

# SA-STUDENT

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<https://sa-student.com/>

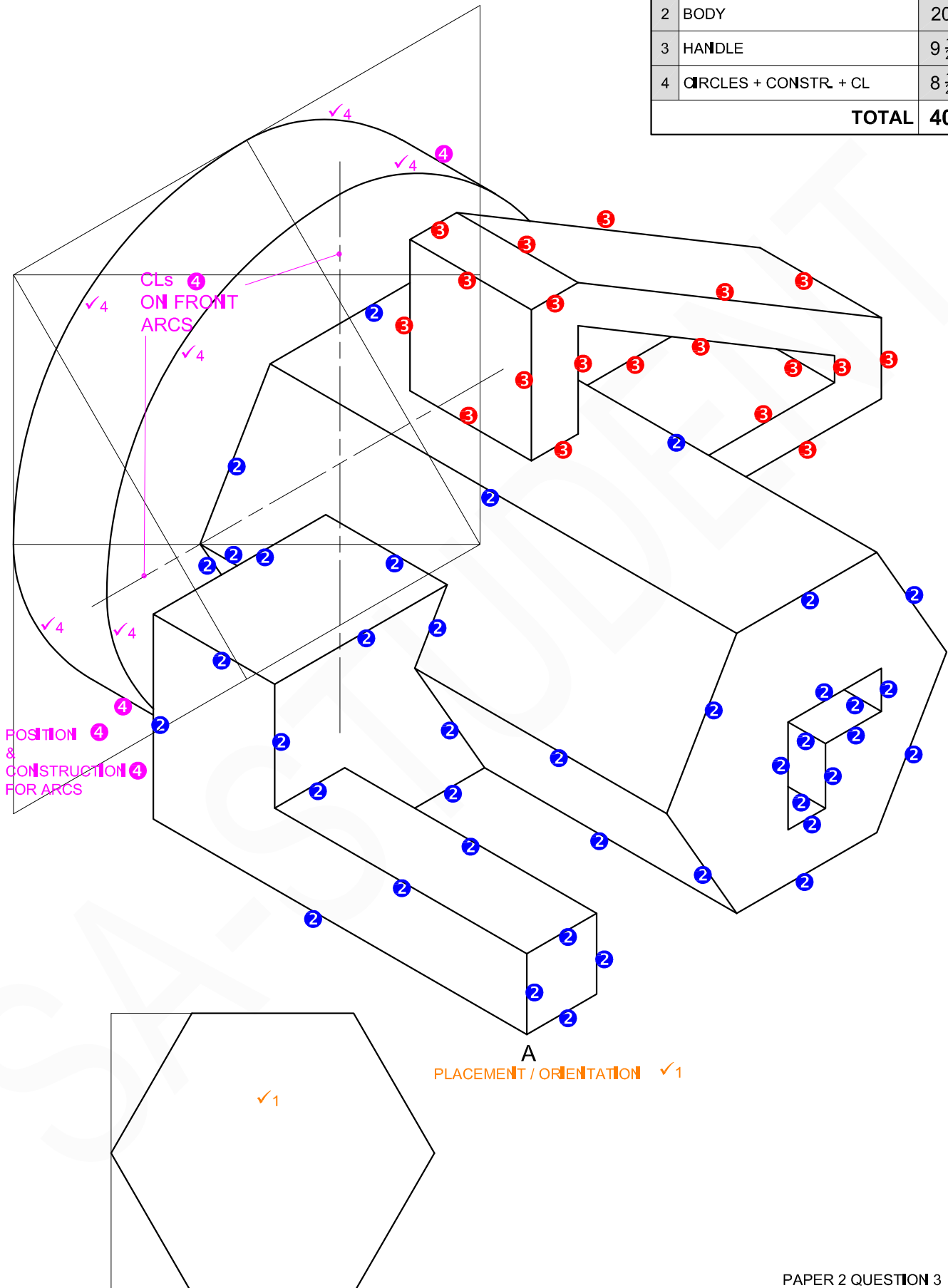
If it's your job to eat a frog, it's best  
to do it first thing in the morning.  
And If it's your job to eat two frogs,  
it's best to eat the biggest one first.

Mark Twain

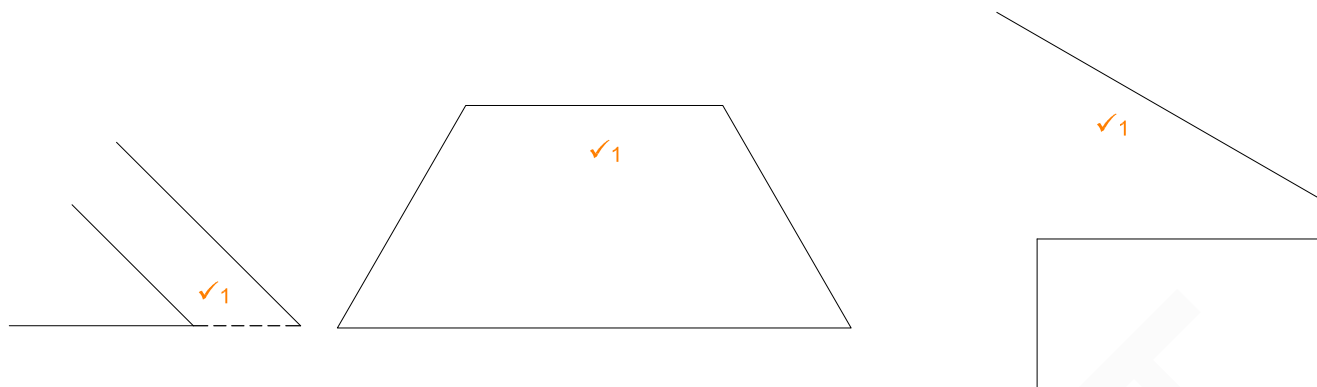


**ASSESSMENT CRITERIA**

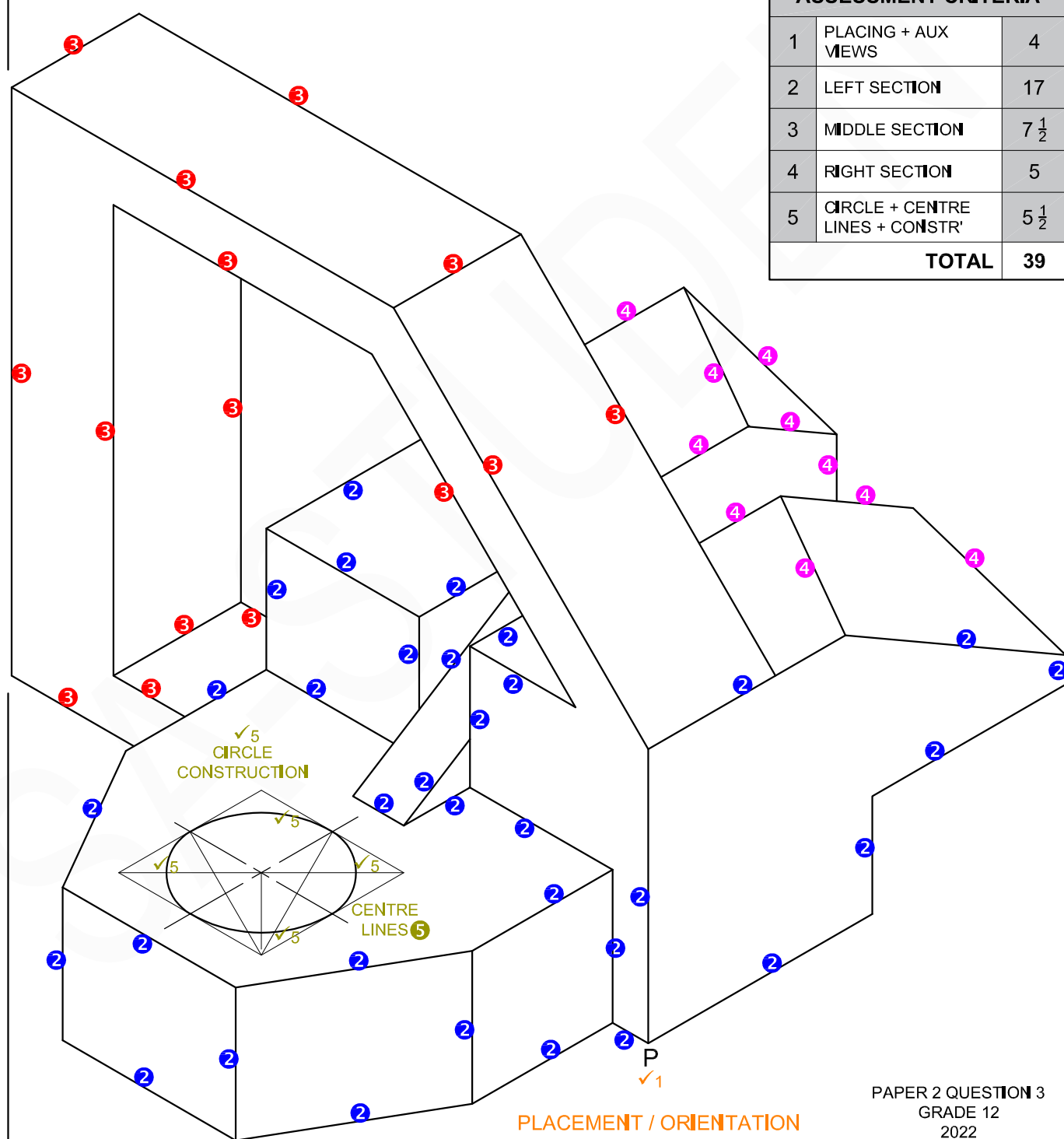
1	PLACING + AUX. VIEW	2
2	BODY	20
3	HANDLE	9 $\frac{1}{2}$
4	CIRCLES + CONSTR. + CL	8 $\frac{1}{2}$
<b>TOTAL</b>		<b>40</b>



PAPER 2 QUESTION 3  
GRADE 12  
NOVEMBER 2022  
MARKING GUIDELINE



ASSESSMENT CRITERIA		
1	PLACING + AUX VIEWS	4
2	LEFT SECTION	17
3	MIDDLE SECTION	7 $\frac{1}{2}$
4	RIGHT SECTION	5
5	CIRCLE + CENTRE LINES + CONSTR'	5 $\frac{1}{2}$
TOTAL		39



PAPER 2 QUESTION 3  
GRADE 12  
2022  
MARKING GUIDELINES

**ASSESSMENT CRITERIA**

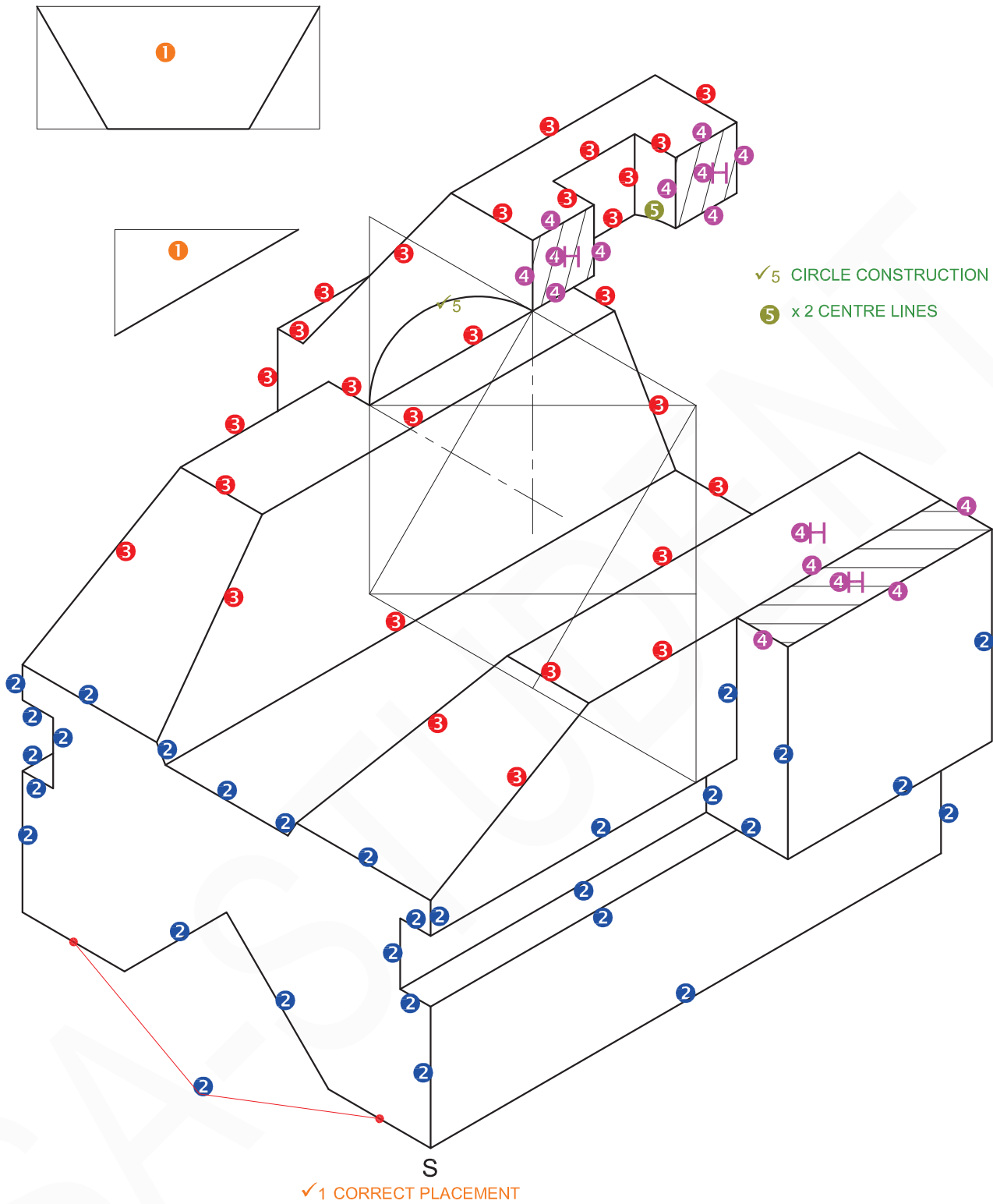
1	PLACING + AUX. VIEW	2
2	FRONT + MIDDLE SURFACES	16 $\frac{1}{2}$
3	SLOPED SURFACE	11
4	CIRCLE + HEXAGON	10 $\frac{1}{2}$
<b>TOTAL</b>		<b>40</b>

