## DEPARTMENT OF COMMUNITY MEDICINE



## ASSESSMENT OF KNOWLEDGE AND ATTITUDE TOWARDS CAFFEINE INTAKE AMONG ANMC MEDICAL STUDENTS



Submitted by Group H2

RUHMA SADIA F16-141
JAWERIA ASHRAF F16-149
SHAHRUKH ADIL F16-150
FATIMA ASHFAQ F15-100
ROBASS NIAZI F15-047
SAUD ARSHAD F14-020
KASHIF MAZHAR F13-163

Supervised by
Prof Dr.Shahid Mahmood
(Prof. \& Head of Department Community Medicine)
Co-supervised by
Dr.Amna Sahar
Session (2019-2020)

## DECLARATION

We declare that this report has been composed by our group and it has not been submitted, in whole or in part,in any previous application for a degree.Except where states otherwise by reference or acknowledgment,the work presented is entirely our own.

RUHMA SADIA F16-141
JAWERIA ASHRAF F16-149
SHAHRUKH ADIL F16-150
FATIMA ASHFAQ F15-100
ROBASS NIAZI F15-047
SAUD ARSHAD F14-020
KASHIF MAZHAR F13-163

## Supervisor :

Dr.Amna Sahar.

## DEDICATION

I dedicate this project to God Almighty my Creator,my strong pillar,my source of inspiration,wisdom,knowledge and understanding. He has been the source of my strength throughout this program and on His wings have I soared.

This research is dedicated to my father, who taught me that the best kind of knowledge to have is that which is learned for its own sake. It is also dedicated to my mother, who taught me that even the largest task can be accomplished if it is done one step at a time and friends, who have provided us with constant motivation and unwavering support throughout this entire journey and encouraged us at every turn.

## ACKNOWLEDGEMENTS

For the sake of Allah(SWT),the Most Merciful and Beneficent.All gestures of recognition to Allah and His endowments for the culmination of this work.He offered us with the learning,capacity and chance to attempt this exploration work and to achieve our objectives attractively.Without His gifts,this accomplishment would not have been conceivable.

Our humblest appreciation to the Holy Prophet Muhammad(P.B.U.H) whose lifestyle is a persistent direction just as a wellspring of motivation and boldness for us.

We offer our most profound appreciation to Dr.Amna Sahar,for her important knowledge,direction, and mentorship through the procedure of our examination,just as furnishing us with the fundamental offices to complete our work.Her positive consolation and patient methodology helped us monstrously through this procedure.

An uncommon gratitude to our family,companions and associates for their inspiration, petitions and consolations.


#### Abstract

Caffeine consumption has lately become a trend among students nowadays, in all of its form including tea,coffee,chocolate and energy drinks. Where consumers do not know much about its pros and cones.The research's sample is collected through stratified non convince sampling. The conclusion of this research holds to be that caffeine consumption among students is increasing with inappropriate attitude and knowledge and purpose behind usage ranges from pleasure of caffeinated product to attempts to combat fatigue and stress.


## LIST OF CONTENTS

| Sr.No. | TABLE OF CONTENTS | Page No. |
| :---: | :---: | :---: |
| 1. | Title page |  |
| 2. | Declaration |  |
| 3. | Dedication |  |
| 4. | Abstract |  |
| 5. | Acknowledgement |  |
| 6. | List of contents |  |
| 7. | List of chapters |  |
| 9. | List of tables |  |
| 9. |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## LIST OF CHAPTERS

| Sr.No. | CHAPTERS | Page No. |
| :---: | :---: | :---: |
| 1. | INTRODUCTION |  |
| 2. | AIMS AND OBJECTIVES |  |
| 3. | LITERATURE REVIEW |  |
| 4. | MATERIALS AND METHODOLOGY |  |
| 5. | RESULTS AND ANALYSIS |  |
| 6. | DISCUSSION |  |
| 7. | CONCLUSION |  |
| 8. | RECOMMENDATIONS |  |
| 9. | REFERENCES |  |
| 10. | ANNEXURE |  |

