

Bab 7

Pelan dan Dongakan Plans and Elevations

BAHAGIAN/ SECTION A

Arahan: Jawab semua soalan.

Instruction: Answer all questions.

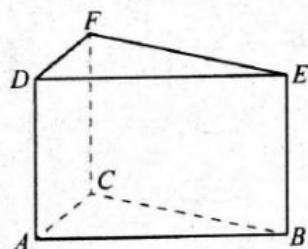
- 1 Antara berikut, yang manakah bukan jenis-jenis satah?

Which of the following is not the types of the planes?

- A Satah mengufuk
Horizontal plane
- B Satah mencancang
Vertical plane
- C Satah melengkung
Curve plane
- D Satah condong
Inclined plane

- 2 Rajah di bawah menunjukkan sebuah prisma.

The diagram below shows a prism.



- Antara berikut, yang manakah normal kepada satah ABC?

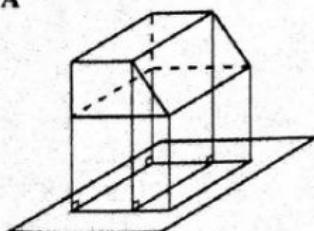
Which of the following is the normal to the plane ABC?

- A FC
- B AB
- C FE
- D DE

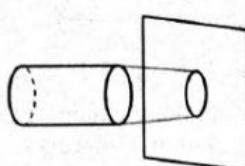
- 3 Antara objek berikut, yang manakah mempunyai unjuran ortogon yang betul?

Which of the following objects has the correct orthogonal projection?

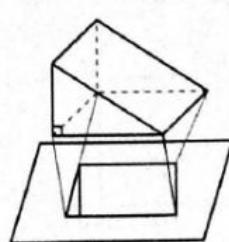
A



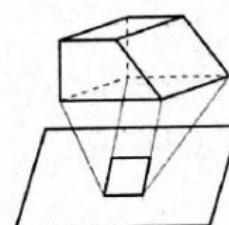
B



C

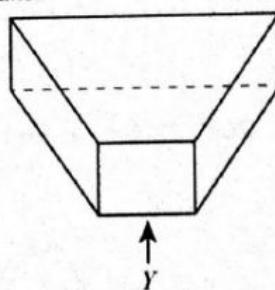


D



- 4 Rajah di bawah menunjukkan suatu objek yang terletak pada suatu satah mengufuk.

The diagram below shows an object that lies on a horizontal plane.



Antara berikut, yang manakah adalah unjuran ortogon bagi objek itu pada satah mencancang sebagaimana dilihat dari arah Y?

Which of the following is the orthogonal projection of the object on a vertical plane as viewed from Y?

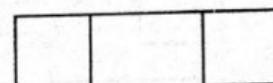
A



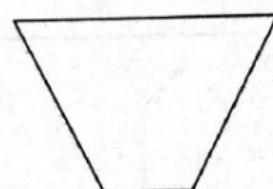
B



C

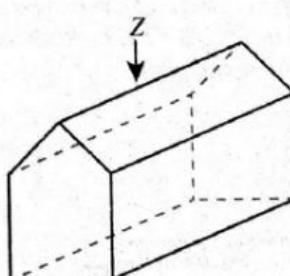


D



- 5 Rajah di bawah menunjukkan suatu objek yang terletak pada suatu satah mengufuk.

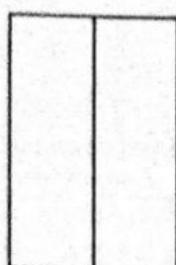
The diagram below shows an object that lies on a horizontal plane.



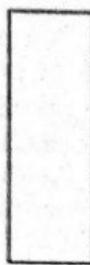
Antara berikut, yang manakah adalah unjuran ortogon bagi objek itu pada satah mencancang sebagaimana dilihat dari arah Z?

Which of the following is the orthogonal projection of the object on a vertical plane as viewed from Z?

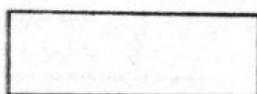
A



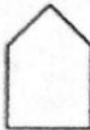
B



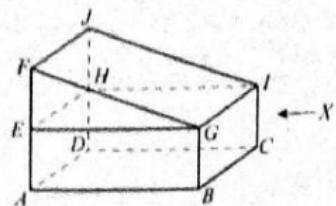
C



D

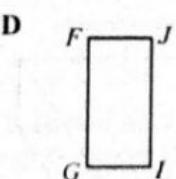
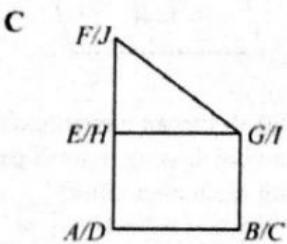
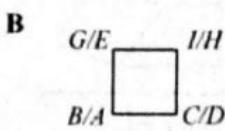
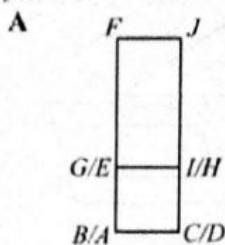


- 6 Rajah menunjukkan gabungan kuboid dan prisma tegak dengan tapak segi empat tepat $ABCD$ yang terletak pada suatu satah mengufuk.
7.2 The diagram shows a combination of a cuboid and a right prism with a rectangular base $ABCD$ on a horizontal plane.

