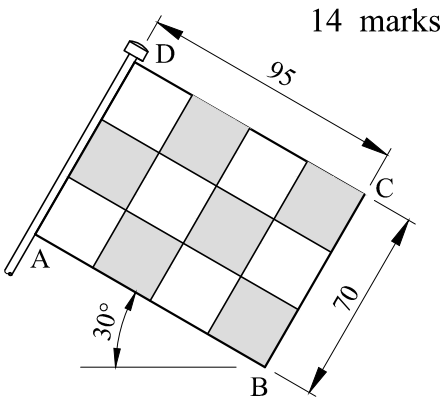
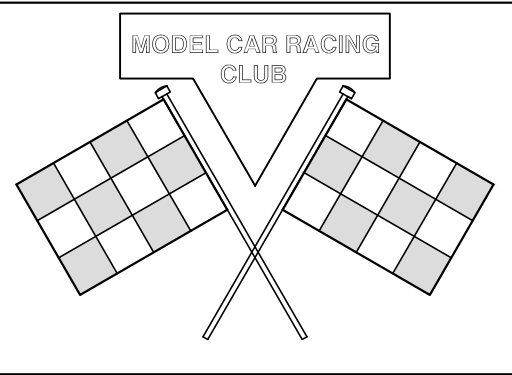


Question No. 1 In the title (name) blocks printed at the bottom of each sheet, write in freehand simple block letters, your name and surname, your class and the date.

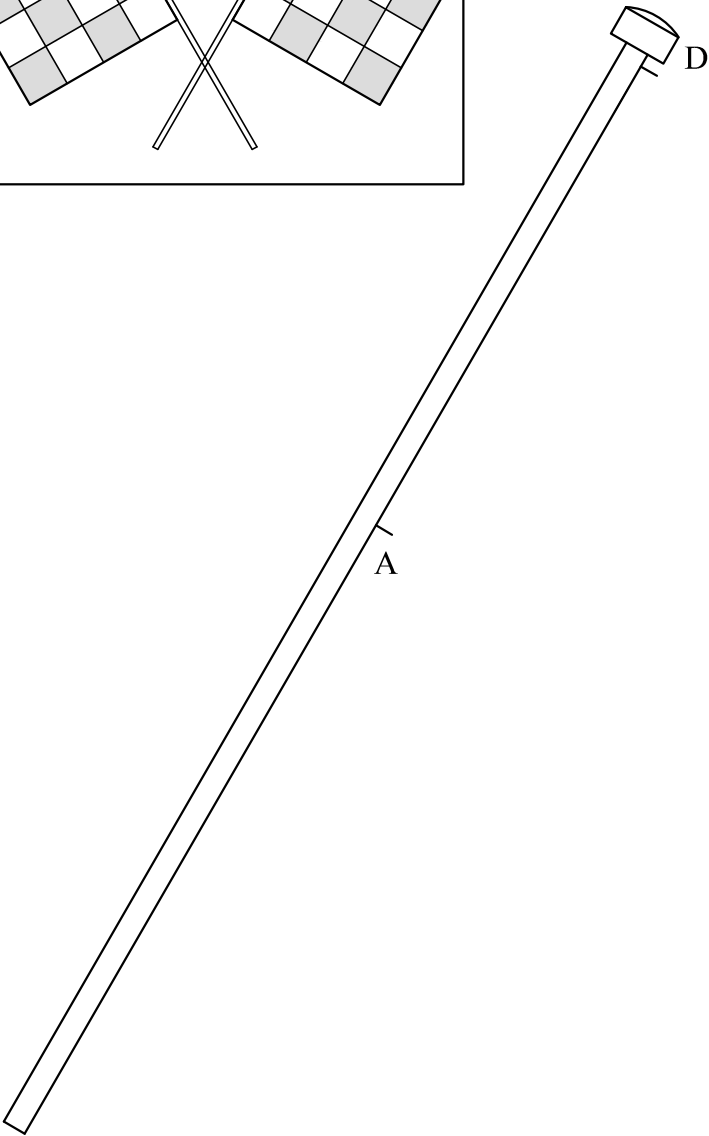
6 marks

Question No. 2 The logo of a model car-racing club is shown below on the left-hand side. A dimensioned drawing of the right-hand flag is also given.

Complete the right-hand flag started below by,
(i) drawing the rectangle ABCD to the given dimensions, making use of your set-squares,
(ii) dividing the width AB of the flag into four parts using the bisection method with the compass, and
(iii) dividing the height BC of the flag into three parts using the set-square method.
Using the pencil (not colours), lightly shade six of the squares drawn in the flag similar to the ones shown.



