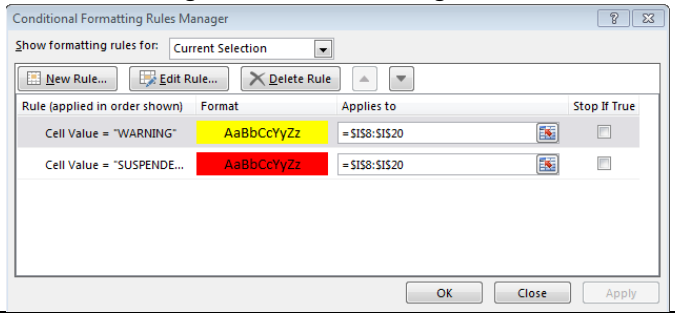
# 2018 PRELIM COMPUTING P2

**NAME:**

**CLASS:** **INDEX NO:**

| Qn | ANSWER: |
|---|---|
| **Task 1** | |
| 1 | =TODAY() |
| | |
| 2 | =YEAR($B$3)-MID(B8,2,4) |
| | |
| 3 | =VLOOKUP(D8,$B$27:$D$30,2,FALSE)+E8 |
| | |
| 4 | =IF(G8-F8>0,G8-F8,0) |
| | |
| 5 | =IF(H8>60,"SUSPENDED",IF(H8>30,"WARNING","OK")) |
| | |
| 6 | Use the following conditional formatting :<br>  |
| | |
| **Task 2** | |
| 7a | `lowest_rainfall = 99999`<br><br>`if rainfall < lowest_rainfall:`<br>`  lowest_rainfall = rainfal` |
| 7b | `total_rainfall=0`<br>`total_rainfall += rainfall`<br>`print("Average rainfall for the week is ",`<br>`round(total_rainfall/num_days,2))` |
| 7c | `while True:`<br>`  input_str = input("Enter rainfall recorded in mm: ")`<br>`  if input_str.isnumeric()and int(input_str)>=0:`<br>`  break` |
| | |
| 8 | **`num_days = int(input("Enter number of days: "))`**<br><br>**`for day in range(num_days):`** |
| | |

| **Task 3** | |
|---|---|
| 9 | `weight=float(0)`<br>`height=float(0)`<br>`bmi=float(0)`<br>`accepted=0`<br>`rejected=10`<br><br>`weight=float(input("Enter weight in kg: ")` |

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```
height=float(input("Enter height in m: "))

while not weight=0 and not height=0:
    bmi= round(weight/(height * height),1)
    print("bmi=",bmi)
    if bmi >= 18.5 or bmi < 22.9:
        accepted = accepted + 1
    else:
        rejected = rejected - 1

    weight=float(input("Enter weight in kg: ")
    height=float(input("Enter height in m: ")) #

    print("Total accepted = ", accepted)
    print("Total rejected = ", rejected) #
```

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| | |
| **Task 4** | |
| 10 | Input list of marks saved in variable |
| | Validation for 0 to 100 marks |
| | Variable for total marks for student |
| | Total marks for student updated correctly |
| | Average marks calculation |
| | Rounding |
| | Correct loop for 4 students |
| | |
| 11 | 4 lines of output according to requirements |
| | Results are correct |
| | |
| 12 | A list is used to capture the marks for each subject |
| | Correct result |
| | |
| 13 | Variable to capture number of students |
| | Loop for number of students |