## LIST OF TABLES

| Table No. | TOPIC | Page No. |
| :---: | :---: | :---: |
| 1. | Gender distribution |  |
| 2. | Age distribution |  |
| 3. | Program distribution |  |
| 4. | Residency distribution |  |
| 5. | Consumption distribution |  |
| 6. | Knowledge distribution |  |
| 7. | Amount of consumption distribution |  |
| 8. | Time during consumption distribution |  |
| 9. | Most consumed product |  |
| 10. | 24 hour distribution |  |
| 11. | Dependence distribution |  |
| 12. | Reason of consumption distribution |  |
| 13. | Mental satisfaction distribution |  |
| 14. | Effect of consumption distribution |  |
| 15. | Knowledge about effects distribution. |  |

## LIST OF CROSS TABS

| Table No. | TITLE | Page No. |
| :---: | :---: | :---: |
|  | Gender* what caffeinated product is consumed by respondent the most. |  |
|  | Gender*time of consumption of caffeine by respondent. |  |
|  | Gender*reason of consumption of caffeine by respondent. |  |
|  | Program*time of consumption of caffeine. |  |
|  | Program*how long respondent can last without caffeine. |  |
|  | Program*mental satisfaction of caffeine by respondent. |  |
|  | Residency*type of caffeinated product consumed |  |
|  | Residency*amount of consumption of caffeine |  |
|  | Residency*could you go 24 hrs without caffeine |  |
|  | Residency*reason of consumption of caffeine. |  |

List of abbreviations

# ASSESSMENT OF KNOWLEDGE AND ATTITUDE TOWARDS CAFFEINE INTAKE AND ITS EFFECTS ON MENTAL SATISFACTION AMONG THE STUDENTS OF ANMC 

## INTRODUCTION

Caffeine, world's most widely consumed psychoactive substance by both adults and children, which is legal, easy to obtain and socially acceptable to consume. Caffeine is a central nervous system stimulant of methyl xanthene alkaloid class, naturally occurring in coffee beans, tea leaves, cola nuts, yerba-mate leaves, cocoa beans and guarana seeds.Apart from water, tea and coffee has become world's popular beverages in most of the individual's life as a daily routine. Consumption of energy drinks and soft drinks has become popular practice worldwide, especially among younger populations.

An extract from cola nuts and synthetic caffeine are used in many cola drinks and energy drinks. The psychoactive properties of caffeine have released extensive research that demonstrates that caffeine can have both positive and negative health effects on individuals.

Modest intake of caffeine that is $200-300 \mathrm{mg}$ per day are beneficial to health. A safe level of daily caffeine intake is regarded as one not exceeding 400 mg per day. Excessive daily intake above 400 mg may however cause agitation, sleep disturbances, anxiety, irritability, nervousness. A regular, long term and excessive intake may lead to an addiction and adverse health consequences.

Caffeine, like sugar, may activate the dopaminergic reward system and thence lead to addiction. The adverse health effects of caffeine are even more apparent in sensitive populations, namely children and adolescents.During childhood and adolescence, the brain undergoes intensive development, especially those centers responsible for performance, planning and emotional control, where frequent caffeine consumption by these groups may have adverse health impacts. Additionally, energy drinks can contain ingredients such as guarana, taurine, inositol, group B
vitamins, glucuronolactone and others which enhance the action of caffeine.

The extensive advertising of these drinks and their accessibility in grocery stores, convenience stores and supermarkets has made them both acceptable and readily available for all age groups in a population.

It was reported that energy drinks are available to buy in more than 140 countries, and half of the consumers of these drinks consisted of children, adolescents and young adults. Assessing the current caffeine intake from all sources therefore is crucial to estimate the contribution of new caffeinated foods and beverages to the total caffeine intake and to identify the potential of single categories of caffeine sources in our diet for a reduction of total caffeine consumption, if this is required from a public health point of view.