**AUXILIARY VIEW**  
✓1

**CIRCLE CONST.**  
✓4

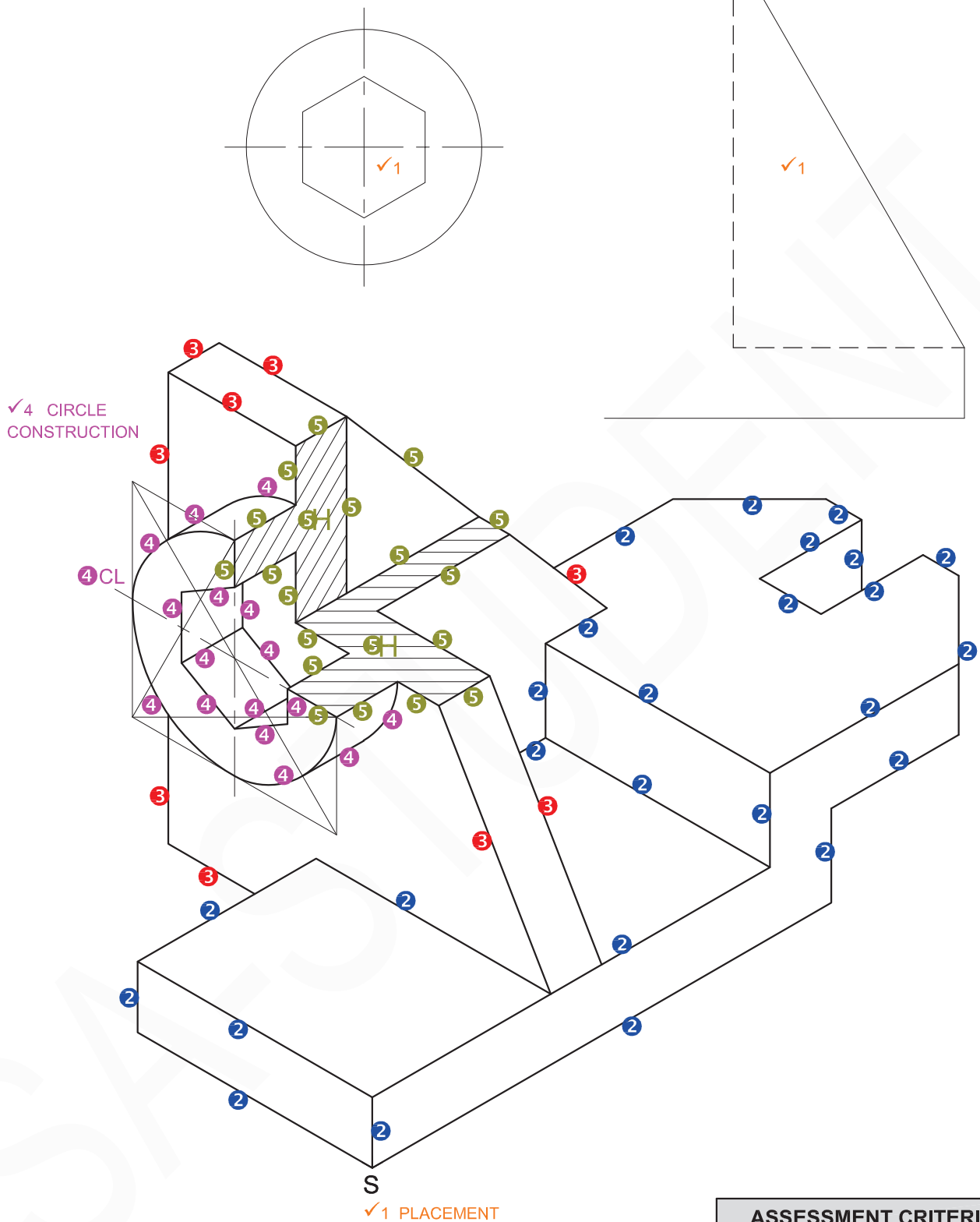
**A**  
✓1 CORRECT PLACEMENT / ORIENTATION

**PAPER 2 QUESTION 3  
GRADE 12  
NOVEMBER 2021  
MARKING GUIDELINE**



ASSESSMENT CRITERIA		
1	AUX. VIEW + PLACING	2
2	LOWER PORTION	15
3	UPPER PORTION	14
4	SECTION	8
5	ISO CIRCLES + CIRCLE CONSTR' + CENTRE LINES	3
<b>TOTAL</b>		<b>42</b>

PAPER 2 QUESTION 3  
GRADE 12  
2021  
MARKING GUIDELINES

**ASSESSMENT CRITERIA**

1	PLACEMENT + AUX VIEW	3
2	BASE	13
3	UPRIGHT	4½
4	CIRCLE + HEXAGON	9½
5	SECTION	10
<b>TOTAL</b>		<b>40</b>

PAPER 2 QUESTION 3  
GRADE 12  
SC/NSC 2020  
MARKING GUIDELINE

✓1

✓1

✓4 CIRCLE CONSTRUCTION

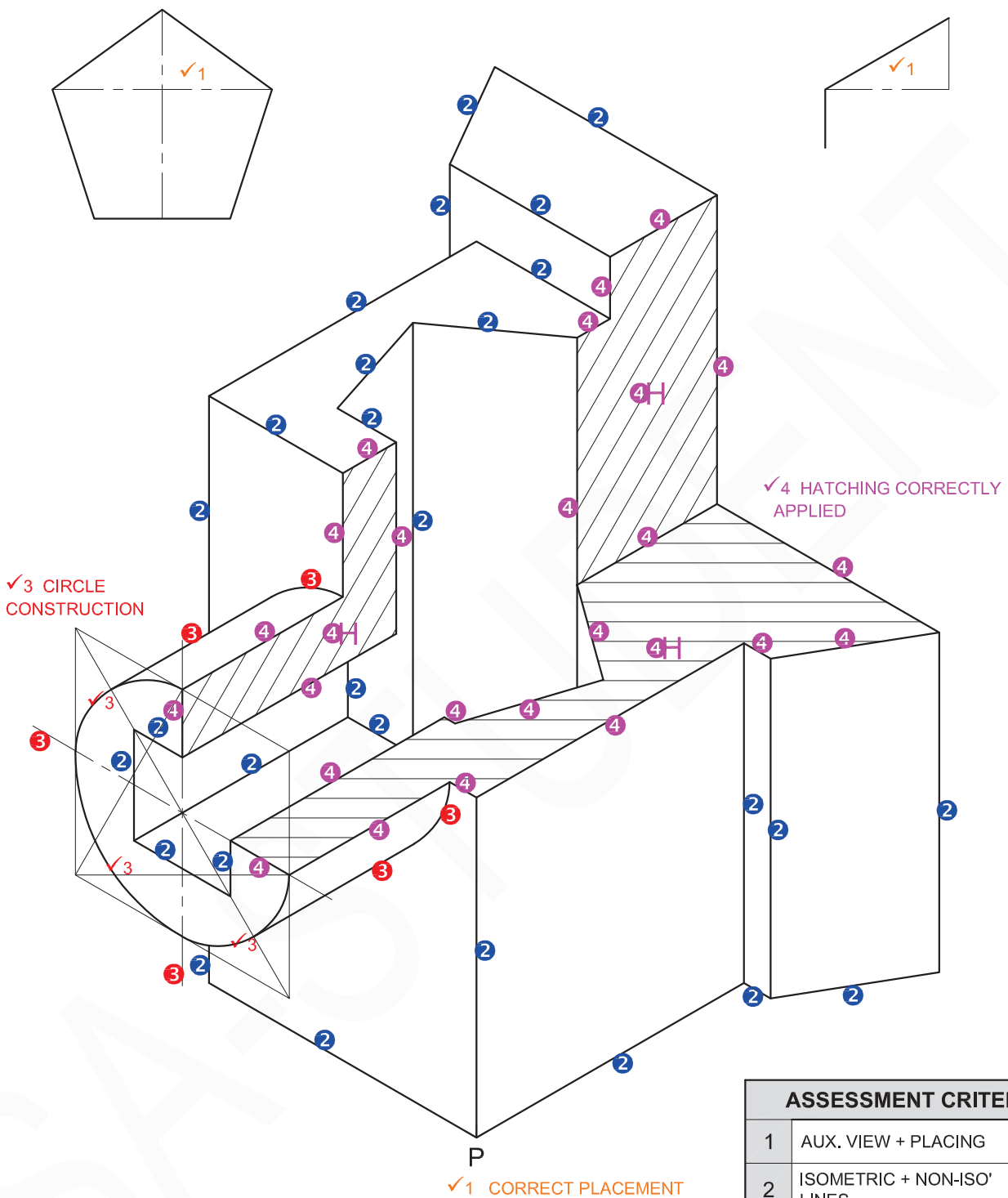
✓4 CENTRE LINES

✓1 CORRECT PLACEMENT

P

PAPER 2 QUESTION 3  
GRADE 12  
NSC 2019  
MARKING GUIDELINES

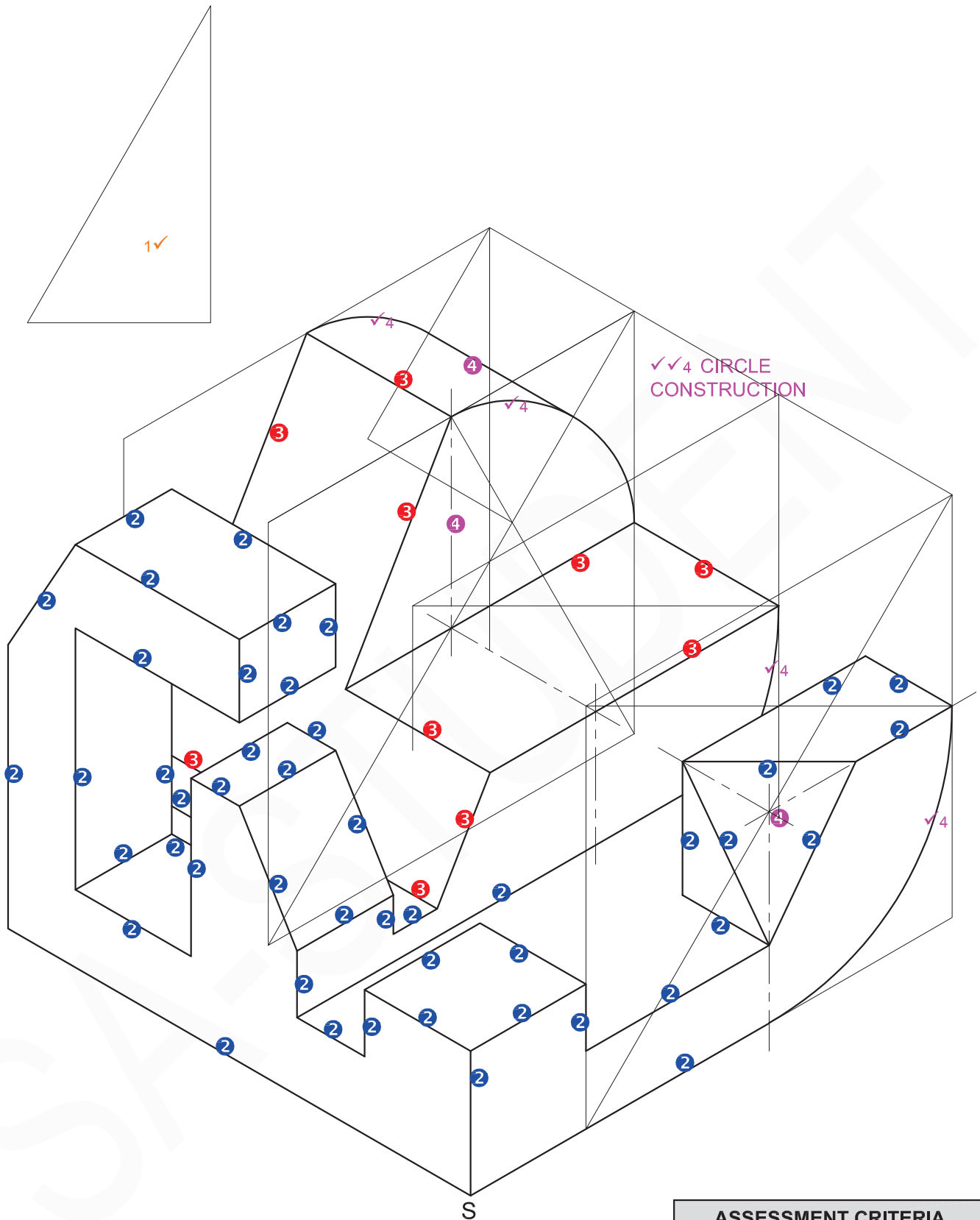
ASSESSMENT CRITERIA		
1	PLACEMENT + AUX. VIEW	3
2	FRONT PORTION	11
3	BACK PORTION	21 $\frac{1}{2}$
4	CIRCLE + CIRCLE CONSTRUCTION + CL	5 $\frac{1}{2}$
<b>TOTAL</b>		<b>41</b>

**ASSESSMENT CRITERIA**

1	AUX. VIEW + PLACING	3
2	ISOMETRIC + NON-ISO' LINES	14
3	ISOMETRIC CIRCLES + CIRCLE CONSTR'	7
4	SECTIONED SURFACES + HATCHING	14
<b>TOTAL</b>		<b>38</b>

