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Practical Record Book of Dravyaguna

for BAMS Students

As per New NCISM Syllabus

Name of the Candidate: _____

Name of the Institution: _____

_____

Swati Goyal

JAYPEE

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PRACTICAL-1

DATE _____

1.1 Name of the Practical – Assessment and Understanding the Relation between *Parthivatwa* and Subjective/Objective Parametric Tests

Dravyas to be used

Drugs	***Asthishrinkhala***	***Sariva***	***Vidari***	***Maricha***	***Shatavari***	***Jambu***	***Godhuma***	***Ushira***
Botanical name								
Part used								

a. Name of the Test – Bulk Density

Principle: Bulk density is more in *Parthiva Dravyas* as compared to other *Mahabhutas*

Aim and Objective

Materials

Method/Procedure

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Observations/Calculations

Formula: BD = Wt of sample/Volume g/cc

Inference

Conclusion

Remark

Signatures

Student name and signature:	Teacher signature:

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b. Name of the Test – Specific Gravity (Solid)

Principle: Specific gravity is more in *Parthiva Dravyas* as compared to other *Mahabhutas*

Aim and Objective

Materials

Method/Procedure

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Observations/Calculations

S. no.	Observation Number	1	2	3
1.	Weight of density bottle (W1 g)			
2.	Weight of density bottle + dry drug (W2 g)			
3.	Weight of bottle + dry drug + water at temperature T × ^{0}C (W3 g)			
4.	Weight of bottle + water (W4 g) at temperature T × ^{0}C			
	Specific gravity G at T × ^{0}C			
	Average specific gravity at T × ^{0}C			

Calculations: Specific gravity of solid drug = Density of water at 27 °C/Weight of water of equal volume = (W2–W1)/(W4–W1) – (W3–W2)
= (W2–W1)/(W2–W1) – (W3–W4)

Inference

Conclusion

Remark

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Signatures

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Results

Particular	*Asthishrinkhala*	*Sariva*	*Vidari*	*Maricha*	*Shatavari*	*Jambu*	*Godhuma*	*Ushira*
Density (bulk)								
Specific gravity solid								

Conclusion

Signatures

Student name and signature:	Teacher signature:

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PRACTICAL-1

DATE _____

1.2 Name of the Practical – Assessment and Understanding the Relation between *Jaliyatwa* and Subjective/Objective Parametric Tests

Dravyas to be used

Drugs	***Kumari***	***Vidari***	***Sariva***	***Shunthi***	***Ikshu***	***Usheera***	***Kamala***	***Apamarga***
Botanical name								
Part used								

a. Name of the Test – Viscosity

Principle: Viscosity and *Jaliyatwa* is inversely proportional

Aim and Objective

Materials

Method/Procedure

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Observations/Calculations

Time required for standard to falling down E to F– C Time required for sample to falling down E to F – t
Calculations: Kinematic viscosity = V = 1/C*t

Inference

Conclusion

Remark

Signatures

Student name and signature:	Teacher signature:

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b. Name of the Test Specific Gravity (Liquid)

Principle: As specific gravity increases *Jaliyatwa* decreases

Aim and Objective

Materials

Method/Procedure

Observations/Calculations

S. no.	Observation Number	
1.	Weight of density bottle (W1 g)	
2.	Weight of density bottle + water (W2 g)	
3.	Weight of bottle + sample at same temperature (W3 g)	
	W3–W1/W2–W1	
	Average specific gravity at T × ^{0}C	

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Inference

Conclusion

Remark

Signatures

Student name and signature:	Teacher signature:

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c. Name of the Test – Moisture Content

Principle: As moisture content increases *Jaliyatwa* increases

Aim and Objective

Materials

Method/Procedure

Observations/Calculations

1. Weight of empty evaporating dish – A
2. Weight of evaporating dish with sample – B
3. Weight of evaporating dish with sample after heating – C
4. Weight of evaporating dish with sample after heating – C1

This process should be repeated till two consecutive weights will be equal

Calculations: Kinematic viscosity

$$\frac{B\text{-}C_1}{B\text{-}A} \times 100$$

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Inference

Conclusion

Remark

Signatures

Student name and signature:	Teacher signature:

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Results

Particular	*Kumari*	*Vidari*	*Sariva*	*Shunthi*	*Ikshu*	*Usheera*	*Kamala*	*Apamarga*
Viscosity								
Specific gravity								
Moisture content								

Conclusion

Signatures

Student name and signature:	Teacher signature:

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PRACTICAL-1

DATE _____

1.3 Name of the Practical – Assessment and Understanding the Relation between *Aagneyatwa* and Subjective/Objective Parametric Tests

Dravyas to be used

Drugs	***Shunthi***	***Shatavari***	***Maricha***	***Dhataki***	***Chitraka***	***Gokhura***	***Hingu***	***Chandana***
Botanical name								
Part used								

a. Name of the Test – pH

Principle: Extreme acidity and alkalinity showing more *Aagneyatwa*

Aim and Objective

Materials

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Method/Procedure

Observations/Calculations

Inference

Conclusion

Remark

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Practical Record Book of Dravyaguna for BAMS Students

Salient Features

- Follows NCISM competency-based curriculum
- Includes herbarium preparation (minimum required specimens)
- Covers macroscopic and microscopic study of drugs
- Emphasizes identification of crude drugs
- Includes pharmacognosy experiments (basic tests)
- Provides format for Rasa, Guna, Virya, Vipaka, Karma documentation
- Includes field visit and drug collection record
- Focus on practical learning and skill development
- Encourages observation-based study (organoleptic characters)
- Includes diagrams and labeling for microscopic study
- Covers adulteration and substitution of drugs
- Helps in clinical application of dravyaguna knowledge
- Evaluation based on completeness, neatness, and understanding

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