

ST. MICHAEL FOUNDATION ANNUAL EXAMINATIONS

GRAPHICAL COMMUNICATION

FORM II

Monday, 26th June 2017

TIME: 1½ hours

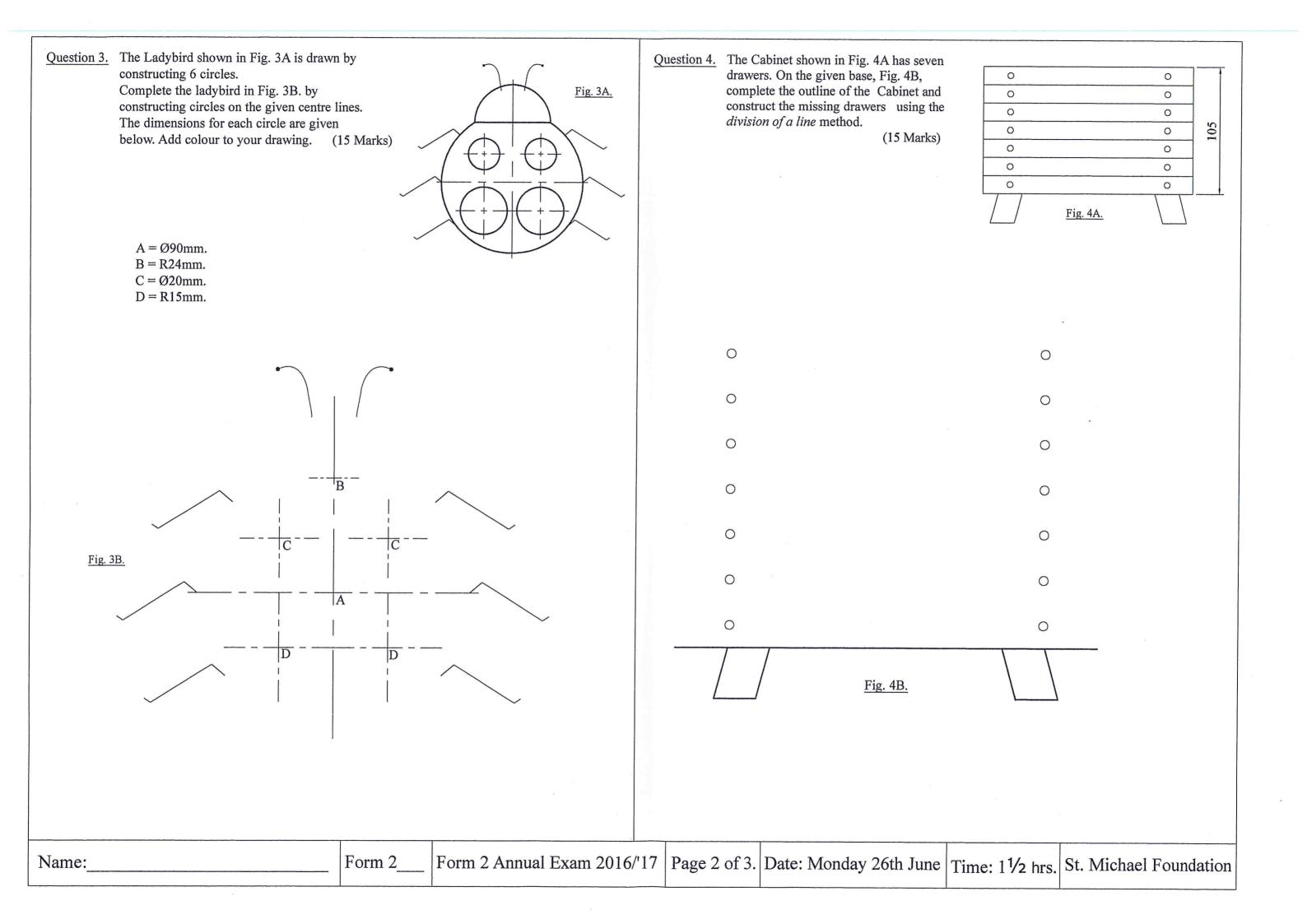
EXAMINATION INSTRUCTIONS

- [1] ALL questions must be attempted.
- [2] You must construct all drawings on the A3 paper provided.
- [3] All dimensions are in millimeters, unless otherwise indicated.
- [4] You must fill in all details correctly in the title block on each sheet.
- [5] All work must be completed in pencil.
- [6] All construction lines <u>MUST</u> be visible and in the correct pencil grades.
- [7] All construction lines must be completed as accurately as possible using the appropriate equipment and pencil grades.
- [8] Coloured pencils or crayons will also be needed.
- [9] All papers must be lined up and fastened in place before attempting any drawing.
- [10] All questions require the use of a T-square, set-squares, compass as well as other equipment, as deemed necessary.
- [11] A calculator may be used if required.
- [12] Rough paper may be used for any working.

WHEN YOU HAVE FINISHED YOUR EXAM:

- [1] Check whether you used the dimensions given for each question.
- [2] Are all lines straight and neat?
- [3] Did you use the correct pencil grade?
- [4] Have you rubbed out any mistakes neatly?
- [5] Did you show all the construction techniques you can use?
- [6] Did you put your full name on each working sheet?
- [7] If you have completed the above, make sure you give the invigilator <u>all</u> your work sheets.

Question 1. Given the line 'A - B', figure 1, use a gline AB and on that centre draw a circle Inside this circle construct a regular H Measure and state the length of one of	le with half 'AB' a exagon.	as radius.	Question 2. Fig	g. 2 shows the profile of part of a toy aw the profile full size using the give	y. On the given base 'en dimensions.	A1 - B1', Fig. 2B, (15 Marks)
<u>Fig. 1</u>			Fig. 2	2A. 25 A B	60° 58 25	
A		В				
Side of Hexagon =				A1 B1 Fig. 2B.		
Name:	Form 2	Form 2 Annual Exam 2016/'1	7 Page 1 of 3.	Date: Monday 26th June	Time: 1½ hrs.	St. Michael Foundation



Question 5. Complete the 'Sailing Boat' shown in Fig. 5A on the given base line, Fig. 5B. Get your dimensions from the completed diagram shown below. Construct the mast on the Question 6. The shape of the watch shown in figure 6A centre of the hull. (25 Marks) below has 5 equal sides. What is this shape called? Construct the shape on the given line 'A - B' in figure 6B. Flag - Equilateral Triangle of side ALL construction lines are to be shown clearly. 25mm_ (15 Marks) Fig. 5A. 50 A^{+} $^{\dagger}_{\rm B}$ Fig. 6B \bigcirc Fig. 6A 0 0 The watch shown in Fig. 6A is in the shape of a В Fig. 5B. Form 2 Annual Exam 2016/'17 | Page 3 of 3. | Date: Monday 26th June | Time: 11/2 hrs. | St. Michael Foundation Form 2 Name: