Formula for calculation of merit

(i) The merit shall be worked out as per the regulations of Pakistan Medical and Dental Council (PMDC), and shall be based on the aggregate percentage of the candidates worked out by adding the marks in the following ratio:

<table>
<thead>
<tr>
<th>Education Level</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matriculation (SSC or Equivalent)</td>
<td>10%</td>
</tr>
<tr>
<td>HSSC/F.Sc (Premedical or Equivalent)</td>
<td>40%</td>
</tr>
<tr>
<td>Entrance Test</td>
<td>50%</td>
</tr>
</tbody>
</table>

(ii) The Formula for calculation of merit is as follows:

**Step – I**

\[
\text{Marks obtained in SSC /Equivalent} \times 1100 \times 0.10 = 10\% \text{ of SSC/Equivalent}
\]

**Step – II**

\[
\text{Marks obtained in HSSC /Equivalent} \times 1100 \times 0.40 = 40\% \text{ of HSSC/Equivalent}
\]

**Step – III**

\[
\text{Marks obtained in Entrance Test /SAT II/MCAT} \times 1100 \times 0.50 = 50\% \text{ of Admission Test}
\]

**Step – IV**

10% SSC/Equivalent + 40% HSSC/Equivalent +50% Admission Test = Aggregate Marks

**Step – V**

\[
\frac{\text{Aggregate Marks} \times 100}{1100} = \text{Aggregate Percentage}
\]

**Example 1:**

Marks obtained in Matriculation = 992 / 1050
Marks obtained in HSSC/FSc = 980 / 1100
Marks obtained in Entrance Test = 970 / 1100

By applying the aforementioned formula:

\[
\begin{align*}
992 \times 1100 & \times 0.10 = 103.92 \\
980 \times 1100 & \times 0.40 = 392 \\
970 \times 1100 & \times 0.50 = 485
\end{align*}
\]

Aggregate Marks = 103.92 + 392 + 485 = 980.92

Aggregate Percentage = 980.92 / 1100 x 100 = \textbf{89.1745}
Example 2 (For Overseas / Dual Nationality Holders Seats):
Equivalence of O-Level = 812/900
Equivalence of A-Level = 925/1100
SAT II Score = 2100/2400

\[
\begin{align*}
812/900 \times 1100 \times 0.10 &= 99.24 \\
925/1100 \times 1100 \times 0.40 &= 370 \\
2100/2400 \times 1100 \times 0.50 &= 481.25 \\
\end{align*}
\]

Aggregate Marks = 99.24 + 370 + 481.25 = 950.49
Aggregate Percentage = \(950.49/1100 \times 100 = 86.4081\)

(iii) Final calculation in percentage will be rounded up to four decimal points.