PAPER 2 QUESTION 3  
GRADE 12  
SC/NSC 2019  
MARKING GUIDELINE



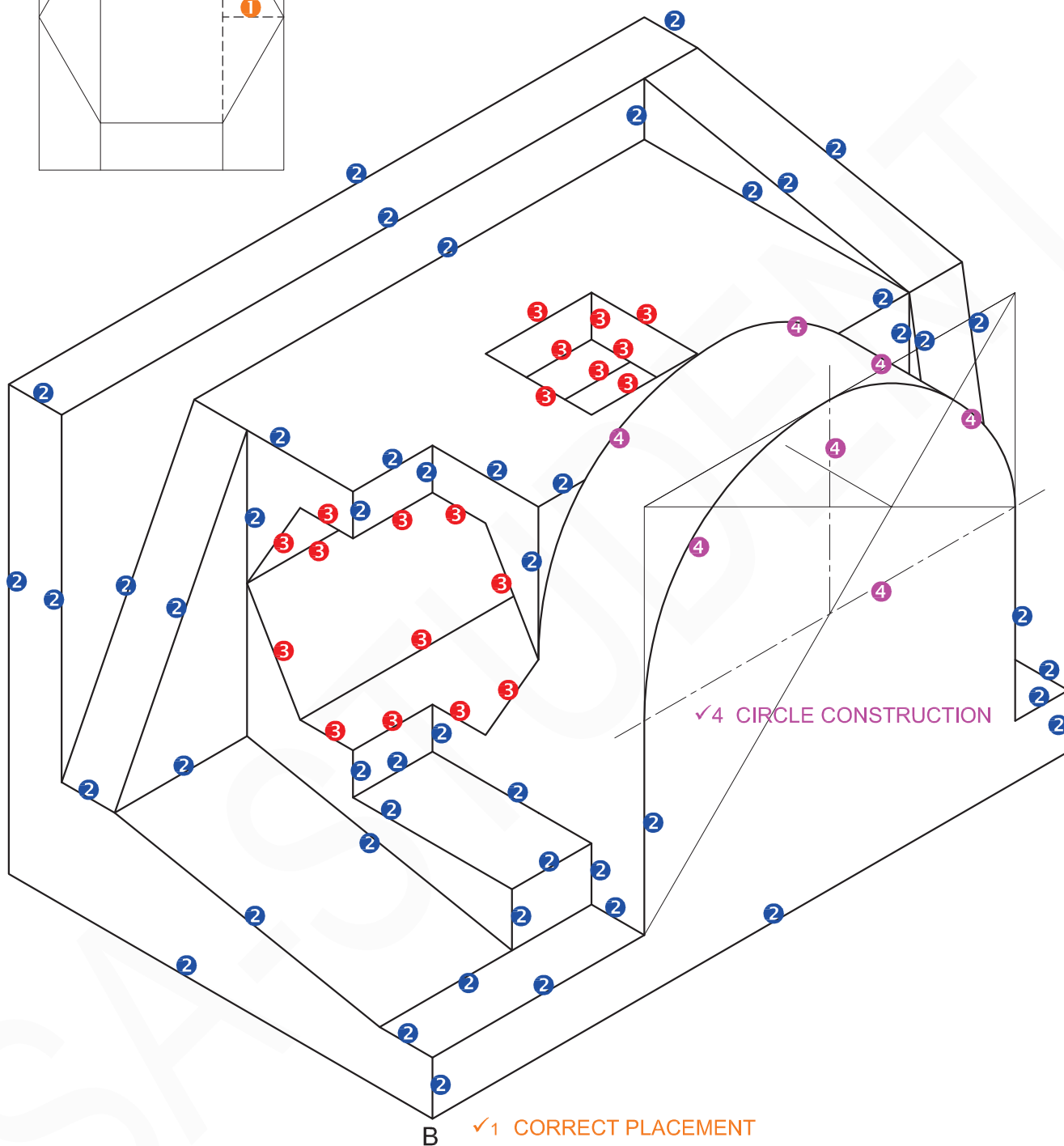


✓1 CORRECT PLACEMENT

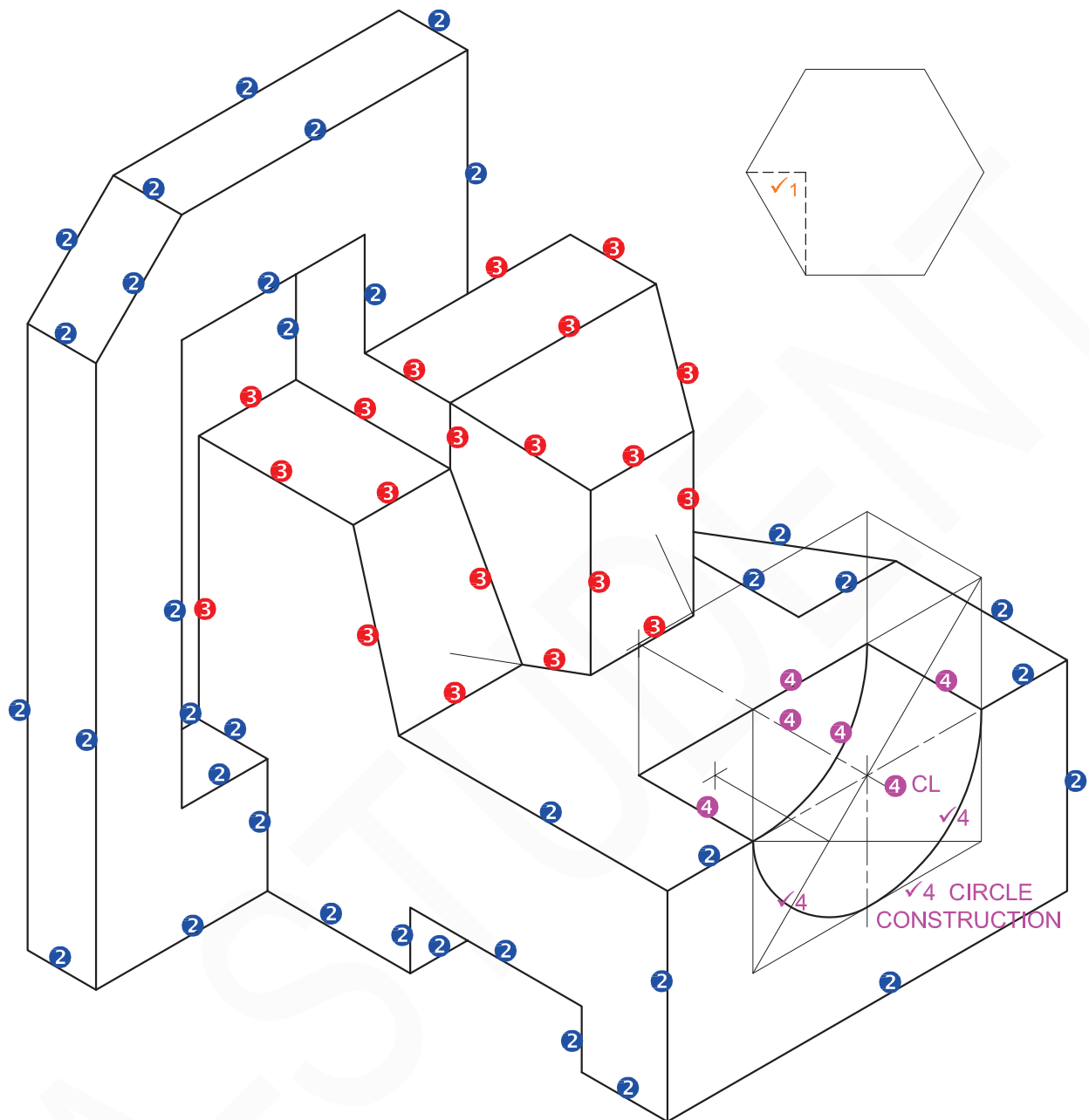
**ASSESSMENT CRITERIA**

1	PLACEMENT + AUX. VIEW	2
2	FRONT PORTION	23 $\frac{1}{2}$
3	BACK PORTION	5
4	CIRCLE +CIRCLE CONSTRUCTION + CL	7 $\frac{1}{2}$
<b>TOTAL</b>		<b>38</b>

PAPER 2 QUESTION 3  
GRADE 12  
NOVEMBER 2018  
MARKING GUIDELINE



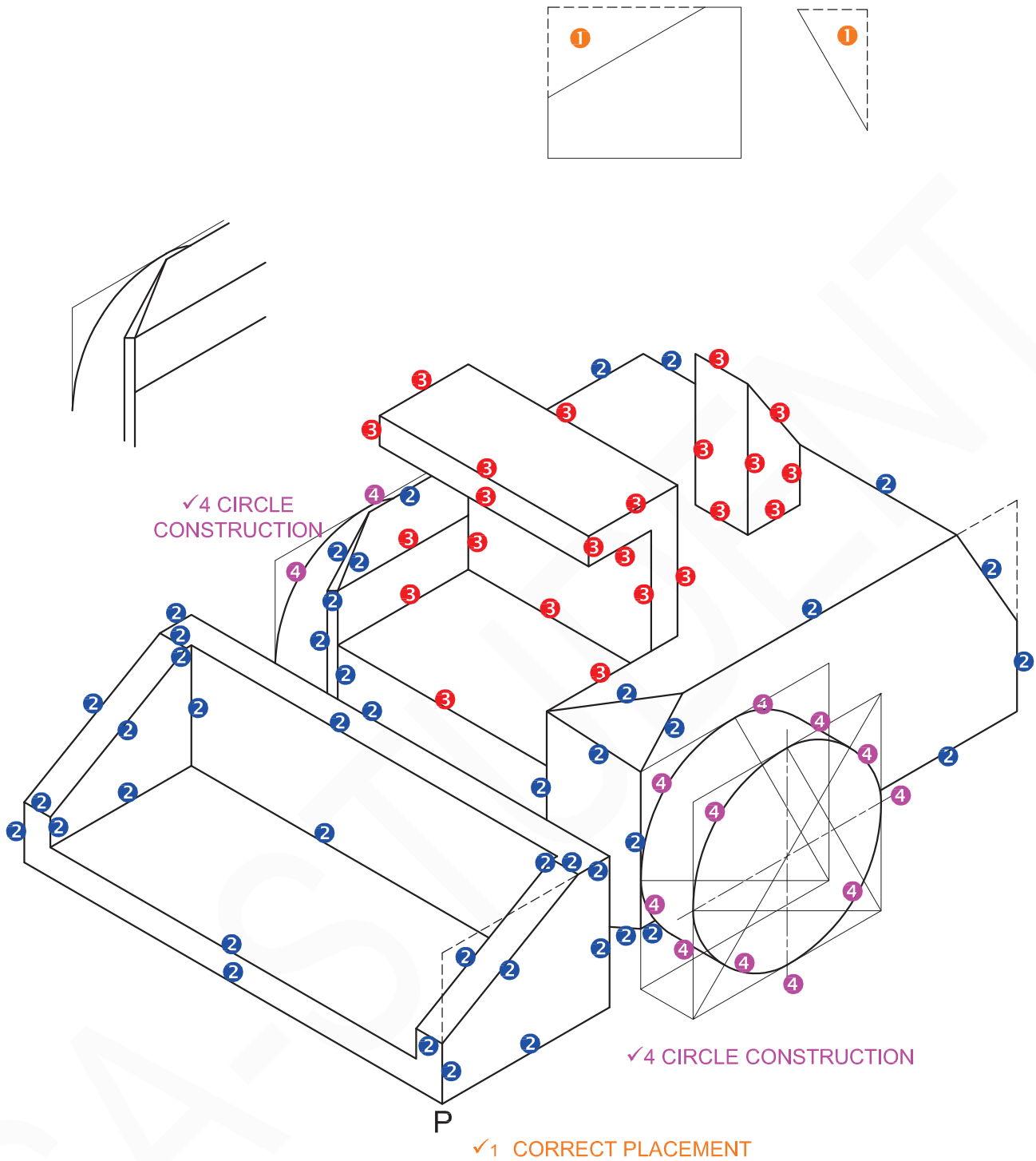
ASSESSMENT CRITERIA		
1	PLACEMENT + AUX. VIEW	2
2	ISOMETRIC + NON ISOMETRIC LINES	24 $\frac{1}{2}$
3	HEXAGON + SQUARE	10
4	CIRCLE + CIRCLE CONSTRUCTION + CL	4 $\frac{1}{2}$
<b>TOTAL</b>		<b>41</b>



B ✓1 CORRECT PLACEMENT

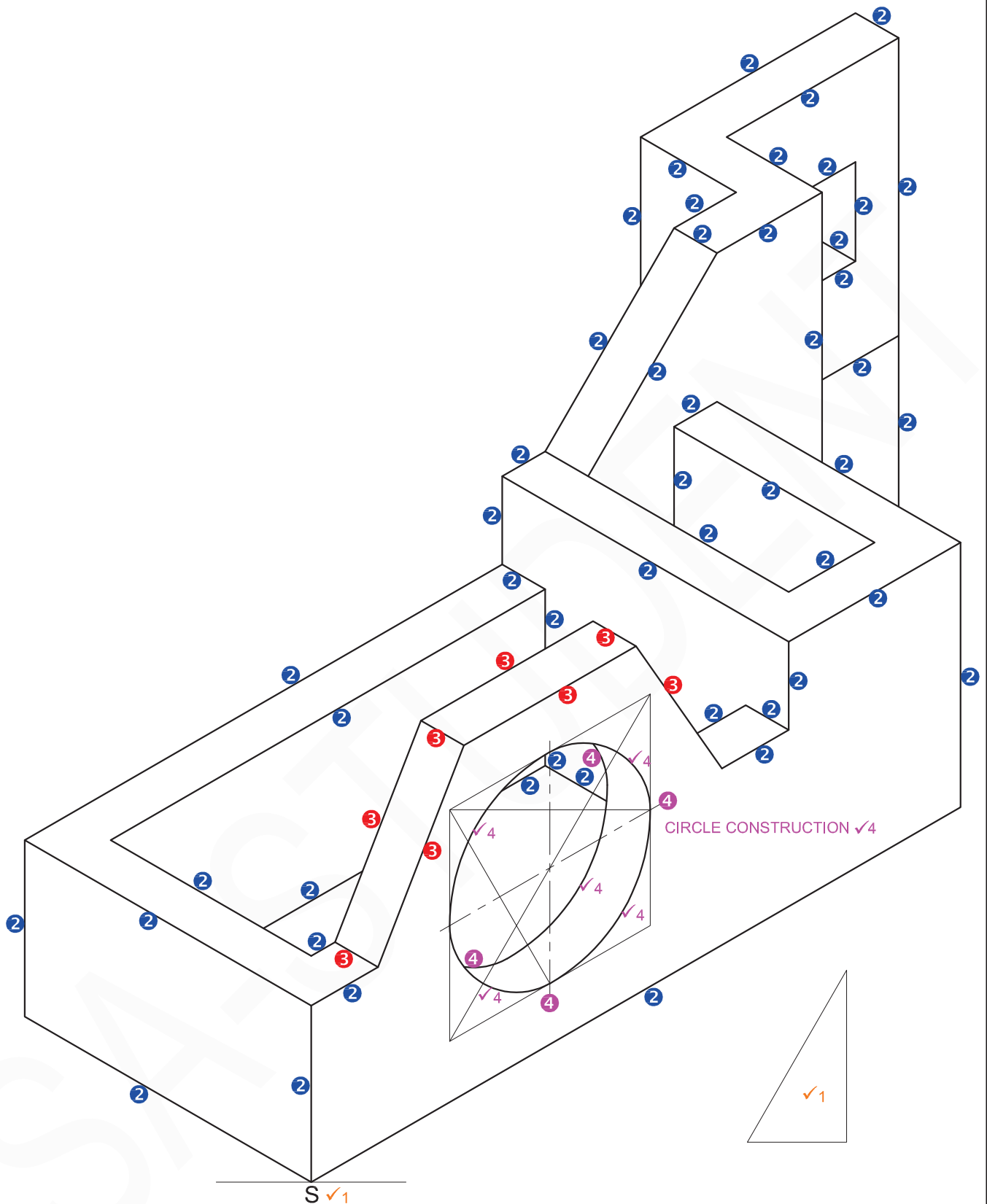
PAPER 2 QUESTION 3  
GRADE 12  
November 2017  
MARKING GUIDELINES

ASSESSMENT CRITERIA		
1	PLACEMENT + AUX. VIEW	2
2	FRONT + REAR	18
3	MIDDLE SECTION	10
4	CIRCLE + CIRCLE CONSTRUCTION + CL	6
<b>TOTAL</b>		<b>36</b>