To determine whether overall caffeine intake indeed is increasing, or whether new caffeine sources are substituting the more traditional sources, standardized studies on consumption of all caffeine containing foods and beverages are required. Summarizing the available data, this review therefore provides an overview of the current status of caffeine intake on ANMC students from all sources.

## LITERATURE REVIEW

Therapeutic studies revealed that coffee is among the most widespread and healthiest beverages in the world. It is known to be highly rich source of biologically active natural metabolites which possess therapeutic effects (caffeine) and functional properties ( chlorogenic acid ) , three glasses of coffee may diminish the chance of liver cancer by $50 \%$, whereas another ponder propose that drinking four glasses a day might split the chance of mouth and throat cancer. Based on data reviewed, it is concluded that for the healthy adult population, moderate daily caffeine intake at a dose level up to 400 mg day ( -1 ) (equivalent to $6 \mathrm{mg} \mathrm{kg}(-1)$ body weight day $(-1)$ in a 65 kg person is not associated with adverse effect like toxicity, CVS effects, change in adult behavior, increased incidence of cancer and effect on male fertility.

Caffeine in any form was consumed by $92 \%$ of students in the past year. Mean daily consumption for all students, including non-consumer, was $159 \mathrm{mg} / \mathrm{d}$ with a mean intake of $173 \mathrm{mg} / \mathrm{d}$ among caffeine users. Coffee was the main source of caffeine intake in male ( $120 \mathrm{mg} / \mathrm{dL}$ ) and female ( $111 \mathrm{mg} / \mathrm{dl}$ ) consumers. Male and female students consumed $30 \mathrm{mg} / \mathrm{dL}$ of caffeine in energy drinks and $28 \%$ consumed energy drinks with alcohol on at least one occasion. Students provide multiple reasons for caffeine use including feeling awake 79\%, enjoying the taste 68\%, social aspects of consumption $39 \%$, improving mood $18 \%$ and alleviating
stress 9\%.
Quantification of U.S college students warrants additional investigation. National survey such as the Kantar world panel and NHANES has suggested use of energy drinks by college students could contribute to a number of adverse outcomes. A study shows that consumption of caffeine tends to increase as the years in the education system pass by. Undergraduate students ( $\mathrm{N}=691$ ) were given the 1992 caffeine utilization survey of Landrum. A subset ( $\mathrm{n}=168$ ) of those completing the survey were too given the Morning-Evening survey of Horne and Ostberg.
In the USA, Mitchell et al. examined caffeine consumption, data were collected using a 7 -days beverage diary and it compromises approximately $98 \%$ of daily caffeine.

In Europe, the EFSA scientific opinion on the safety of caffeine combined data from 39 European surveys, it includes 66,531 participants. Combined data were presented for toddlers ( $12<36$ months, $\mathrm{N}=4,103$ ) , other children ( $3<10$ years old , $\mathrm{N}=8,755$ ), adolescents ( $10<18$ years old , $\mathrm{N}=8,709$ ).

In Pakistan 2019, pilot study was conducted on 10 students before data collection. 185 university students ( 133 females and 52 males) and result was $66.5 \%$ consume caffeinated products on daily basics. Investigation demonstrated that normal consumption of caffeine was generally $1,600 \mathrm{mg}$.

## OBJECTIVES

1-To assess the knowledge and information about the caffeine in medical students.

2-To assess about the knowledge of its harmful effects on body and different organs.

3-Comparison of the knowledge and information about caffeine in male and female medical students.

## MATERIALS AND METHODOLOGY

## STUDY DESIGN:

Cross-sectional

## STUDY TYPE:

Descriptive study

## SETTING:

Azra Naheed Medical College, Lahore

## DURATION OF STUDY:

2 months (18-04-2020 to 18-06-2020)

## SAMPLE SIZE:

200 students

## SAMPLING TECHNIQUE:

Stratified random sampling (1/3rd of male students in every 20 female students. From: Medical field

## INCLUSION CRITERIA:

All willing registered students of ANMC can
Participate

## EXCLUSION CRITERIA:

Non registered or non willing students

## DATA COLLECTION TOOL:

Structured close ended questionnaire

## DATA COLLECTION PROCEDURE:

Students were given questionnaires to fill, in relaxed and uninterrupted environment and with their consent. Study purpose and confidentiality was explained to them before distribution of the questionnaire.

