Tak Sun Secondary School
F.1 Contemporary Studies
Problem set 2 for remedial class 10-11
Topic: Directions
Full Mark: 45 marks

SUGGESTED SOLUTION

A. Fill-in-the-blanks (1 mark for 1 blank)

B. Multiple choice questions (5 marks)

1. B
2. B
3. B
4. B
5. B
C. Data-based questions (25 marks)

1. Fig. 2 shows some of the most popular tourist destinations of Hong Kong people. At what direction does the plane have to fly? (1 mark for 1 blank)

<table>
<thead>
<tr>
<th>The direction</th>
<th>Compass point</th>
<th>Whole circle bearing</th>
<th>Reduced bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>From Hong Kong to Beijing?</td>
<td>NNE</td>
<td>5° (4° - 6°)</td>
<td>N5° E (N4° E - N6° E)</td>
</tr>
<tr>
<td>From Hong Kong to Manila?</td>
<td>SSE</td>
<td>140° (139° - 141°)</td>
<td>S40° E (S39° E - S41° E)</td>
</tr>
<tr>
<td>From Hong Kong to Singapore?</td>
<td>SSW</td>
<td>205° (204° - 206°)</td>
<td>S25° W</td>
</tr>
</tbody>
</table>
2. (1 mark for 1 blank)

| From Shanghai to Hong Kong? | SSW | 220° (219° - 221°) | S40° W (S39° W - S41° W) |
| From Tokyo to Hong Kong?    | WSW | 235° (234° - 236°) | S55° W (S54° W - S56° W) |

<table>
<thead>
<tr>
<th>Reduced bearing</th>
<th>Whole circle bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Police station</td>
<td>N18°W (+2°)</td>
</tr>
<tr>
<td>b. Hospital</td>
<td>N32°E (+2°)</td>
</tr>
<tr>
<td>c. Fire station</td>
<td>N73°E (+2°)</td>
</tr>
</tbody>
</table>

3. (1 mark for 1 question)

a. North.

b. N75°W(+2°).

c. 227°(+2°).

d. 301°(+2°).

D. Short questions. (2 marks)

1. There are three ways to tell directions, namely compass points, whole circle bearing and reduced bearing. (2)