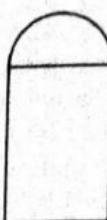


Antara berikut, yang manakah adalah dongakan dari arah X ?

Which of the following is the elevation of the object as viewed from X ?

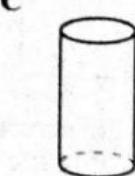
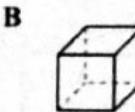
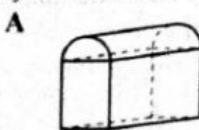


- 7 Rajah di bawah menunjukkan dongakan depan bagi gabungan objek.
7.3 The diagram below shows front elevation of the combined object.



Antara berikut, yang manakah bentuk tiga dimensi yang mungkin bagi gabungan objek itu?

Which of the following is the possible three-dimensional shape of the combined object?



BAHAGIAN / SECTION B

Arahan: Jawab semua soalan.
Instruction: Answer all questions.

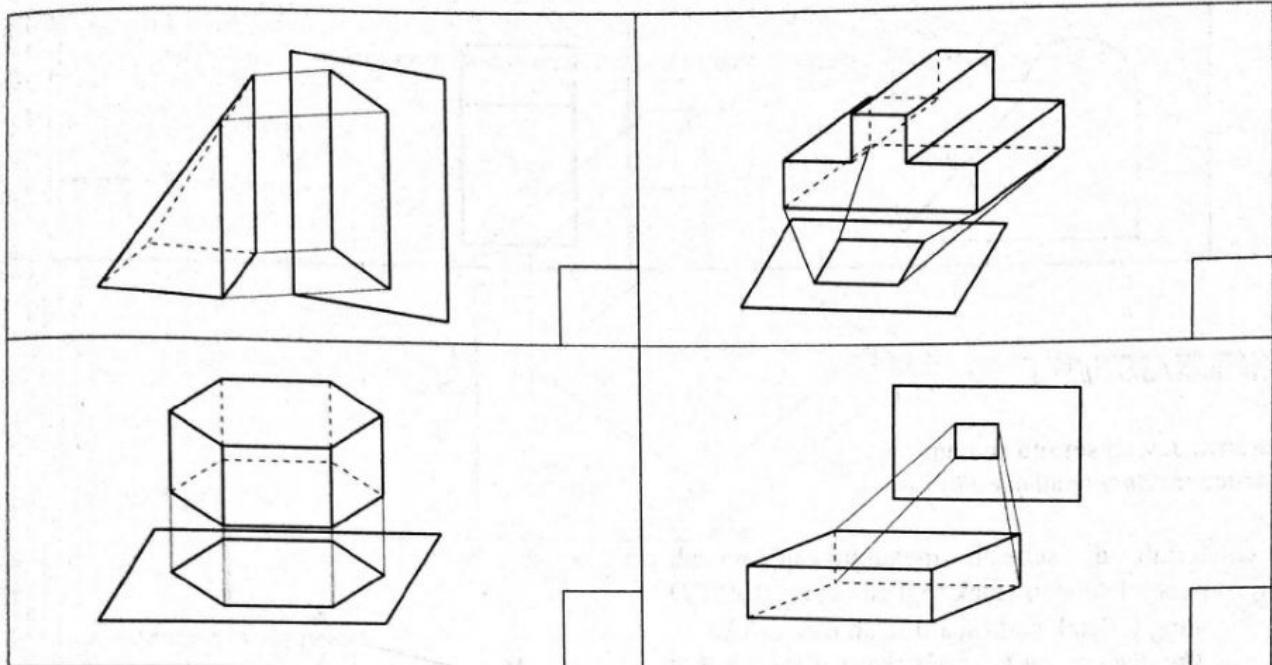
- 8 Rajah menunjukkan objek dan unjurannya pada suatu satah.

7.4 The diagram shows the object and its projection on a plane.

Tandakan (✓) bagi unjuran ortogonal yang betul dan (✗) bagi unjuran ortogonal yang salah.
Mark (✓) for the correct orthogonal projection and (✗) for the incorrect orthogonal projection.

[4 markah/marks]

Jawapan/Answer:



- 9 (a) Padankan pernyataan yang berikut dengan jawapan yang betul.

7.2

Match the following statements with the correct answers.

[2 markah/marks]

Modul
Hibah
Guru-guru

Jawapan/Answer:

Unjuran ortogen pada satah mengufuk yang dilihat dari pandangan atas.

The orthogonal projection on a horizontal plane as seen from the top view.

Dongakan
Elevation

Unjuran ortogen pada satah mencancang yang dilihat dari pandangan sisi atau pandangan depan.

The orthogonal projection on a vertical plane as seen from either the front or side view.

Normal
Normal

Pelan
Plan