## DATA ANALYSIS PROCEDURE:

IBM SPSS Statistics 20

## ETHICAL CONSIDERATION:

This procedure will be conducted on the basis of informed consent taken from the students.

## Frequencies

Table No:1 Frequency of distribution of caffeine consumption by respondents

|  | Frequency | Percent | Valid percent | Cumulative <br> percent |
| :--- | :--- | :--- | :--- | :--- |
| Male | 57 | 72.5 | 72.5 | 28.5 |
| Female | 150 | 27.5 | 27.5 | 75 |
| Total | 207 | 100 | 100 |  |



■ females ■ males

Table No 2 : Frequency of distribution of caffeine consumption by respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| $15-20 \mathrm{yr}$ | 65 | 31.4 |  |  |
| $21-25 \mathrm{yr}$ | 130 | 62.8 |  |  |
| $26-30 \mathrm{yr}$ | 12 | 5.8 |  |  |
| Total | 207 | 100 |  |  |



Table no 3 : Frequency of distribution of caffeine consumption by respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| MBBS | 56 | 27.4 |  |  |
| DPT | 85 | 41.7 |  |  |
| Any other <br> speciality | 60 | 30.9 |  |  |
| Total | 207 | 100 |  |  |

Which courses your studying in ?

$\square$ MBBS $\quad$ DPT $\quad$ Any other $\square$

Table No 4 : Frequency of distribution of caffeine consumption by respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Hostelite | 82 | 39.8 |  |  |
| Day scholar | 124 | 60.2 |  |  |
| Total | 207 | 100 |  |  |
|  |  |  |  |  |

What is your residential status?


Hostelite ■ Day scholar

Table No5 : Frequency of distribution of caffeine consumption by respondents.

|  | Frequency | Percent | Valid <br> Percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Yes | 98 | 47.3 |  |  |
| No | 45 | 21.7 |  |  |
| Maybe | 64 | 30.9 |  |  |
| Total | 207 | 100 |  |  |
|  |  |  |  |  |

Do you read ingredients \& nutritional information present on drinks label ?


■ Yes ■ No ■ Maybe ■

Table no6 :Frequency of distribution of knowledge of caffeine consumption among respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Yes | 147 | 71.7 |  |  |
| No | 33 | 16.1 |  |  |
| I don't <br> know | 25 | 12.2 |  |  |
| Total | 207 | 100 |  |  |

Do you drink beverages that contain caffeine?


■ Yes $\quad$ No ■ Maybe ■

Table No7:Frequency of distribution of knowledge of caffeine consumption among respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| $<1$ | 46 | 22.3 |  |  |
| $1-2$ | 73 | 35.4 |  |  |
| $2-4$ | 28 | 13.6 |  |  |
| $>4$ | 20 | 9.7 |  |  |
| None | 39 | 18.9 |  |  |
| Total | 207 | 100 |  |  |
|  |  |  |  |  |

Think about last week \& check how many cups or cans of caffeinated drinks did you consume on an average per day?


■ <1 cup ■ 1-2cups ■ 2-4 cups ■ >4

Table No8: Frequency of distribution of attitude towards caffeine consumption by respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Morning | 70 | 34.8 |  |  |
| Afternoon | 22 | 10.9 |  |  |
| Evening | 57 | 28.4 |  |  |
| Night | 52 | 25.9 |  |  |
| Total | 207 | 100 |  |  |



Table No9: Frequency of distribution of attitude towards caffeine consumption among respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Tea | 129 | 62.6 |  |  |
| Coffee | 35 | 17 |  |  |
| Chocolate | 16 | 7.8 |  |  |
| Energy <br> drink | 26 | 12.6 |  |  |
| Total | 207 | 100 |  |  |

Which caffeinated product do you intake most ?