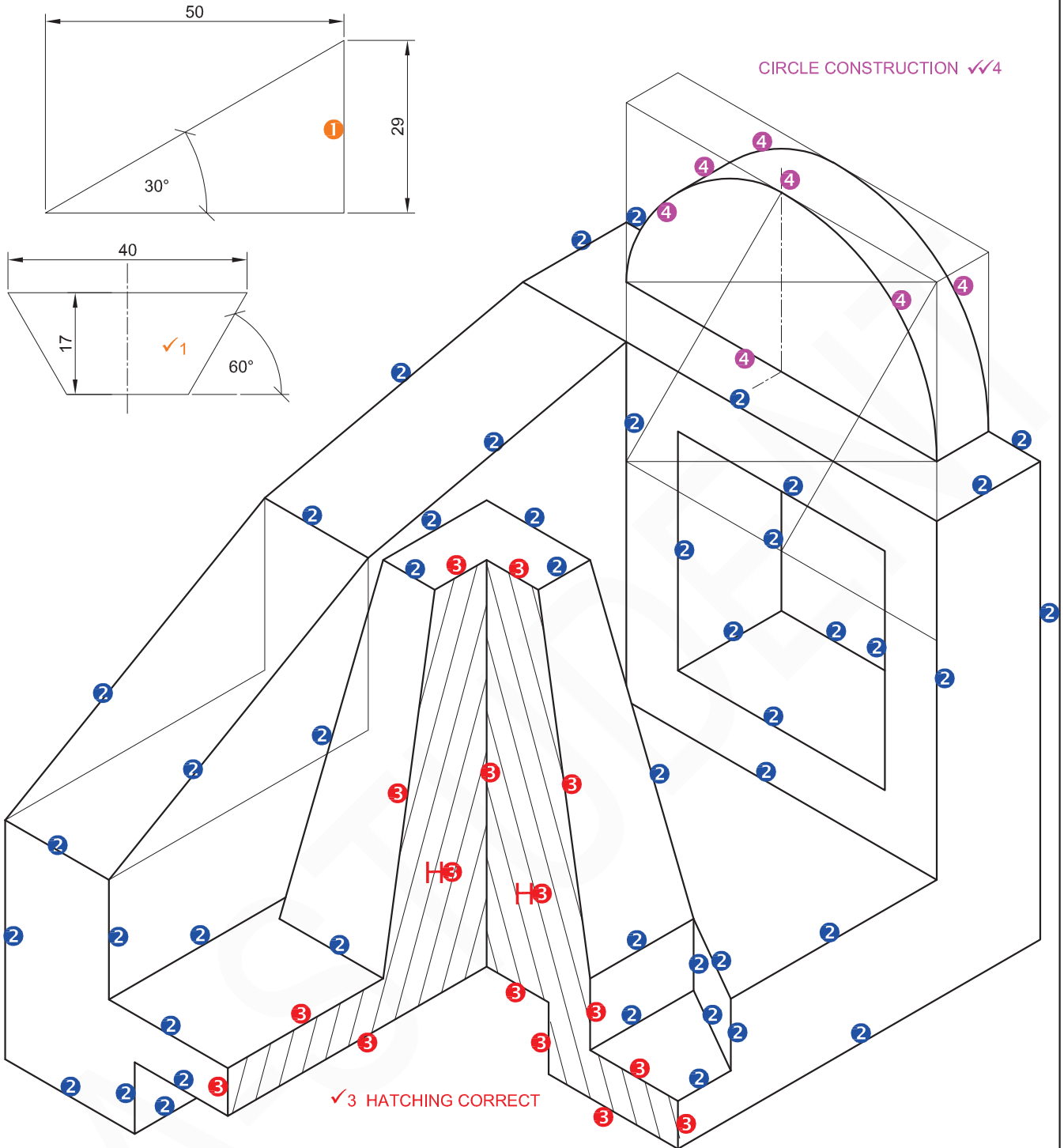
PAPER 2 QUESTION 3  
GRADE 12  
SCE 2017  
MARKING GUIDELINES

ASSESSMENT CRITERIA		
1	PLACEMENT + AUX VIEW	2
2	SCOOP + BODY	22
3	CABIN + EXHAUST	11 $\frac{1}{2}$
4	CIRCLE + CIRCLE CONSTRUCTION + CL	8 $\frac{1}{2}$
<b>TOTAL</b>		<b>44</b>



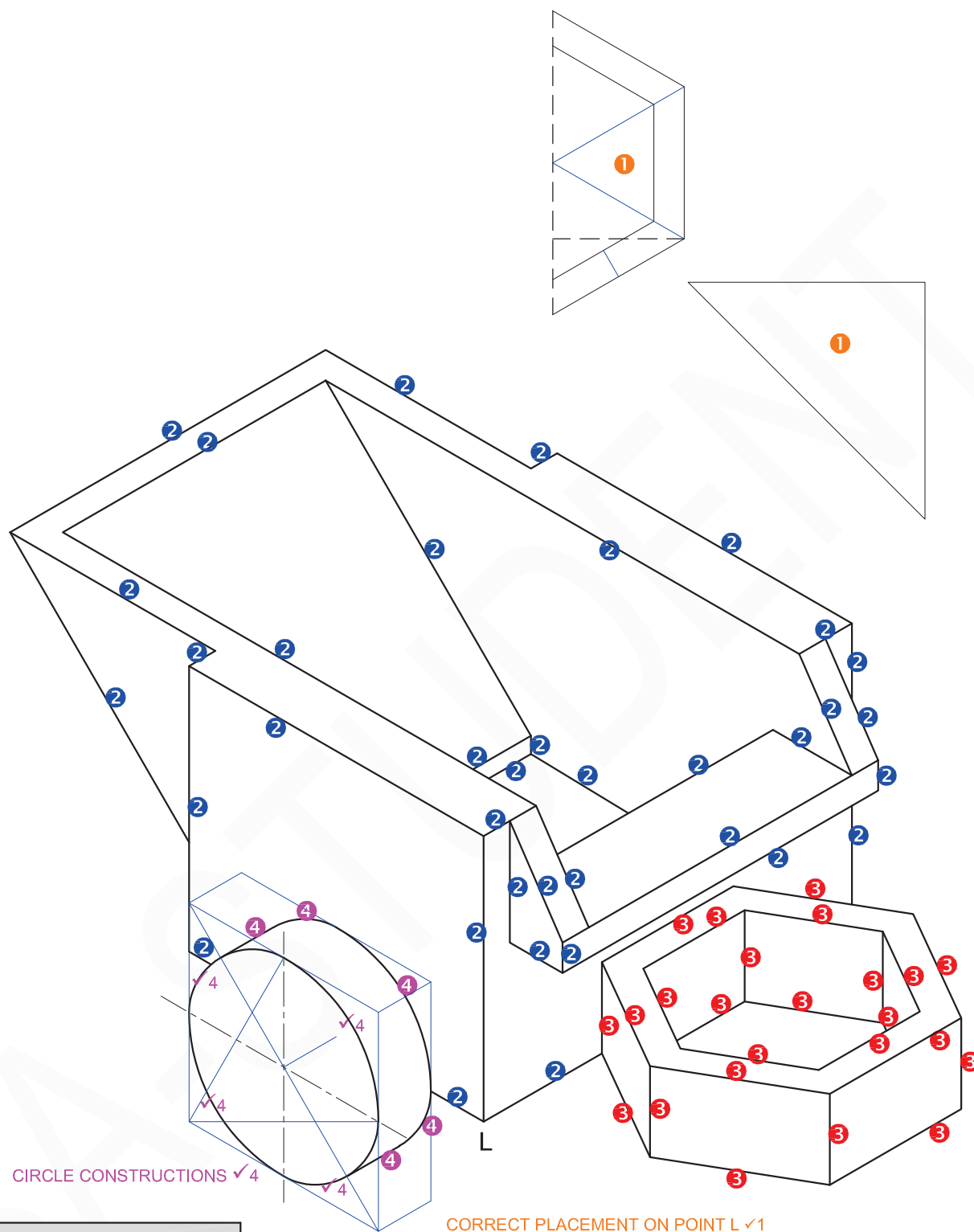
PAPER 2 QUESTION 3  
GRADE 12  
Feb./Mar. 2017  
MEMORANDUM

ASSESSMENT CRITERIA		
1	AUXILIARY VIEW + PLACEMENT	2
2	FRONT + REAR SECTION	25
3	HEXAGON	4
4	CIRCLE + CL	8
TOTAL		39

**ASSESSMENT CRITERIA**

1	AUX. VIEW + PLACING	2 $\frac{1}{2}$
2	ISOMETRIC + NON-ISOMETRIC LINES	23
3	SECTIONED SURFACES	9
4	ISOMETRIC CIRCLES + CIRCLE CONSTR'	5 $\frac{1}{2}$
<b>TOTAL</b>		<b>40</b>

PAPER 2 QUESTION 3  
GRADE 12  
November 2016  
MEMORANDUM

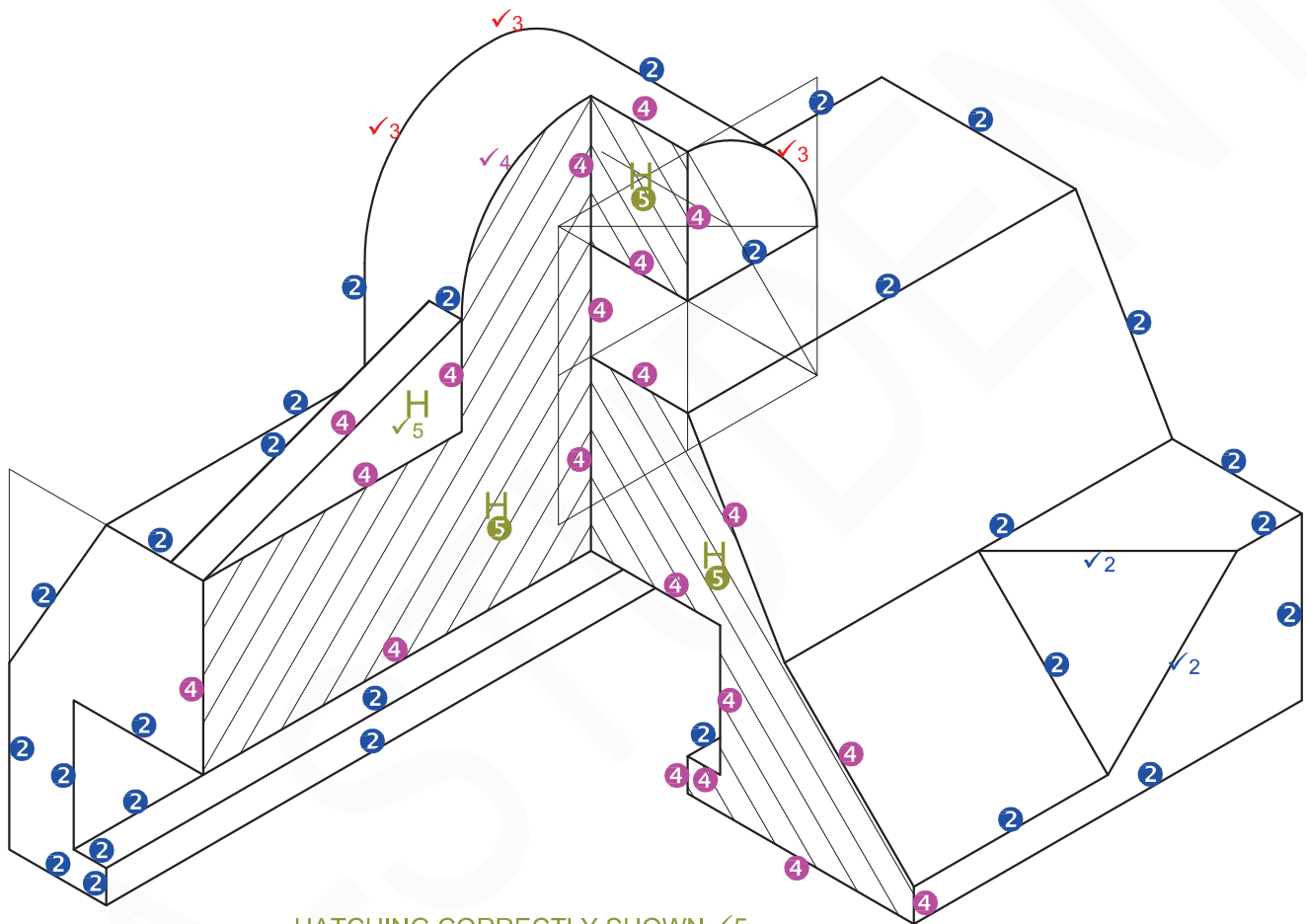


ASSESSMENT CRITERIA		
1	AUXILIARY VIEWS + PLACING	2
2	ISOMETRIC + NON-ISOMETRIC LINES	18 $\frac{1}{2}$
3	HEXAGON	12
4	CIRCLES + CONSTRUCTION + CENTRE LINES	7 $\frac{1}{2}$
PENALTIES (-)		
<b>TOTAL</b>		<b>40</b>

PAPER 2 QUESTION 3  
 GRADE 12  
 DBE/Feb.-Mar. 2016  
 MEMORANDUM

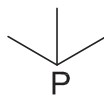


CIRCLE CONSTRUCTION ✓3✓3



HATCHING CORRECTLY SHOWN ✓5

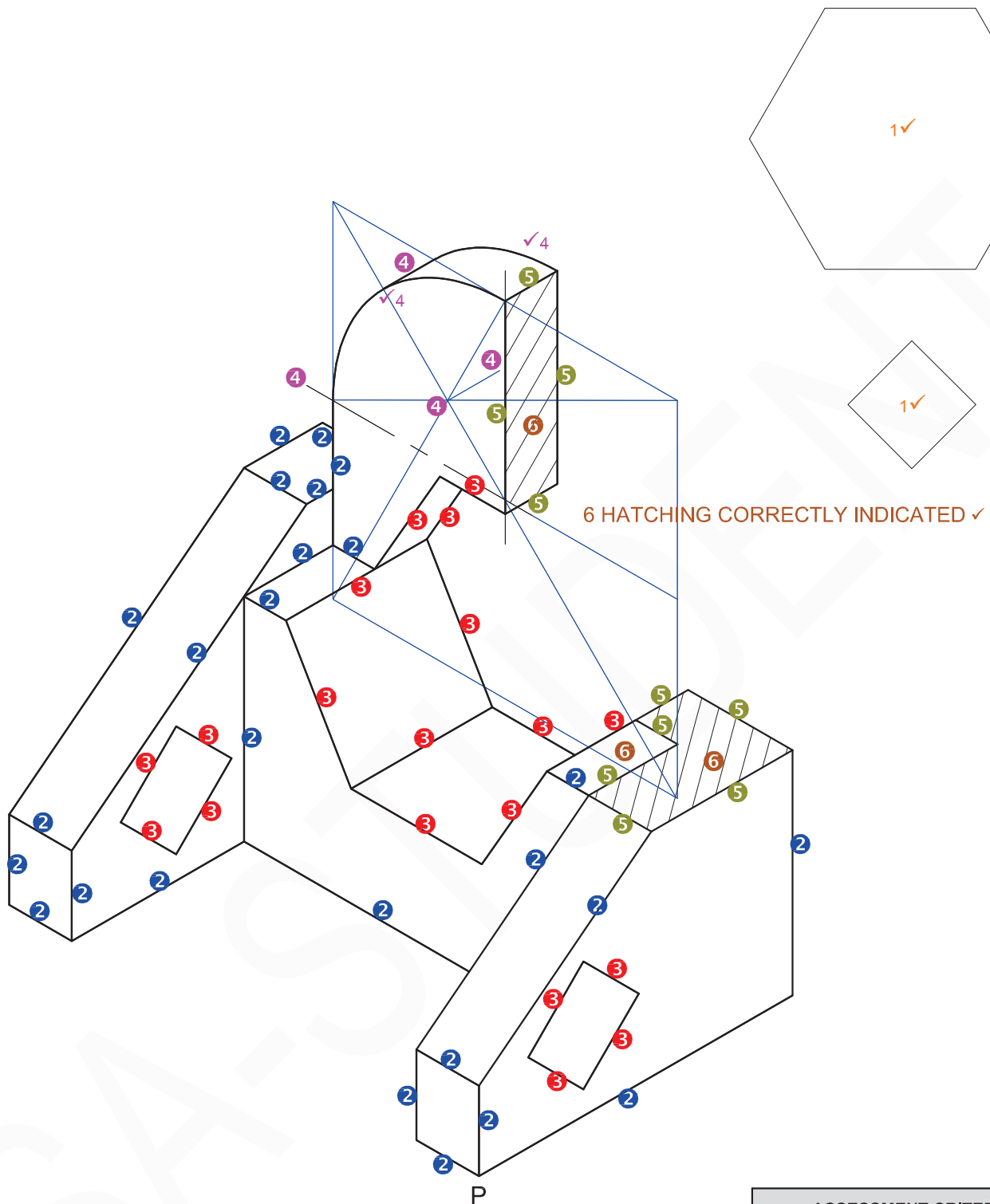
CORRECT PLACEMENT ON POINT P ✓1



ASSESSMENT CRITERIA		
1	AUX. VIEW + PLACING	3
2	ISOMETRIC + NON-ISOMETRIC LINES	16½
3	ISOMETRIC CIRCLES + CIRCLE CONSTRUCTION.	5
4	SECTIONED SURFACES	11
5	HATCHING	3½
PENALTIES (-)		
TOTAL		39