14 marks



Question No. 3 The drawing of a steel bridge passing over a valley is shown. The enlarged bridge at the bottom is made up of various types of triangles. Triangle ABC has equal sides while lines FG and GI are also equal in length.

In the spaces provided below write down neatly and in block letters:
(i) the name of triangles ACD, GIJ and JKL **by angles**,
(ii) the name of triangles ABC, IJK and FGI **by sides**,
(iii) the value of angle 'x'.

14 marks

TRIANGLE ACD _____
(acute-angled, obtuse-angled or right-angled)

TRIANGLE GIJ _____
(acute-angled, obtuse-angled or right-angled)

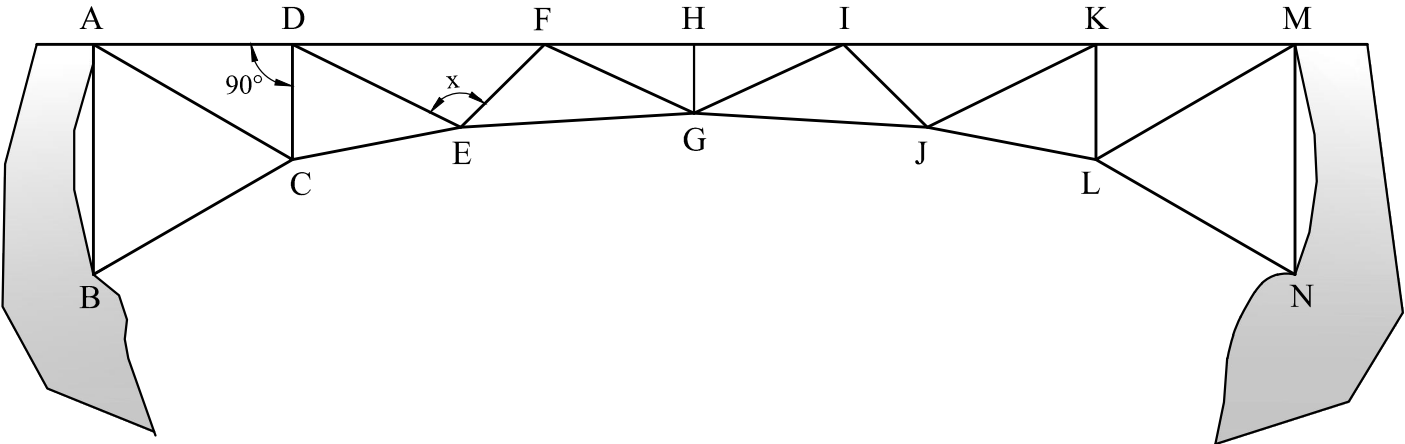
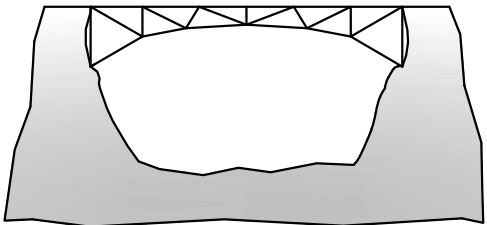
TRIANGLE JKL _____
(acute-angled, obtuse-angled, or right-angled)

TRIANGLE ABC _____
(scalene, equilateral or isosceles)

TRIANGLE IJK _____
(scalene, equilateral or isosceles)

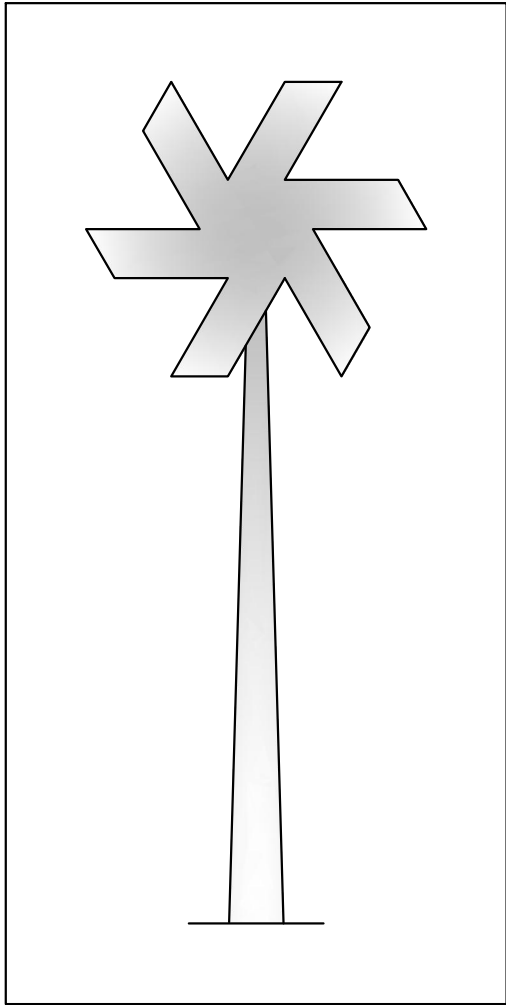
TRIANGLE FGI _____
(scalene, equilateral or isosceles)