- Tea ■ Coffee ■ Chocolate ■ Energy drink

Table No10: Frequency of distribution of attitude towards caffeine consumption among respondents.

|  | Frequency | Percent(\%) | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Yes | 122 | 58.9 |  |  |
| No | 55 | 26.6 |  |  |
| Maybe | 30 | 14.5 |  |  |
| Total | 207 | 100 |  |  |

Could you go 24 hours without caffeine?


Table No11: Frequency of distribution of attitude towards caffeine consumption among respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Lowest | 74 | 34.1 |  |  |
| Mild | 36 | 17.6 |  |  |
| Moderate | 76 | 37.1 |  |  |
| High | 13 | 6.3 |  |  |
| Severe | 6 | 2.9 |  |  |
| Total | 207 | 100 |  |  |



Table No12 :Frequency of distribution of attitude towards caffeine consumption among respondents.

|  | Frequency | Percent(\%) | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Increase <br> concentration | 29 | 14.2 |  |  |
| Enjoying <br> drink | 79 | 38.7 |  |  |
| Reduce sleep | 32 | 15.7 |  |  |
| Driving | 3 | 1.5 |  |  |
| Reduce <br> fatigue | 61 | 29.9 |  |  |
| Total | 207 | 100 |  |  |
|  |  |  |  |  |



Table No13:Frequency of distribution of attitude towards caffeine consumption among respondents.

|  | Frequency | Percent(\%) | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Yes | 92 | 44.7 |  |  |
| No | 114 | 55.3 |  |  |
| Total | 207 | 100 |  |  |

Do you drink caffeine for mental satisfaction ?


- Yes - No

Table No14:Frequency of distribution of effect of caffeine consumptionon mental alertness by respondents.

|  | Frequency | Percent | Valid <br> percent | Cumulative <br> percent |
| :---: | :---: | :---: | :---: | :---: |
| Most of the <br> time | 62 | 30.2 |  |  |
| Always | 29 | 14.1 |  |  |
| Sometimes | 95 | 46.3 |  |  |
| Never | 19 | 9.3 |  |  |
| Total | 207 | 100 |  |  |
|  |  |  |  |  |



Table No 15 : Frequency of distribution of knowledge about caffeine consumption among respondents.

|  | Frequency | Percent(\%) | Valid <br> percent | Cumulative <br> percent |
| :--- | :--- | :--- | :--- | :--- |
| Yes | 137 | 66.2 |  |  |
| No | 36 | 17.4 |  |  |
| Maybe | 34 | 16.4 |  |  |
| Total | 208 | 100 |  |  |

Are you aware of the effects of caffeine consumption on your health?


## Cross tabs

Table No1:Frequency distribution of gender and which caffeinated product do you intake most?

|  | Which caffeinated product do you <br> intake most ? |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Your gender <br> is | Chocolate | Coffee | Energy <br> drink | Tea | Grand <br> Total |
| Female. | 11 | 20 | 16 | 101 | 148 |
| Male | 5 | 15 | 10 | 26 | 56 |
| Grand <br> Total | $\mathbf{1 6}$ | $\mathbf{3 5}$ | $\mathbf{2 6}$ | $\mathbf{1 2 7}$ | $\mathbf{2 0 4}$ |

## RESULTS

## Cross tabs

Table No1:Frequency distribution of gender and which caffeinated product do you intake most?