PAPER 2 QUESTION 3  
GRADE 12  
Feb.-Mar. 2015  
MEMORANDUM

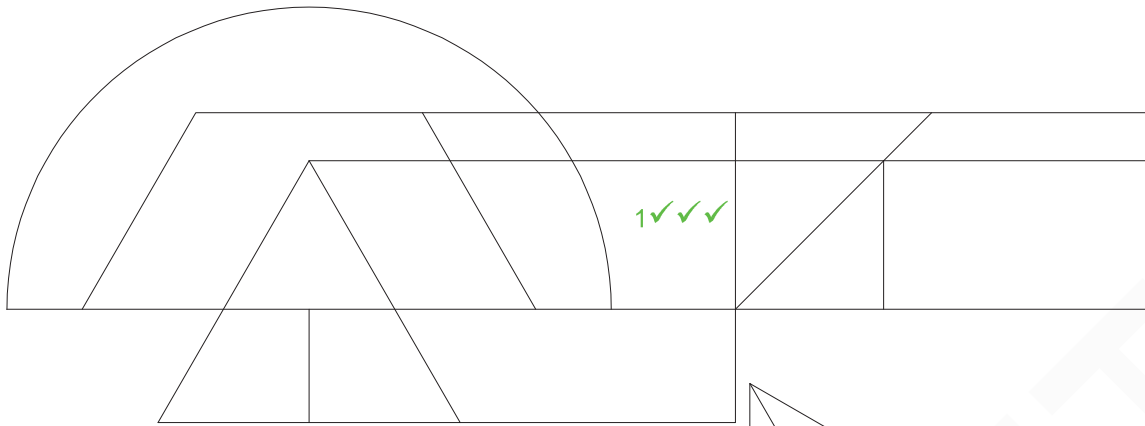




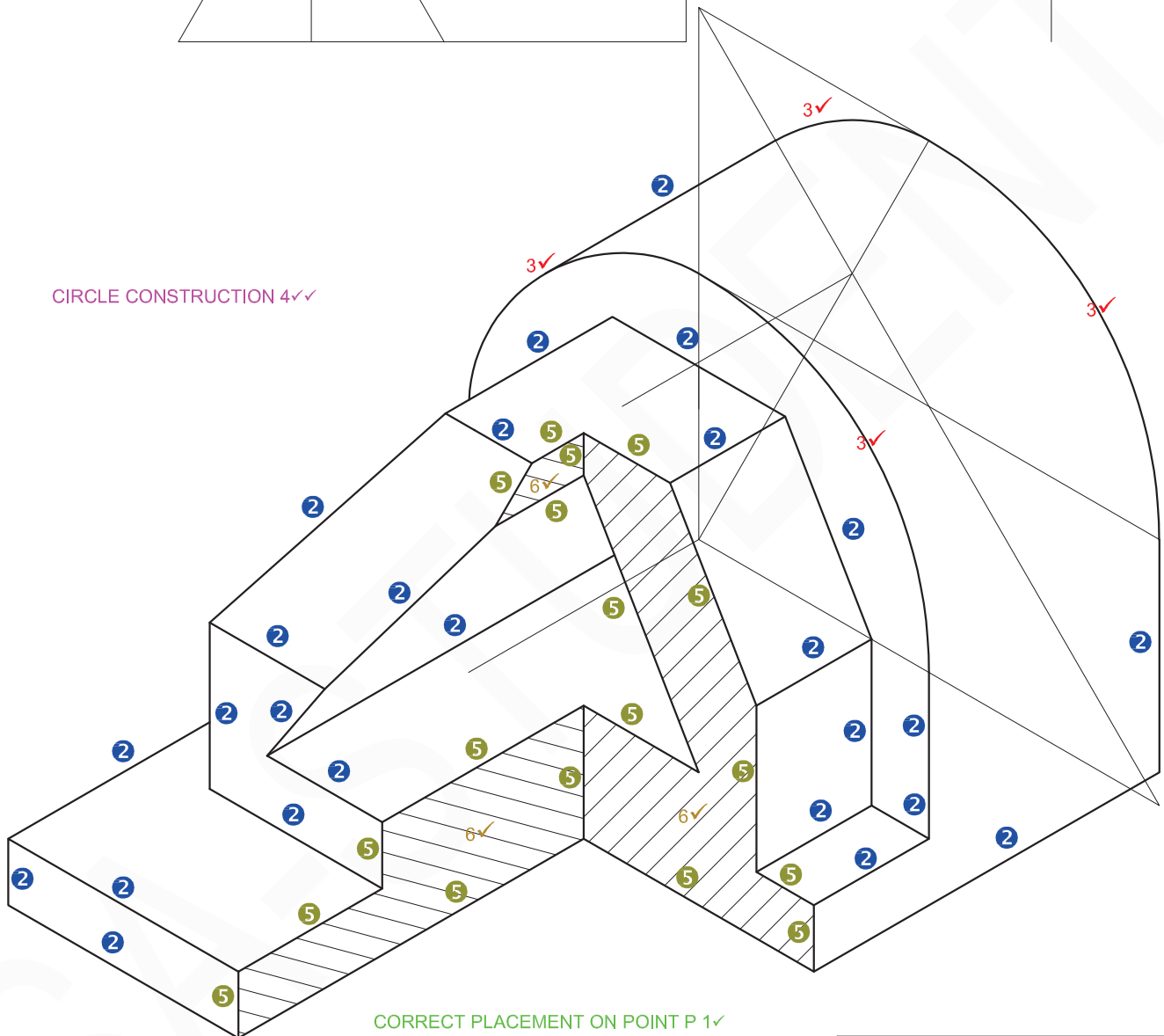
CORRECT PLACEMENT ON POINT P ✓

PAPER 2 QUESTION 3  
GRADE 12  
November 2014  
MEMORANDUM

ASSESSMENT CRITERIA		
1	AUX. VIEW + PLACING	3
2	ISOMETRIC + NON-ISO'	13
3	HEXAGON + SQUARES	9½
4	CIRCLES + CONST.	4
5	SECTION	5
6	HATCHING	2½
PENALTIES (-)		
TOTAL		37

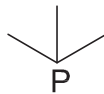


CIRCLE CONSTRUCTION 4✓✓



CORRECT PLACEMENT ON POINT P 1✓

HATCHING CORRECTLY SHOWN 6✓



PAPER 2 QUESTION 3  
GRADE 12  
EXEMPLAR 2014  
MEMORANDUM

ASSESSMENT CRITERIA		
1.	AUX. VIEW + PLACING	4
2.	ISOMETRIC + NON-ISOMETRIC LINES	13
3.	ISOMETRIC CIRCLES	4
4.	CIRCLE CONSTRUCTION	2
5.	SECTIONED SURFACES	9
6.	HATCHING	4
TOTAL		36

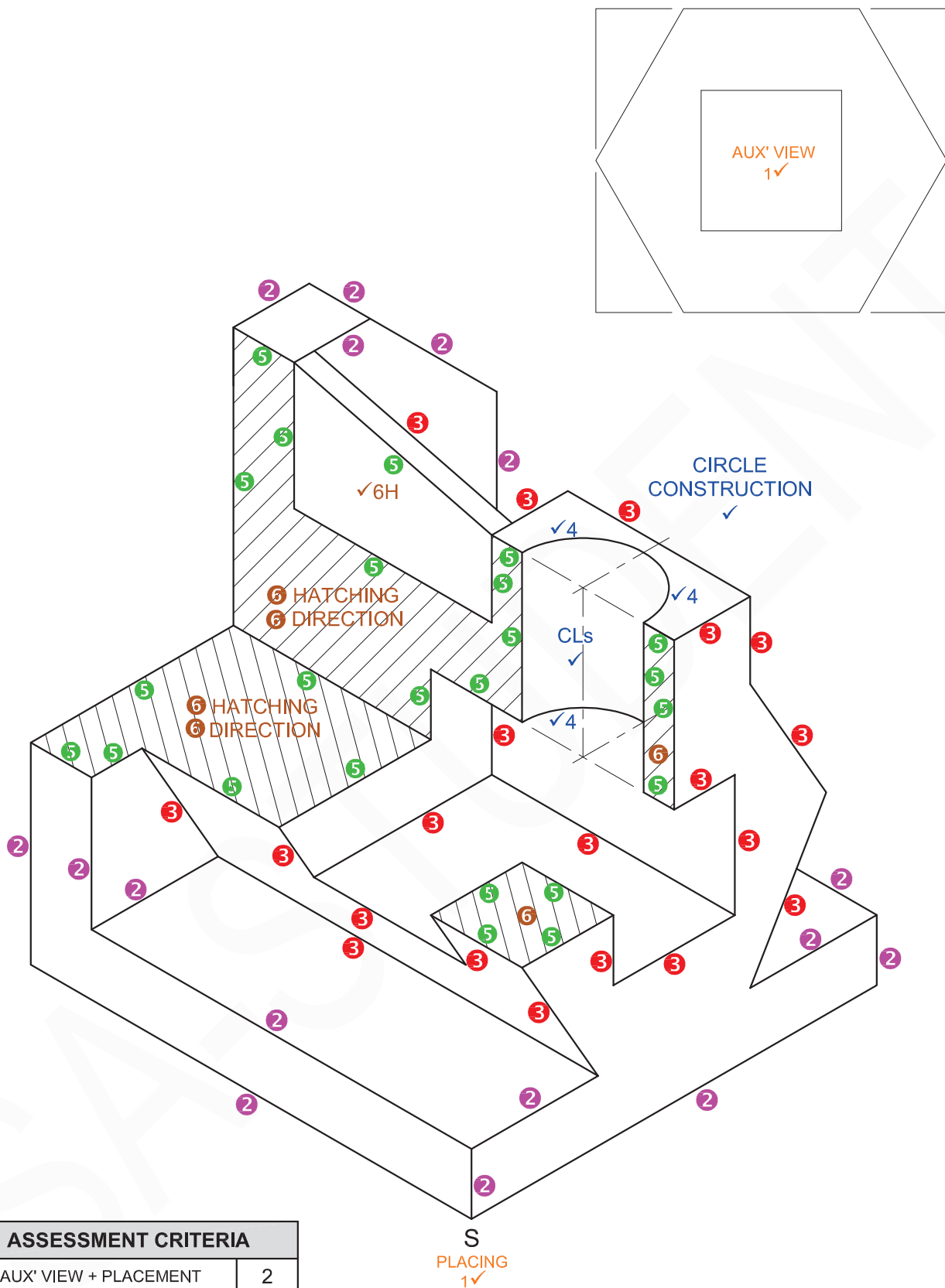
**CIRCLE CONSTRUCTION**  
✓✓4

**AUXILIARY**  
✓1

**S**  
**PLACING**  
✓1

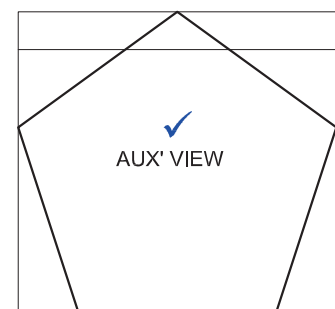
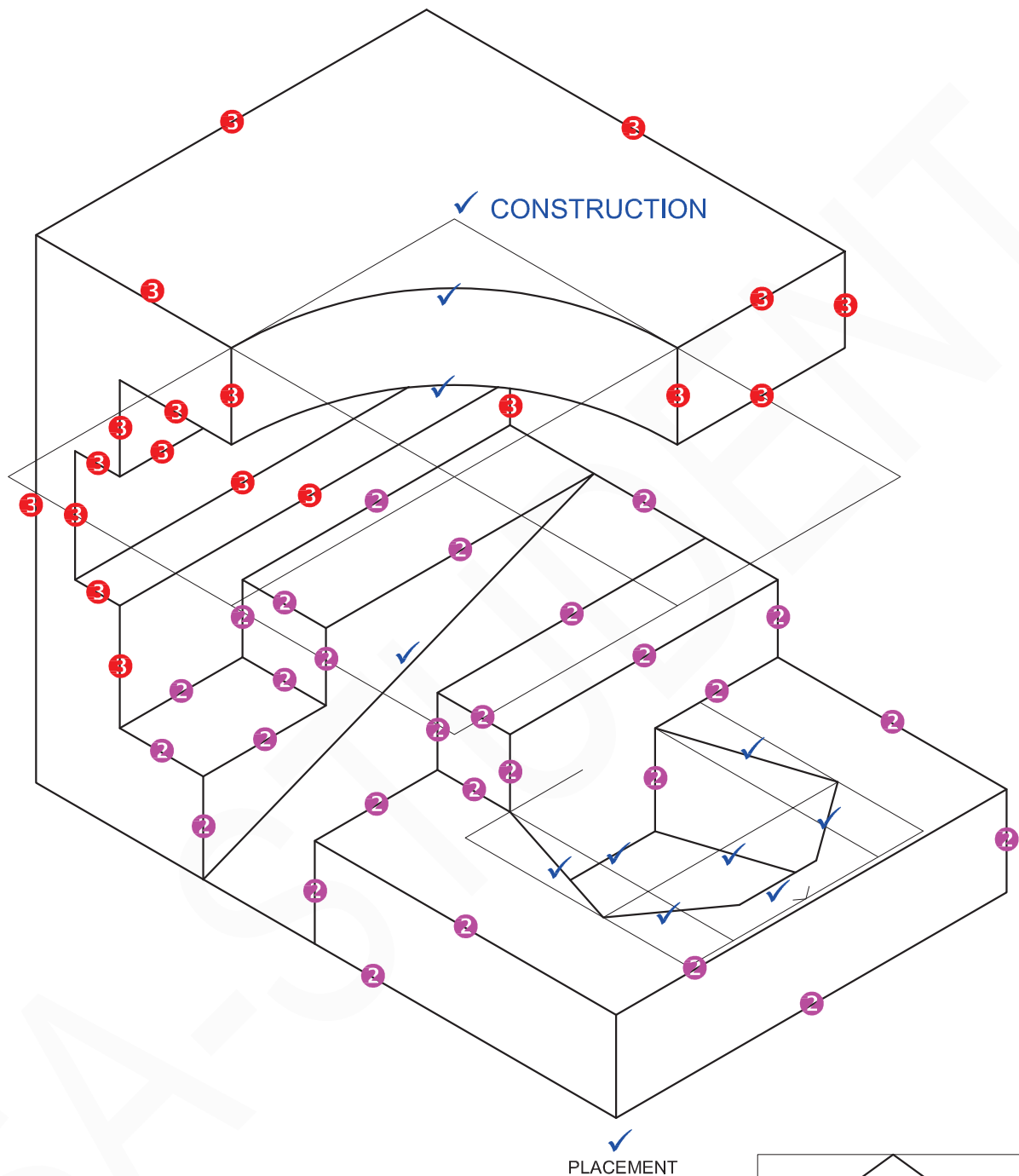
ASSESSMENT CRITERIA		
1	AUX. + PLACEMENT	2
2	FRONT	19
3	MIDDLE	14
4	CONSTR. + CIRCLE	6
<b>TOTAL</b>		<b>41</b>

