

**GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET
HYDERABAD-500016**
(Autonomous – Affiliated to Osmania University)

ROOM NO:208

Producing a Check Digit
This procedure is used to generate a check digit to add to the end of a number. It is used for ISBN-11 weighted check digit calculation. This calculation is used for numbers on books.

- 1) Start with the original product number e.g. 185813415.
- 2) Weight each digit by its position in the string and add up the results. Note that the lowest weight used is 2:
- 3) Divide the total by 11 and then subtract the remainder from 11. The check digit is the result of this operation: $228 / 11 = 20$ remainder 8 \Rightarrow if the remainder is 10 then the check digit is set to X. If it is 0 then the check digit is 0.

Barcode diagram labels: Left Guard Bars, Right Guard Bars, Number System Character (0), Manufacturer Number (12345), Center Bars (67890), Item Number (5), Check Digit.

Digit	1	8	5	8	1	3	4	1	5
Weightings	10	9	8	7	6	5	4	3	2
Result	10	72	40	56	6	15	16	3	10
Total	228								

Hyderabad, TG, India
Sardar Patel Road, Begumpet,
Lat 17°26'31"N, Long 78°27'35"E
01/11/2022 05:57 PM

Map labels: Katta Maisamma Temple, Sri Durga Deluxe Mess, Government Degree College for Women, Apple Maps.