Which caffeinated product do you intake most?

| Your <br> gender is | Chocolate | Coffee | Energy <br> drink | Tea | Grand <br> Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Female. | 11 | 20 | 16 | 101 | 148 |
| Male | 5 | 15 | 10 | 26 | 59 |
| Grand <br> Total | $\mathbf{1 6}$ |  |  |  |  |

TableNo2:Frequency of distribution of gender with consumption of caffeine by respondent.

| Count of time | time |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Your gender is | Afternoon | Evening | Morning | Night | Grand Total |
| Female. | 14 | 37 | 54 | 40 | 145 |
| Male | 7 | 18 | 16 | 13 | 54 |
| Grand Total | 21 | 55 | 70 | 53 | 199 |

Table No3:Frequency of distribution of gender and why caffeinated product is taken by respondent.

| Count of Why do you intake caffeine ? | Your gender is |  |  |
| :---: | :---: | :---: | :---: |
| Why do you intake caffeine ? | Female. | Male | Grand Total |
| Driving | 2 | 1 | 3 |
| Enjoying drink | 55 | 23 | 78 |
| Increase concentration | 18 | 11 | 29 |
| Reduce sleep | 25 | 8 | 33 |
| Reduced fatigue | 48 | 13 | 61 |
| Grand Total | 148 | 56 | 204 |

Table No4 :Frequency distribution of program and time of consumption of caffeine product by respondent.

| Which courses your studying <br> in ? |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  <br> Afternoon Evening Morning Night | Grand <br> Total |  |  |  |  |
| Any other speciality | 11 | 13 | 22 | 16 | 62 |
| DPT | 5 | 25 | 31 | 21 | 82 |
| MBBS | 5 | 15 | 16 | 16 | 52 |
| MIT | 0 | 1 | 0 | 0 | 1 |
| Grand Total | $\mathbf{2 1}$ | $\mathbf{5 5}$ | $\mathbf{7 0}$ | $\mathbf{5 3}$ | $\mathbf{1 9 9}$ |

TableNo5:Frequency distribution of program with how long respondent can last without caffeine.

| Which courses your studying in ? | Maybe | No | Yes | Grand Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Any other speciality | 10 | 18 | 35 | 63 |
| DPT | 12 | 21 | 52 | 85 |
| MBBS | 6 | 16 | 32 | 54 |
| MIT | 1 | 0 | 0 | 1 |
| Grand Total | $\mathbf{2 9}$ | $\mathbf{5 5}$ | $\mathbf{1 2 1}$ | $\mathbf{2 0 5}$ |

Table No6:Frequency distribution of program with mental satisfaction of caffeine by respondent.

| Which courses your studying in ? | No |  | Yes |
| :---: | :---: | :---: | :---: |
| Any other speciality | 29 | 33 | 62 |
| DPT | 41 | 44 | 85 |
| MBBS | 20 | 34 | 54 |
| MIT | 0 | 1 | 1 |
| Grand Total | $\mathbf{9 1}$ | $\mathbf{1 1 3}$ | $\mathbf{2 0 4}$ |

TableNo7:Frequency distribution of residency with dependence on caffeine by respondent.


TableNo8:Frequency distribution of residency with dependence of caffeine by respondent.

|  | Think about last week and check how many cups or cans <br> of caffeinated drinks did you consume on an average per <br> day ? |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| What is your residential status? | $<1$ | $>4$ | $1-2$ | $2-4$ | None | Grand Total |  |
| Day scholar |  | 30 | 14 | 41 | 16 | 23 | 124 |
| Hostelite | 16 | 7 | 31 | 12 | 13 |  |  |
| Grand Total | $\mathbf{4 6}$ | $\mathbf{2 1}$ | $\mathbf{7 2}$ | $\mathbf{2 8}$ | $\mathbf{3 7}$ | $\mathbf{2 0 4}$ |  |

TableNo9:Frequency distribution of residency with how long they can go without caffeine by respondent.


TableNo10:Frequency distribution of residency with why do respondents intake caffeine.

| Why do you intake <br> caffeine ? |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| What is your <br> residential <br> status? |  |  |  |  |  |  |
| Day scholar | 3 | 46 |  |  |  |  |
| Hostelite |  | 31 | 8 | 16 | 35 | 121 |
| Grand Total | $\mathbf{3}$ | $\mathbf{7 7}$ | $\mathbf{2 9}$ | $\mathbf{3 2}$ | $\mathbf{6 1}$ | $\mathbf{2 0 2}$ |