PAPER 2 QUESTION 3  
GRADE 12  
FEB. - MAR. 2014  
MEMORANDUM

**ASSESSMENT CRITERIA**

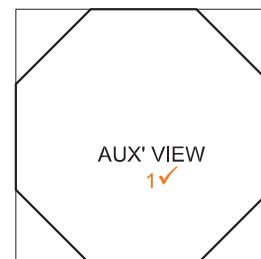
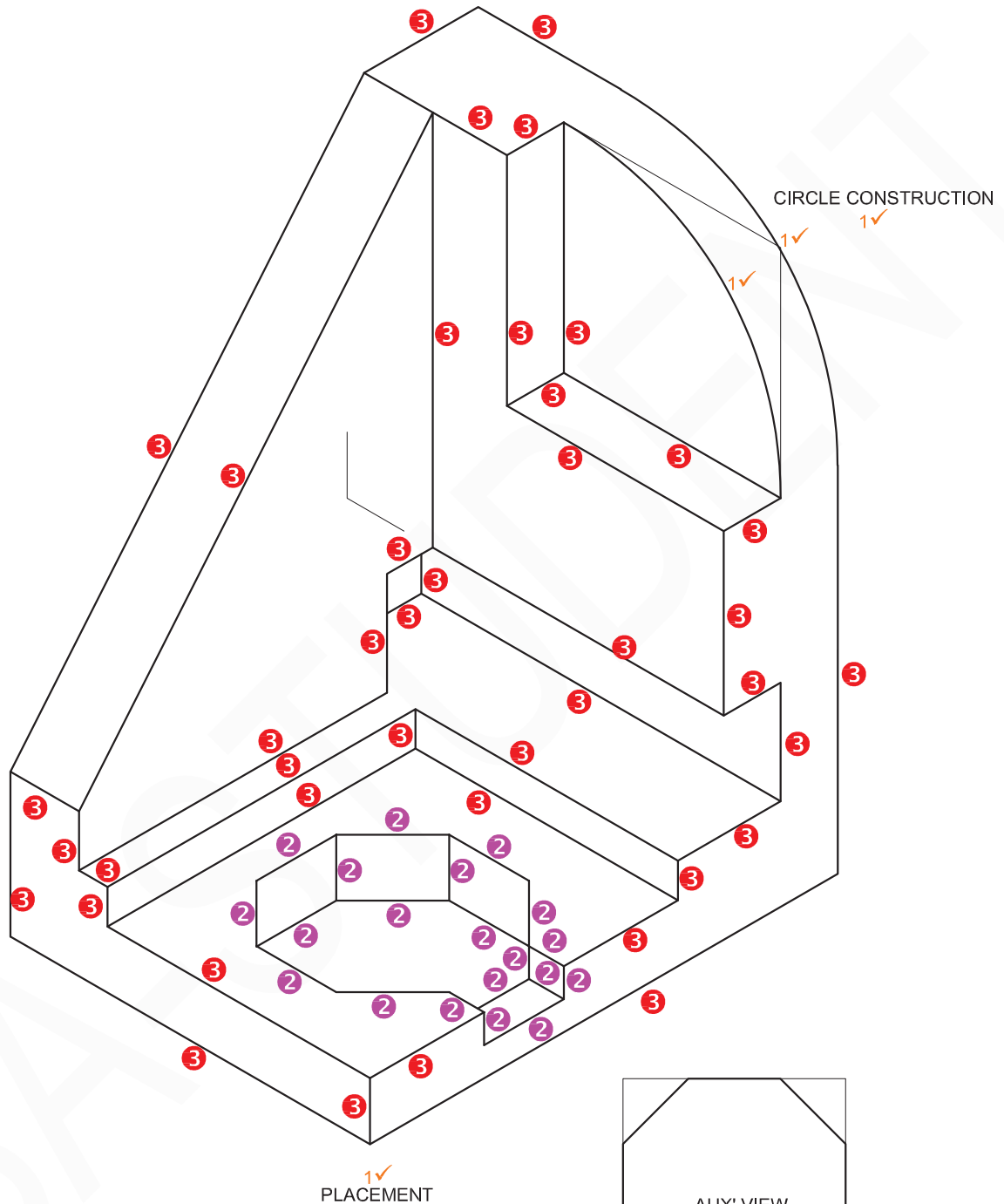
1	AUX' VIEW + PLACEMENT	2
2	BASE	8
3	HEXAGONAL PRISM	10
4	CIRCLES	5
5	SECTION	12
6	HATCHING	4
	<b>TOTAL</b>	<b>41</b>

PAPER 2 QUESTION 3  
 GRADE 12  
 November 2013  
 MEMORANDUM



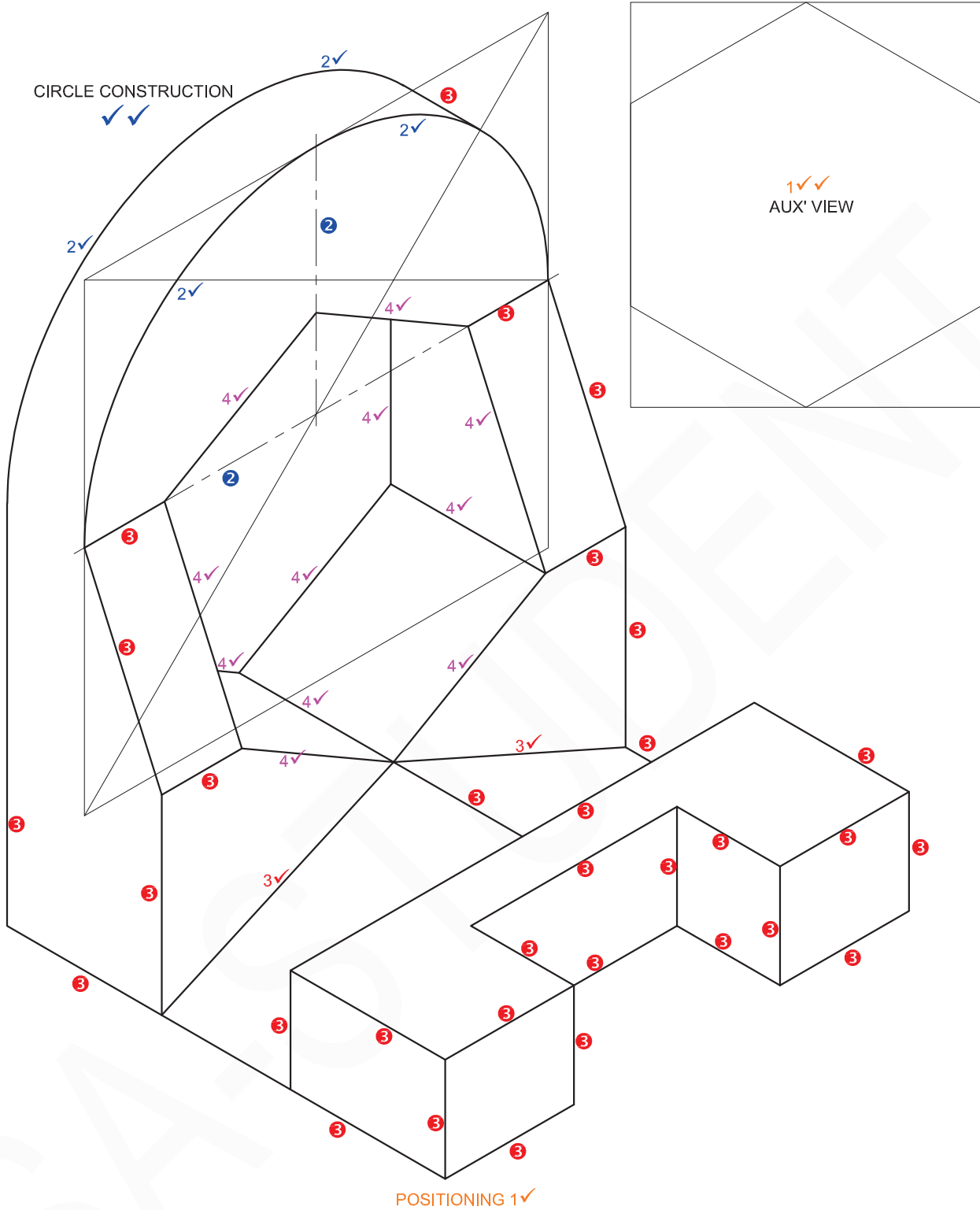
ASSESSMENT CRITERIA		
1	AUX' VIEWS + CIRCLE PENTAGON + PLACING	12
2	LOWER PORTION	15½
3	UPPER PORTION	9½
<b>TOTAL</b>		<b>37</b>

PAPER 2 QUESTION 3  
GRADE 12  
FEB. - MAR. 2013  
MEMORANDUM

**ASSESSMENT CRITERIA**

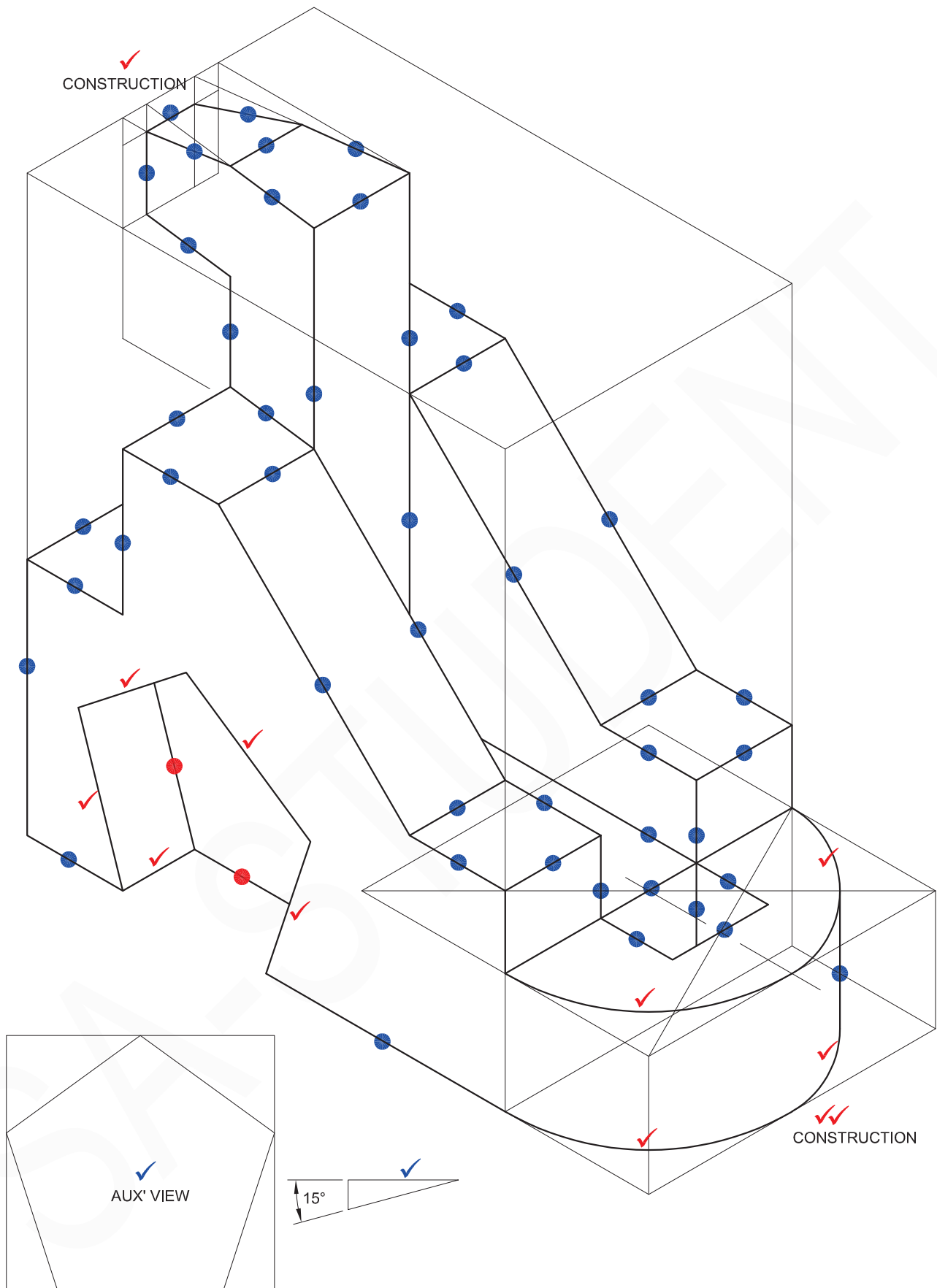
1	AUX' VIEWS + CIRCLE + CONSTR + PLACE	5
2	OCTAGONAL HOLE	10
3	ISO' + NON-ISO' LINES	21
<b>TOTAL</b>		<b>36</b>

PAPER 2 QUESTION 3  
GRADE 12  
NOVEMBER 2012  
MEMORANDUM

**ASSESSMENT CRITERIA**

1. AUXILIARY VIEW + PLACEMENT + CIRCLE CONSTRUCTION	5
2. ISO' CIRCLES + CENTRE LINES	5
3. ISO + NON-ISO' LINES	18
4. HEXAGON	11
<b>TOTAL</b>	<b>39</b>