THE VALUE OF ANGLE 'x' _____°

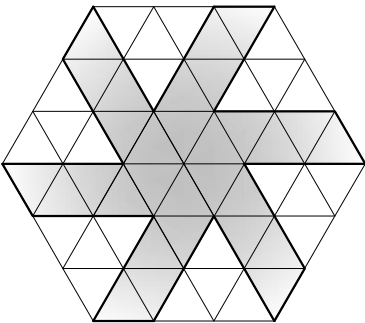


Question No. 4 The logo of a wind-turbine company is shown below.
 Draw the upper part of the turbine (rotor) based on a regular hexagon
 similar to the one shown on the right.
 Start by drawing the regular hexagon on base XY.
 Mark and draw faint lines in the hexagon similar to the ones shown.
 Complete the rotor in bold lines.
 Lightly colour the rotor. You may use any colour.

14 marks



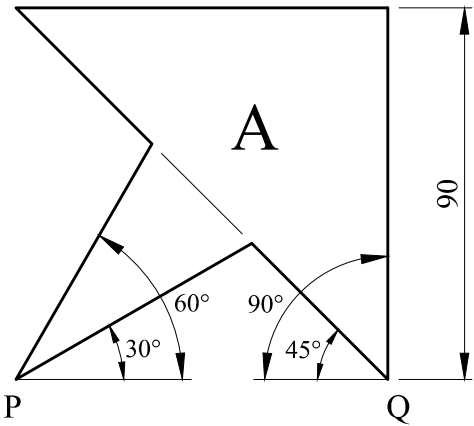
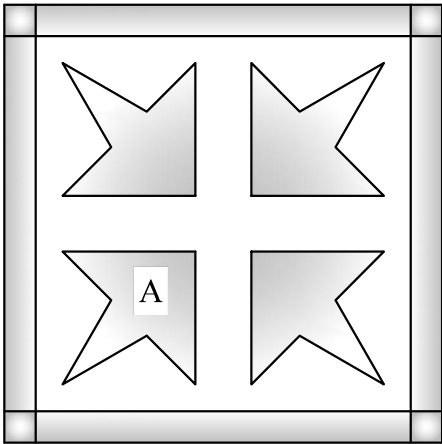
LOGO



X ————— Y

Question No. 5 The tile shown is made up of four similar patterns.
 Draw pattern 'A' according to the given dimensions.
 All four angles must be **constructed** using the compass.

16 marks

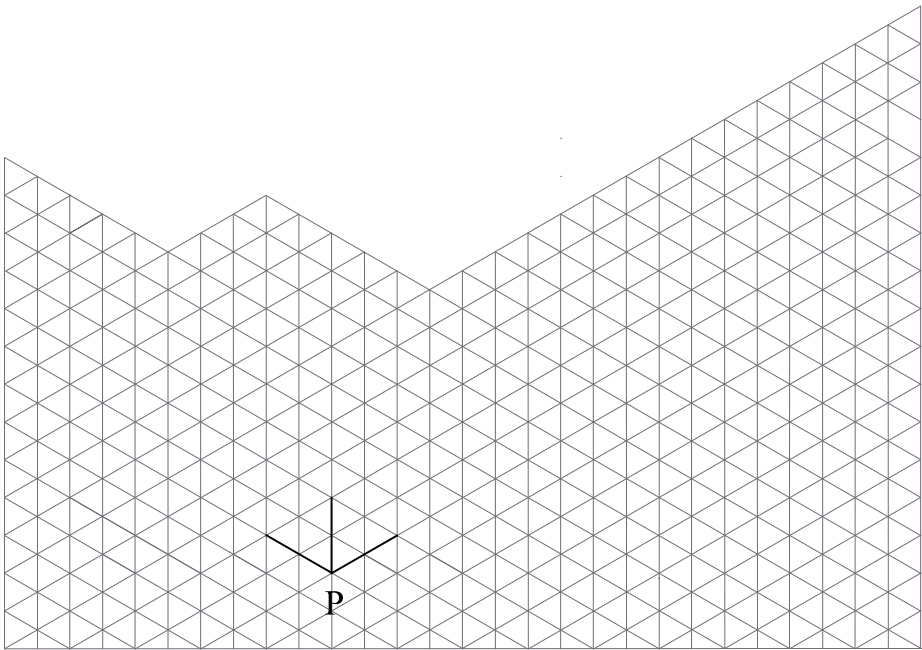
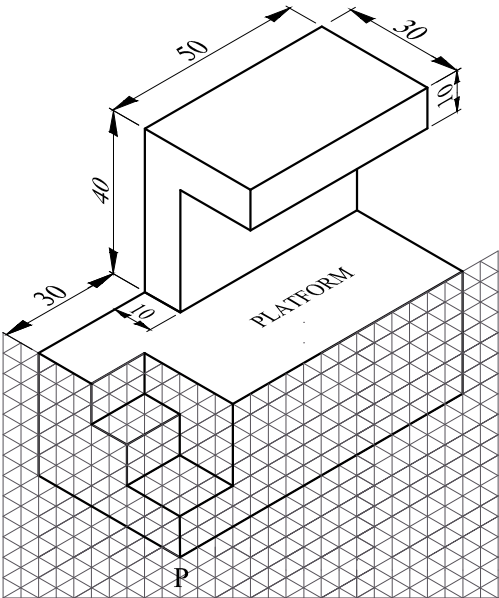


