

# 2012 Calculation Exam Answers

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## Section 1

### Question 1

a. *Hand Calculations*

MC 17 Libra 45  
 11<sup>th</sup> 23 Scorp 08  
 12<sup>th</sup> 27 Sag 53  
 ASC 28 Cap 46  
 2<sup>nd</sup> 20 Aqua 43  
 3<sup>rd</sup> 16 Pisc 30

*Computer Calculation*

MC 17 Libra 45  
 11<sup>th</sup> 23 Scorp 06  
 12<sup>th</sup> 27 Sag 50  
 ASC 28 Cap 42  
 2<sup>nd</sup> 20 Aqua 41  
 3<sup>rd</sup> 16 Pisc 29

b. MC 6 Gem 13  
 11<sup>th</sup> 12 Canc 15  
 12<sup>th</sup> 14 Leo 31  
 ASC 10 Virg 56  
 2<sup>nd</sup> 3 Libra 37  
 3<sup>rd</sup> 2 Scorp 03

MC 6 Gem 09  
 11<sup>th</sup> 12 Can 21  
 12<sup>th</sup> 14 Leo 24  
 ASC 11 Virgo  
 2<sup>nd</sup> 3 Libra 32  
 3<sup>rd</sup> 1 Scorp 54

### Question 2

*Hand Calculations*

Sun 26 Pisc 01

Mercury 21 Libra 54

Venus 25 Virgo 27

Mars 9 Cancer 16 retrograde

Moon 1 Aries 36

*Computer Calculations*

Sun 26 Pisc 02

Mercury 21 Libra 53

Venus 25 Virgo 23

Mars 9 Cancer 16 retrograde

Moon 1 Aries 36

# Section 2

## Q1

**Ian Thorpe**  
**Male Chart**  
 13 Oct 1982, Wed  
 10:52 am AEST -10:00  
 Paddington Hosp NSW  
 33°S53'05" 151°E13'30"  
*Geocentric*  
*Tropical*  
*Placidus*  
*True Node*

Aspect Grid

	☾	☉	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐
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### Q2. Aspect Patterns

T-square: Moon, Chiron & Uranus  
 Yod: Chiron, Neptune, Saturn / Pluto  
 Stellium: Sun, Saturn, Pluto [can include Venus here]

### Q3. Angular Planet = Mercury

### Q4. Planet in dignity /rulership =Venus in Libra

### Q5 Near midpoint of the Moon & Mars:

Solar Fire: 22 Libra 42

Hand: Moon = 29 Leo 15 = 149♌15

+ Mars = 16 Sag 08 = 256♏08

= 405♌23 divided by 2 = 202♌41.5 = 22 Libra 41

### Q6. Vertex:

Solar Fire: 3 Gemini 07

Hand : Colatitude = 90 - 33♌53 = 56♌07. For southern latitudes find the closest degree on the IC using the Placidus Table of Houses for the Southern Hemisphere = either 5 Aries 27 [actual IC is 5 Aries]. . Read down to the co-latitude of 56. The position of the ASC = Vertex. = 2 Gemini 54.

**Q7 Lunation Phase**

Solar Fire: lunar phase =  $309^{\circ}54'$  = **Last Quarter**

Hand : Moon = 29 Leo 15 =  $149^{\circ}15'$  [add 360 =  $509^{\circ}15'$ ]

- Sun = 19 Libra 22 =  $199^{\circ}22'$

=  $309^{\circ}53'$  minutes = **Last Quarter Moon**

**Q8. Diurnal Part of Fortune:**

Solar Fire: **29 Scorpio 31**

Hand Calculation: ASC = 19 Cap 37 =  $289^{\circ}37'$

+ MOON = 29 Scorp 15 =  $149^{\circ}15'$

=  $438^{\circ}52'$

- SUN = 19 Lib 24 =  $199^{\circ}24'$

=  $239^{\circ}28'$  = **29 Scorpio 28**

**Section 3**

**Q1. Calculate a monthly Secondary Progressed Moon table for Ian for twelve months, starting from January 29 2012 to the nearest 30 minutes of arc.**

Solar Fire Positions of the Progressed Moon for 29 Sep 2012 = 6 Libra 13 & 29 January 2012 = 27 Virgo 20 .

**Hand Calculation**

Equation: ACD: 29 September 1982 = GMT DOB = 13 October 1982

1. Find the number of days you need to add to the GMT DOB by subtracting the ACD year from 2012 = **30**.

2. Add this to the GMT DOB = 12 November 1982.

3. The Moon degree from this line in the Ephemeris is **6 Libra 13**. This is the position of the progressed Moon on **29 September 2012**. [confirmed with Solar Fire]

4. Find how fast the Moon has moved. Subtract the Moon position from a day earlier to the Moon degree at the ACD

= 6 Libra 13 or  $186^{\circ}13'$

22 Virgo 52 -  $172^{\circ}52'$

=  $3^{\circ}21'$  and divide this by 12 to get the monthly adjustment

=  $1^{\circ}07'$  minutes

4. Create the Moon Table by adding  $1^{\circ}07'$  to the dates after September and subtracting it from the dates before.