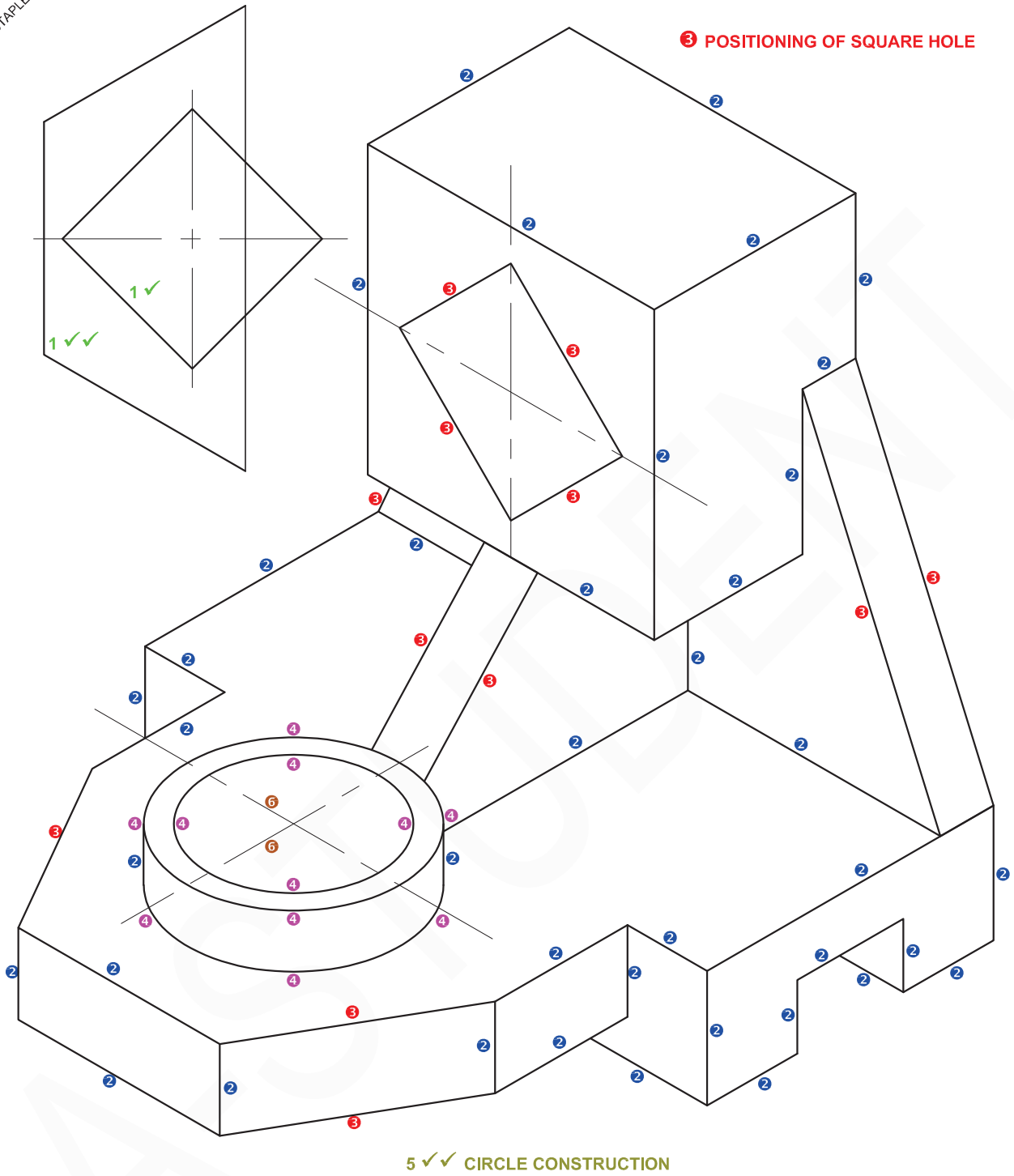
PAPER 2 QUESTION 3  
GRADE 12  
Feb.-Mar. 2012  
MEMORANDUM

**ASSESSMENT CRITERIA**

AUXILIARY VIEW + CIRCLE CONST' PLACEMENT	6
ISO' ARCS + PENTAGONAL HOLE	11
ISO' AND NON-ISO' LINES	23
<b>TOTAL</b>	<b>40</b>

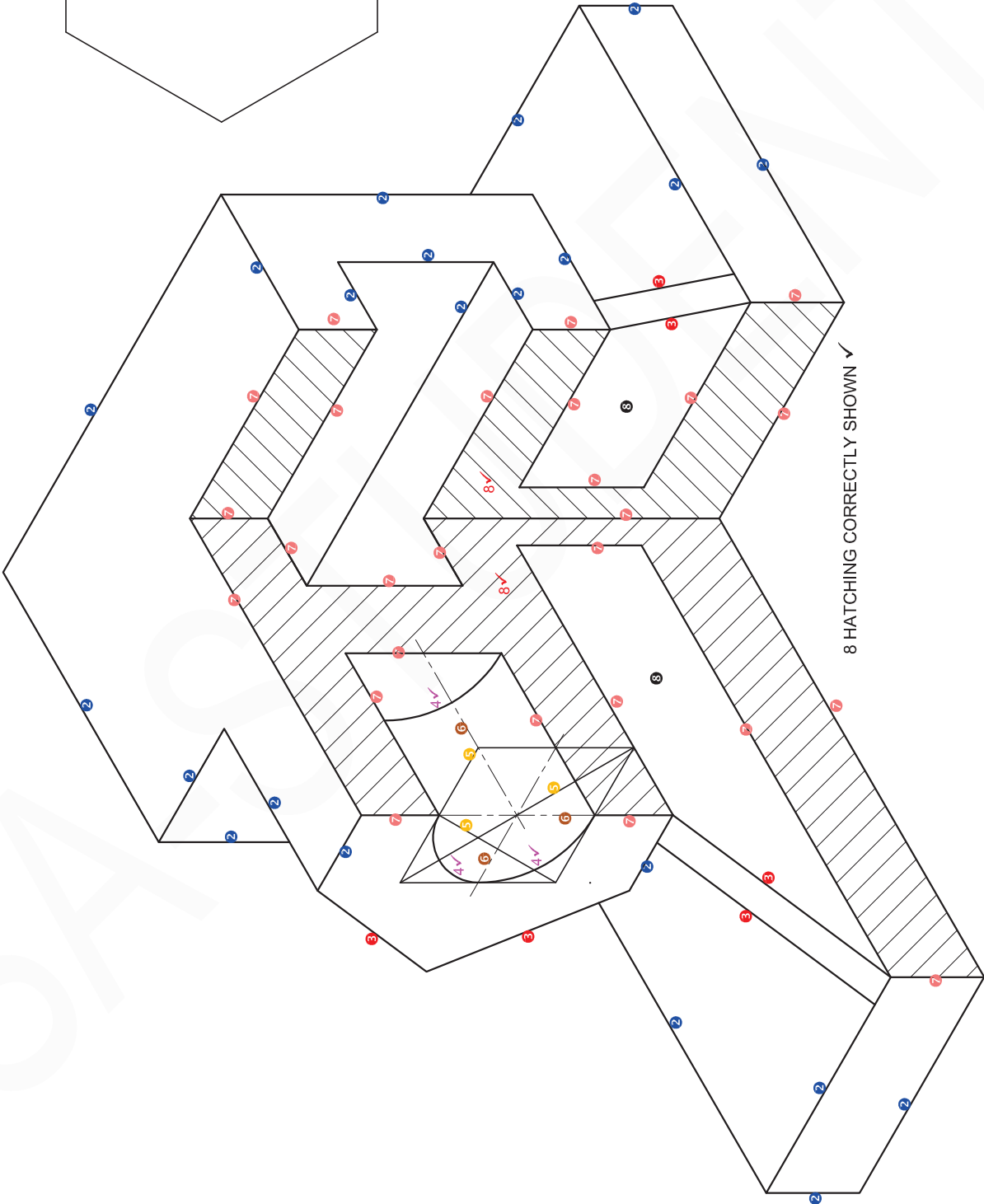
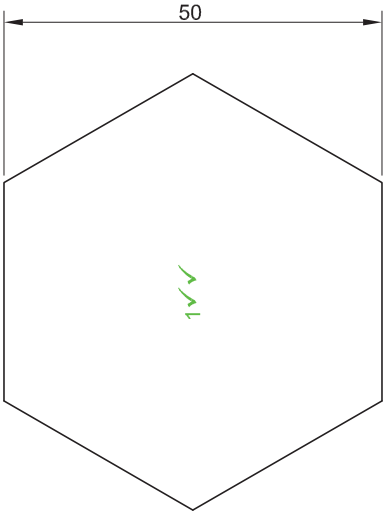
PAPER 2 QUESTION 3  
GRADE 12  
NOVEMBER  
MEMORANDUM



 STAPLE
**ASSESSMENT CRITERIA**

1. AUX. VIEW + PLACING	4
2. ISOMETRIC LINES	20
3. NON-ISOMETRIC LINES	6½
4. ISOMETRIC CIRCLES	5½
5. CIRCLE CONSTRUCTION	2
6. CENTRE LINES	1
<b>TOTAL</b>	<b>39</b>

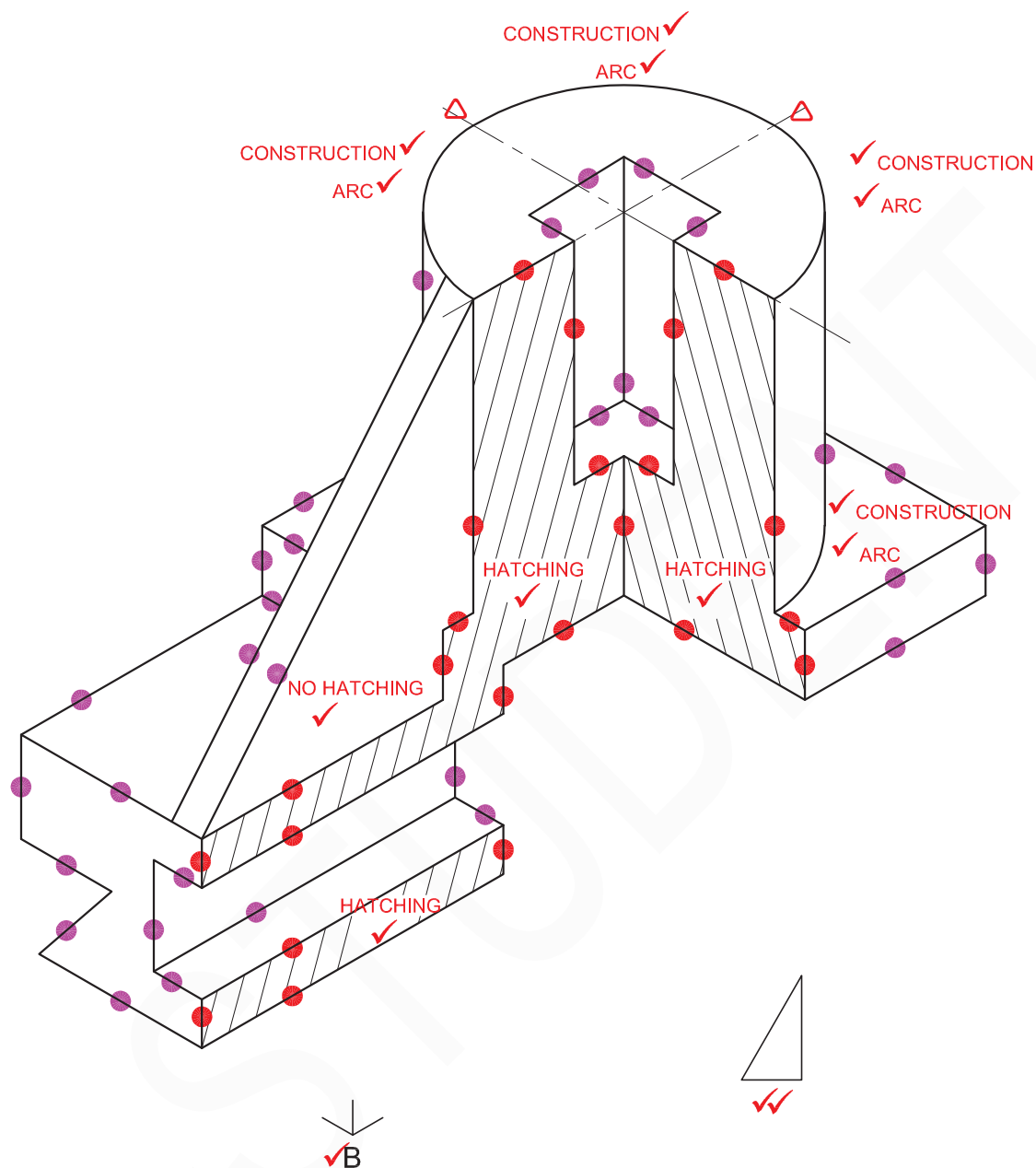
PAPER 2 QUESTION 3  
GRADE 12  
FEBRUARY/MARCH 2011  
MEMORANDUM



8 HATCHING CORRECTLY SHOWN ✓

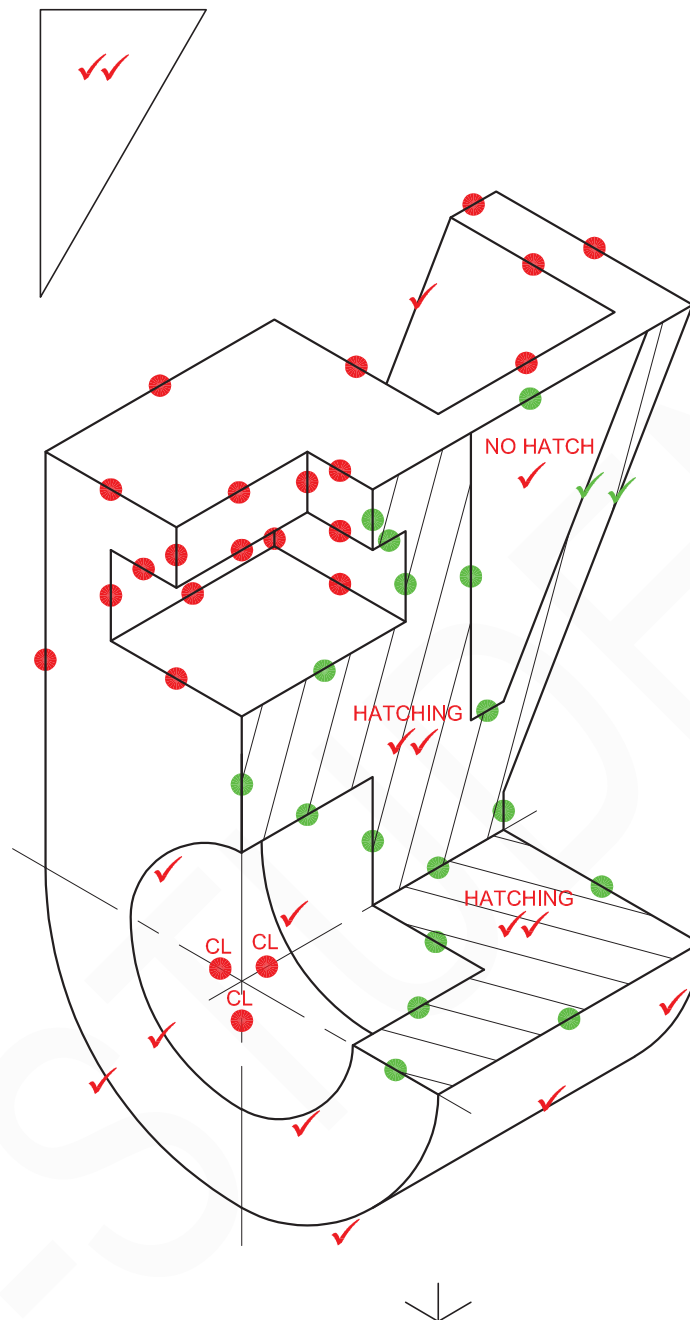
1 CORRECT PLACEMENT ON POINT B ✓

ASSESSMENT CRITERIA	
1. AUX. VIEW + PLACING	3
2. ISOMETRIC LINES	11
3. NON-ISOMETRIC LINES	3
4. ISOMETRIC CIRCLES	3
5. CIRCLE CONSTRUCTION	1½
6. CENTRE LINES	1½
7. SECTIONED SURFACES	13
8. HATCHING	4
TOTAL	40