————— P

————— Q

Question No. 6 The figure below shows an isometric drawing of a platform used for presenting trophies to winners of sports events. Part of the platform is drawn in an isometric grid. i) Draw an **isometric projection** similar to the one shown. Use the given isometric grid for the lower part and the given dimensions to draw the upper part. ii) Draw a rectangle in isometric projection on the platform to represent a carpet on which the persons stand while receiving their trophy. Choose your own dimensions. Lightly colour the carpet. *Note:* For examination purposes, safety railings are not included in the drawing.

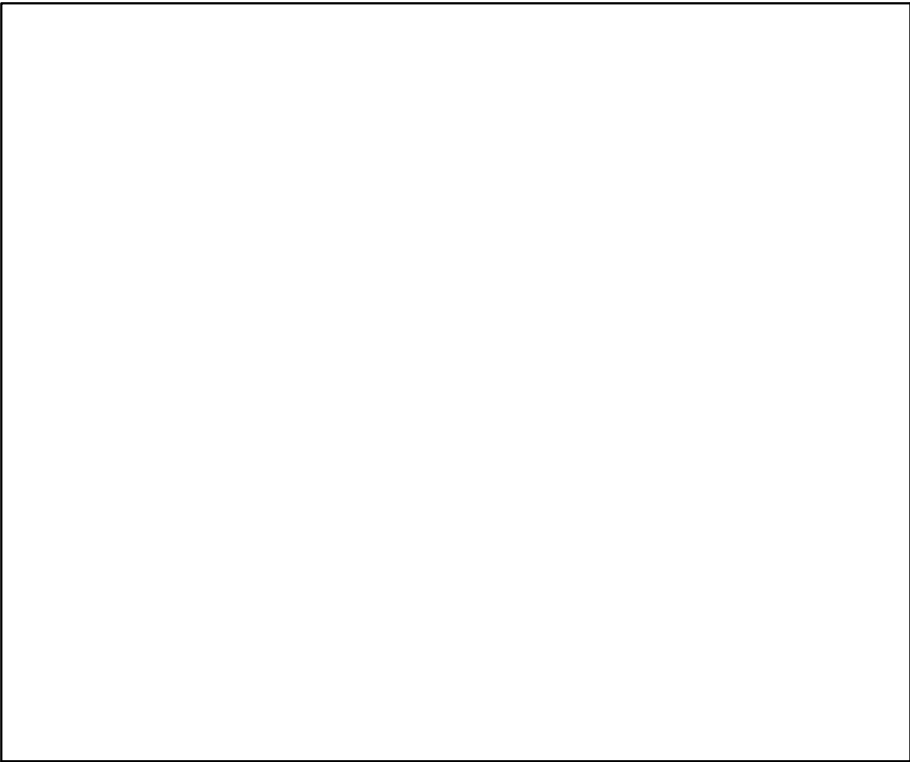
20 marks



Question No. 7 At the entrance of a supermarket a graphic sign is needed to indicate the area where food trolleys are found. i) In the spaces provided below draw two freehand sketches to develop this idea. ii) Using your sketches and with the help of drawing instruments where required, draw a **general information sign** in the rectangle provided to indicate where the trolleys are placed. Do not include words in your sign. Only black and white colours may be used.

16 marks

FREEHAND SKETCHES



FINAL DRAWING