B positive | G. Bhavani |
| 13 | G. Anusha | 1BZC | A positive | G. Anusha |
| 14 | Ch. venkateshwarlu | 1 BZC | 'B' positive | Ch. Venkateshwarlu |
| 15 | kalagara Jayasri | 1BZC | O positive | K. Jayasri |
| 16 | Kanithi Ramya | 1BZC | B positive | K. Ramya. |
| 17 | Y. Rambabu | 1BZC | A positive | Y. Rambabu |
| 18 | K. Mounika | 1 B.ZC | B Positive | K. Mounika |
| 19 | T. praveen | 1 BCH | A' positive | T. Praveen |
| 20 | K. Shashi priya | 1st BZC | B' positive | K. Shashi priya. |
| 21 | K. Anvesh | 1st BZC | 'A' positive | K. Anvesh |
| 22 | K. Hema | 1st BZC | 'O' positive | K. Hema |
| 23 | T. Gangabhavani | 1st BZC | 'A' positive | T. Gangabhavani |
| 24 | K. Sai Shirisha | 1st BZC | AB' positive | K. Sai Shirisha |
| 25 | M. udaya bhanu | 1st BZC | AB positive | Moudeya bhanu |
| 26 | M. Durga Devi | 1st BZC | 'A' positive | M. Durga Devi |
| 27 | Y. Sivaji | 1st BZC | 'O' positive | Y. Sivaji |
| 28 | M. Sruthi | 1st BZC | 'B' postive | M. Sruthi |
| 29 | N. Vasu | 1st BZC | 'O' Positive | N. Vasu |
| 30 | S. Naresh | 1st BZC | 'O' positive | S. Naresh |
| 31 | P. Sruthi | 1st BZC | 'A' Positive | P. Sruthi |
| 32 | P. Gangabathi | 1st BZC | A positive | P. Gangabathi. |
| 33 | P. Soumya | 1.B.Z.C | 'A' Positive | P. Soumya. |
| 34 | P. Venu | 1st BZC | 'O' Positive | P. Venu |
| 35 | R. omkara Bharathi | 1BZC | A positive | R.O. Bharathi. |
| 36 | T. Prathibha Sampoorna | 1BZC | B Positive | T. Prathibha Sampoorna |
| 37 | K. sasi kiran | 1BCH | A positive | K. sasikiran. |

17/5/23
Lec. in zoology



| S.No | Name of the Student | Class | Blood group identified | Signature of the Student |
|---|---|---|---|---|
| 1. | M. Venu Gopi | [illegible] | O+ | M. Venu Gopi. |
| 2. | G. Ashok Kumar | II BSc[BZC] | B+ | G. Ashok Kumar. |
| 3. | K. Sumithra | II BSc[BZC] | A+ | K. Sumithra |
| 4. | K. Soujani | II BSc(BZC) | AB+ | K. Soujani |
| 5. | L. P. Vadan | II B.Sc[BZC] | B+ | L. P. Vadan |
| 6. | T. Revathi | II BSc(BZC) | A− | T. Revathi |

Vijay 17/5/23
Lec. in Zoology

RESULT : $A^{+VE}$ - 20 Students

$A^{-VE}$ - 01 Students

$B^{+VE}$ - 19 Students

$B^{-VE}$ - 00 Students

$AB^{+VE}$ - 05 Students

$AB^{-VE}$ - 00 Students

$O^{+VE}$ -27 Students

$O^{-VE}$ -00 Students

Conclusion : From the above analysis the maximum students contains $O^{+VE}$ blood grouping .