# C.S.T.S GOVERNMENT KALASALA, JANGAREDDIGUDEM ELURU DISTRICT



## **DEPARTMENT OF ZOOLOGY**

**Best practice** 

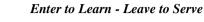
**Blood Grouping** 

ON

22-08-2022

NAAC : C (II Cycle)

## CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS) GOVT. KALASALA



## Jangareddigudem, Eluru Dist

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#### **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.

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Enter to Learn - Leave to Serve

### Jangareddigudem, Eluru Dist

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### Blood grouping

22-08-22

As a part of Best Practice, the department of Zoology gave training and encouraged the II BZC students to do blood grouping to B.Sc. students of CSTS Govt. Kalasala, Jangareddigudem. The students done blood grouping to nearly 30 students. This programme is conducted under supervision of Smt.R. Vijayadeepika, Lec.in Zoology& CH. Venkata Lakshmi, Lecturer in Zoology, with the permission of Principal Dr.N. Prasad Babu, CSTS Government kalasala, jangareddigudem.











5-100	Name of the Aludants	Blood grav	agu of stidents
1	M. Pavani	A+	M. Pavani
_	P. Anusha,	A <sup>+</sup>	P. Anusha
3	H. Rana lakelini	A+	H. Raule Ah
_	di- Nandini	Agt	ch. Nandine
	G Raming Reddy	At	G. Ramers Kedly
6	V. Navya	B.+	v. Navya
w	ch sasikala	B <sup>†</sup>	ch. sasilo ola
8.	G. elemas	AB"	uma
9.	Sonali	B-	sonali
	Tpralouth	0+	T. Prajauth
	M. Sundeep	A+	Holandayp.
			0.

gshok Kumagr	0+	on. Ashot tumas
Hari Kreeshna	AB	m. Harikrushne
Sravani	AB	K. Svavani
Unia	AB+	9 2lic
nali	-A-	Soual!
Mani	B <sup>+</sup>	S. Mani

## Conclusion:

Blood grouping as a Best Practice is a good practice and students has learned very well and found highest AB group people