**ASSESSMENT CRITERIA**

AUXILIARY VIEW + PLACING	3
ISO' CIRCLES + CONSTR' + CENTRE LINES	9
ISO' + NON-ISO' LINES	15½
SECTIONED SURFACES	11½
HATCHING/NO HATCHING	4
<b>TOTAL</b>	<b>43</b>

PAPER 2 QUESTION 3  
 GRADE 12  
 FEBRUARY/MARCH 2010  
 MEMORANDUM

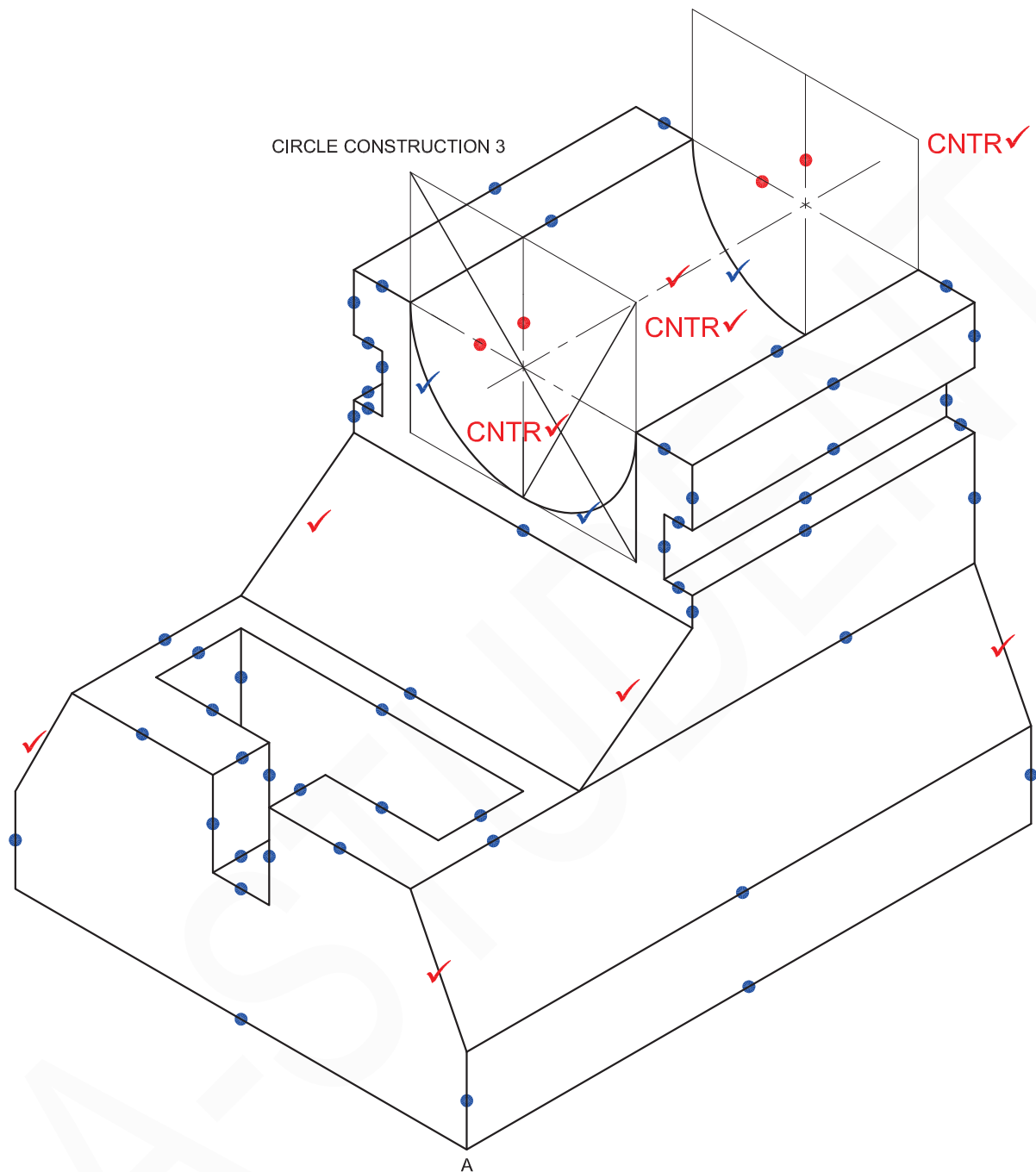


CIRCLE CONSTRUCTION 5

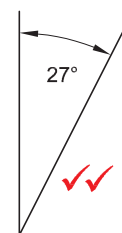
**ASSESSMENT CRITERIA**

CONSTRUCTION + AUXILIARY + B	= 8
ISO CIRCLES + CENTRE LINES	= 8½
ISO + NON-ISO LINES	= 12
SECTIONED SURFACES	= 10½
HATCHING	= 5
<b>TOTAL</b>	<b>= 44</b>

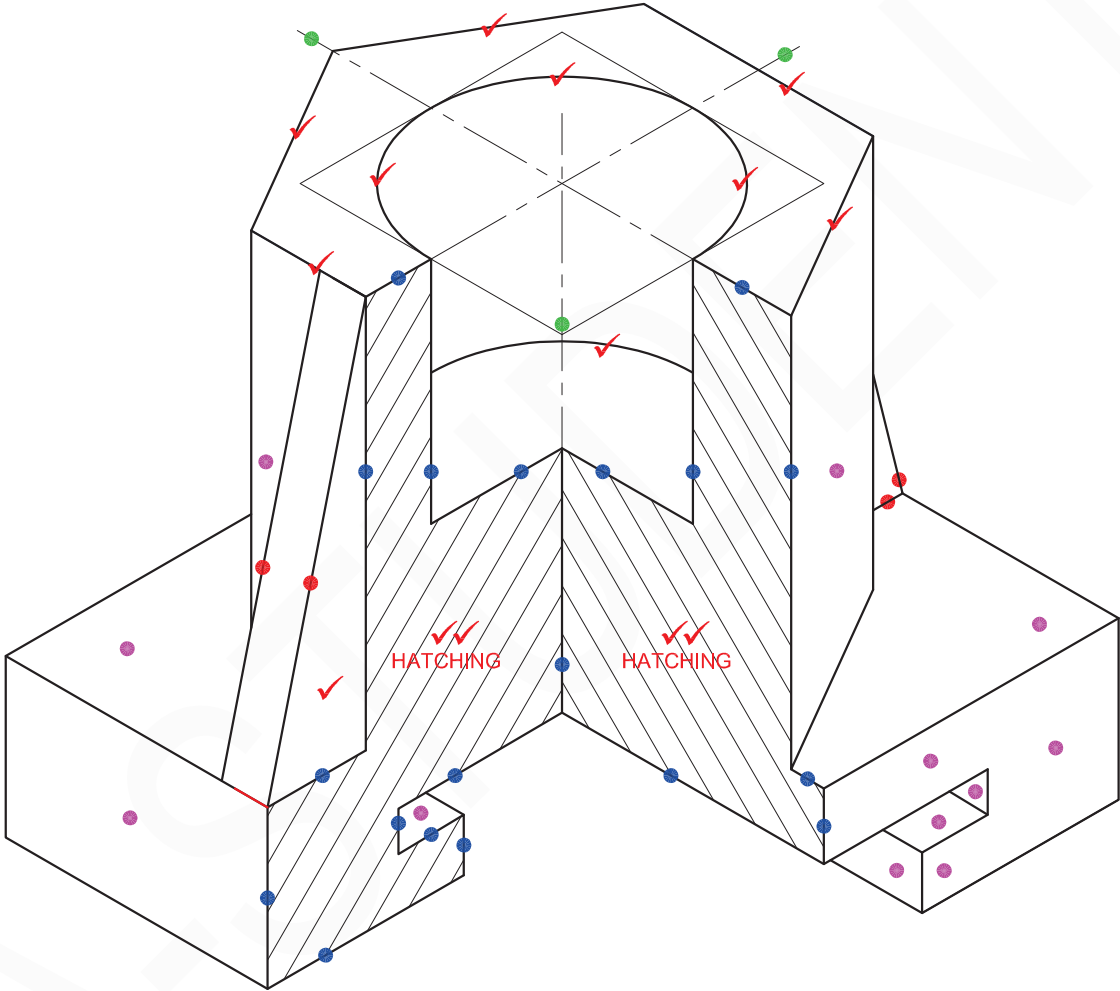
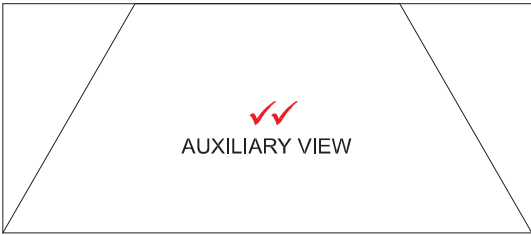
PAPER 2 QUESTION 3  
GRADE 12 NOVEMBER 2009  
MEMORANDUM

**ASSESSMENT CRITERIA**

AUXILIARY VIEW	=	2
ISOMETRIC LINES	=	26
NON-ISOMETRIC LINES	=	5
ISOMETRIC CIRCLES	=	3
CIRCLE CONSTRUCTION	=	3
CENTRE LINES	=	3
PLACING ON A	=	1
<b>TOTAL</b>	<b>=</b>	<b>43</b>



PAPER 2 QUESTION 3  
GRADE 12  
FEBRUARY/MARCH 2009  
MEMORANDUM

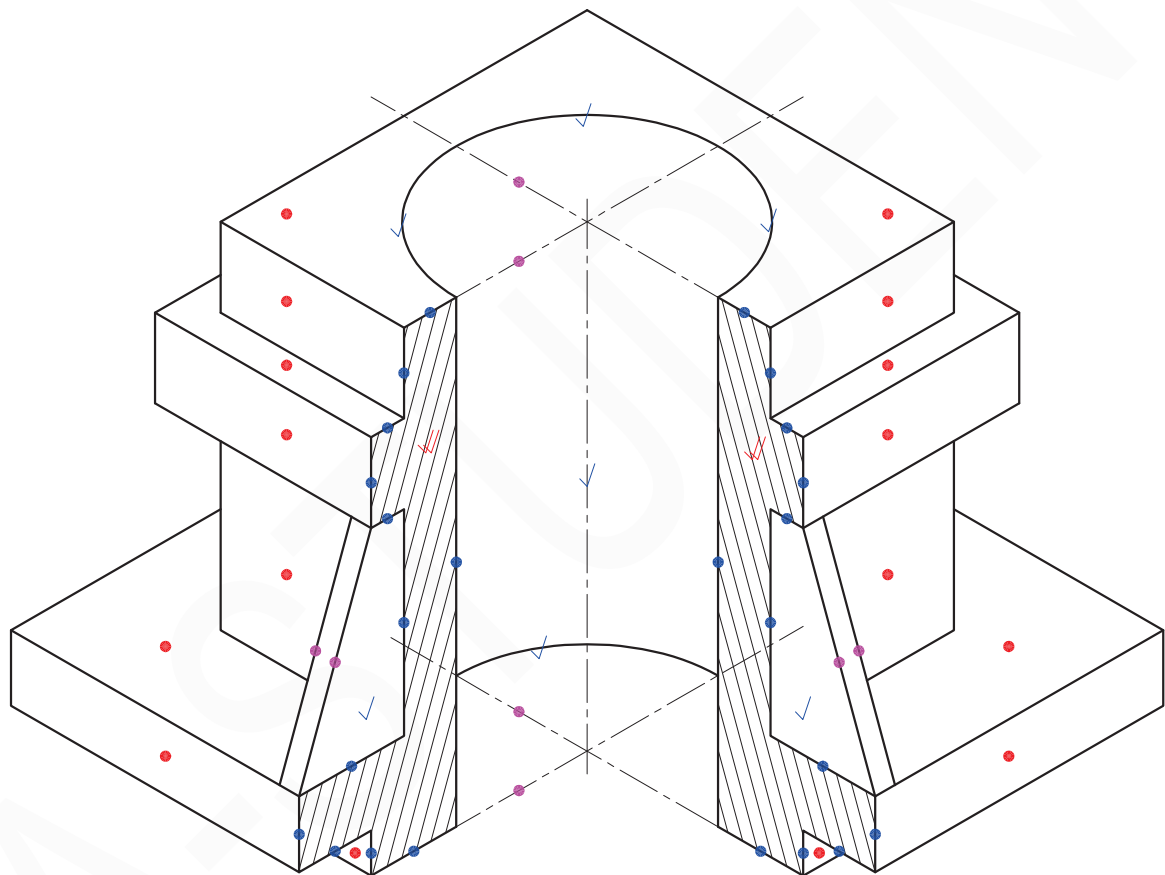
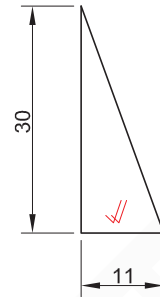


↓  
A

**ASSESSMENT CRITERIA**

AUXILIARY VIEW	= 2
ISOMETRIC SURFACES	= 6
NON-ISOMETRIC LINES	= 2
SECTIONED SURFACE	= 9½
ISOMETRIC CIRCLES	= 4
CIRCLE CONSTRUCTION	= 3
HATCHING	= 5
CENTRE LINES	= 1½
HEXAGON	= 5
PLACING ON A	= 2
<b>TOTAL</b>	<b>= 40</b>

QUESTION 3 PAPER 2  
GRADE 12 NOVEMBER 2008  
MEMORANDUM

**ASSESSMENT CRITERIA**

AUXILIARY VIEW	= 2
ISOMETRIC SURFACES	= 8
NON-ISOMETRIC LINES	= 2
SECTION	= 12
ISOMETRIC CIRCLES	= 4
CIRCLE CONSTRUCTION	= 4
HATCHING	= 6
CENTRE LINES	= 2
<b>TOTAL</b>	<b>= 40</b>

2008 GRADE 12  
PAPER 2  
EXEMPLAR  
QUESTION 3  
MEMORANDUM