January 29 = 27 Virgo 17

February 29 = 28 Virgo 24

March = 29 Virgo 31

April = 0 Libra 38

May = 1 Libra 45

June = 2 Libra 52

July = 3 Libra 59

August = 5 Libra 06

**September 29 = 6 Libra 13**

October = 7 Libra 20

November = 8 Libra 27

December = 9 Libra 34

**Q2. How old will Ian be when he experiences his second progressed New Moon? Give the sign and degrees.**

**ANSWER = Age 33 at 22 Scorpio 56 (Solar Fire = 22 Scorpio 55 ; Ephemeris 22 Scorpio 56)**  
Solar Fire: May 18 2016 [Ian is 33 and turns 34 on October 13 that year.]

Method: Look in the Ephemeris to find the second date after birth for a New Moon = 15 November 1982 at 22 Scorpio 27. Count the days from the GMT DOB = 33 days. [Note : Subtract one only if the ACD is the year before birth – no need ]

**Q3. How old will Ian be when his progressed Sun conjuncts Uranus?**

**ANSWER = Age 42**

Solar Fire: 22 August 2025 when Ian will be 42. [He turns 43 on October 13]

Method: Look down the Sun column of the Ephemeris to find the day when the Sun will reach the degrees of Uranus – 2 Sag 17. This occurs on 24 November 1982, 42 days after the GMT DOB. [Note: No need to subtract one as the ACD is the same year as birth]

**Q4 How old will Ian be when solar arc Venus conjuncts Jupiter?**

**ANSWER = 30**

[Solar Fire gives the exact date as 1 March 2013]

**Note:** No need for step 4 as the ACD is the same year as birth.

<b>STEP 1:</b> To form the specified aspect S.A. must reach <b>Jupiter</b> at	14 <sup>7</sup> 02	= 224 <sup>8</sup> 02.....
<b>Subtract</b> natal position of S.A. planet	<b>Venus</b> is 13 <sup>8</sup> 42	= 193 <sup>8</sup> 42.....
Solar Arc planet must reach this position to form this aspect		= <b>30<sup>8</sup> 20</b> .....

<b>STEP 2:</b> Natal Sun position	19 <sup>8</sup> 22	= 199 <sup>8</sup> 22
<b>Add</b> Solar Arc answer – step 1		+ 30 <sup>8</sup> 20
Required Sun position		= 229 <sup>8</sup> 42
		= <b>19 Scorpio 42</b>

**STEP 3**Check position of required Solar Arc Sun in ephemeris **by counting down from GMT DOB as 0** to give you the age. = **30**

**STEP 4:**If required do ACD adjustment by subtracting one year if ACD falls in the year before!  
# If ACD is before birthday in same year – stay in that year and do not subtract a year!

**Q5. GMT dates for Jupiter opposing Mars at 16 Sag 08:**

- 22 September 2012
- 16/17 October 2012
- 24 April 2013.

**Q6 Using 1 degree orb when transiting Uranus conjuncts Ian's IC**

*Natal IC= 5 Aries 58 so from 4 Aries 58 to 6 Aries 58*

- A 1 or 2 April 2012 to 10 May 2012  
 19 September 2012 to 14 November 2012  
 11 January 2013 to 1st / 2<sup>nd</sup> March 2013.

**Q7 List exact GMT dates when Ian experiences his first Saturn Return**

*Natal Saturn = 24 Libra 27*

- A 19 November 2011:  
 9 May 2012:  
 10 August 2012

**Q8 List the GMT dates and zodiacal degrees of all Solar and Lunar Eclipses for 2013.**

- A Solar = 10 May 19 Taurus 31;  
 3 November 11 Scorpio 16  
 Lunar= 25 April 5 Scorpio 46;  
 25 May 4 Sag 08; 1  
 18 October 25 Aries 45

**Q9 In 2011 Ian had a Lunar Eclipse and a Solar Eclipse conj. which planets? What were the GMT dates?**

- A Lunar Eclipse conj Neptune **15 June 2011**  
 Solar Eclipse conj Uranus 25 November 2011

**Q10 Calculate the ACD for a person born at 2pm on 28<sup>th</sup> June, 1999 in Sydney Australia**

- A Local time of birth= 2pm = 14 00 00  
 Minus Time Zone - 10 00 00  
 GMT time 4 00 00

Sidereal time from ephemeris = 18 22 36  
 Subtract GMT time - 4 00 00  
 ACD Sidereal time =14 22 36

Turn back in ephemeris to this time

**ACD Date = 27/28 April 1999**

**will accept both depending on ephemeris**