

CALCULATION EXAM 2014: ANSWERS

SECTION 1 - Total 30 marks

Q1 Calculate the House cusps to within a degree for the following two sets of data:

9 Mar 1954, 4.05pm, Athens, Greece

37N48 023E43

Standard Time Zone: -2 hours (East of Greenwich)

No Daylight Savings

Hand Calculations: Closest Sidereal Time using Southern Placidus Tables is [not interpolated]
14 hours 48 minutes.

MC = 14 Taurus 28

11 = 19 Gemini 24

12 = 22 Cancer 14

ASC = 21 Leo13

2 = 14 Virgo 2

3 = 11 Aries 44

Hand Calculations interpolated

MC = 14 Taurus 10

11 = 19 Gemini 08

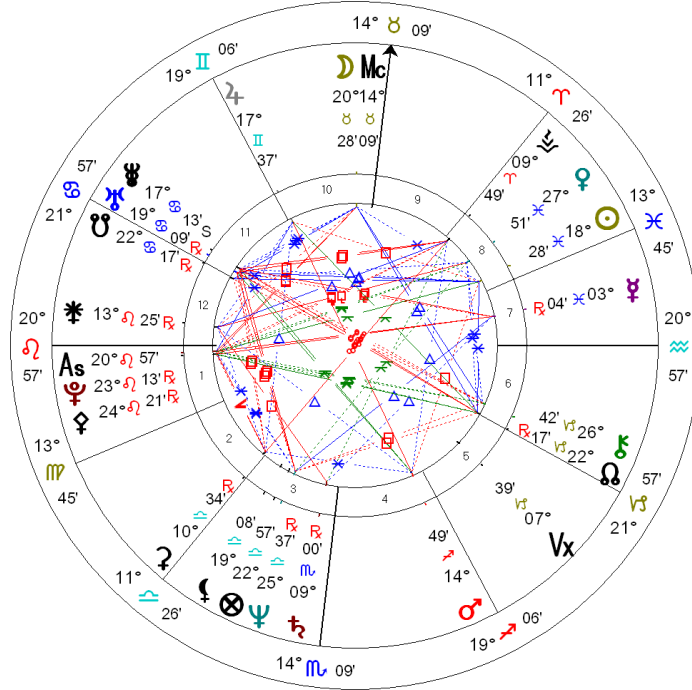
12 = 22 Cancer

ASC = 21 Leo

2 = 13 Virgo 47

3 = 11 Libra 28

2014 Exam: Greece
 Natal Chart
 9 Mar 1954, Tue
 4:05 pm EET -2:00
 Athens, Greece
 37°N58' 02"E43'
 Geocentric
 Tropical
 Placidus
 True Node



(b) 16 Jan 2013, 6.15pm, Melbourne, Victoria

37S49 144E58

Standard Time Zone - 10 hours (East of Greenwich)

Daylight Savings

Hand Calculations: Closest Sidereal Time using Southern Placidus Tables[not interpolated] 0 hours 40 minutes.

MC = 10 Aries 53

11 = 8 Taurus 32

12 = 0 Gemini 55

ASC = 21 Gemini 15

2 = 26 Cancer 26

3 = 5 Virgo 43

Hand Calculations interpolated

MC = 10 Aries 29

11 = 8 Taurus 11

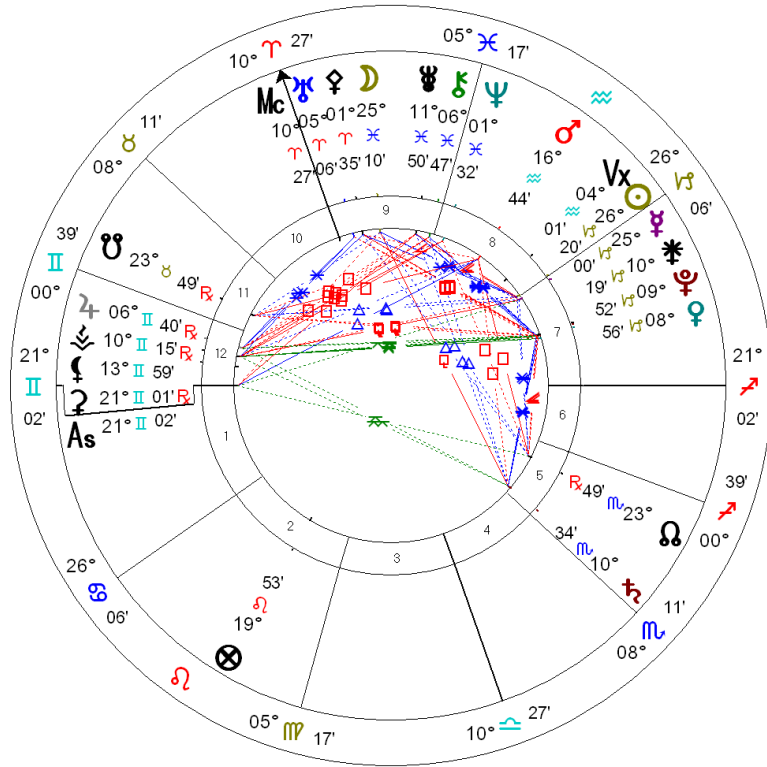
12 = 0 Gemini 35

ASC = 20 Gemini 56

2 = 26 Cancer 02

3 = 5 Virgo 16

2014 Exam: Melbourne
 Natal Chart
 16 Jan 2013, Wed
 6:15 pm AEDT-11:00
 Melbourne, AUSTR
 37°S49' 144°E58'
 Geocentric
 Tropical
 Placidus
 True Node



Calculate the longitudinal positions of the following planets to within 30 minutes of zodiacal longitude. All data below is in GMT.

- Q2
1. **Sun:** **21 Dec 1984** **3.30 pm**
 Hand calculation: 29 Sag 57
 Solar Fire: 29 Sag 58

2. Moon 26 May 2014 11.51 am

Hand calculation: 7 Taurus 51

Solar Fire: 7 Taurus 54

3. Mercury: 20 June 2014 11.20 pm

Hand calculation: 27 Gemini 59 Retrograde

Solar Fire: 27 Gemini 59 Retrograde

4. Venus: 28 February 2004 6.15 am

Hand calculation: 22 Aries 42

Solar Fire: 22 Aries 42

5. Mars: 10 Mar 1960 2 pm

Hand calculation: 12 Aquarius 33

Solar Fire: 12 Aquarius 33

10
marks

SECTION 2

Q1 Aspects

Moon conj Mars, conj Sun, sext NN, sq Pluto, **sext NN, trine SN**

Sun conj Venus, conj Mars, conj Moon, sext Chiron

Mercury sext Jupiter, sq Uranus, sq Chiron, quincunx Neptune,

Venus sq Jupiter, trine Uranus, opp Neptune, sext Chiron

Mars sq Pluto, sextile NN, **trine SN**

Jupiter trine Saturn, square Neptune,

Saturn quin Neptune, quincunx Uranus, quin Pluto, conj NN, **opp SN**

Uranus sext Neptune, conj Pluto, opposite Chiron

Neptune sext Pluto, trine Chiron

Pluto quincunx NN

NN opp SN

Q2 Aspect patterns

T-square Venus, Jupiter, Neptune or **3 point stellium** of Moon, Sun, Mars,

Yod Saturn, Uranus, Pluto, Neptune **Mystic Rectangle** Venus, Neptune, Chiron, Uranus

Yod Saturn, Neptune, Pluto

T Square Mercury square Uranus opp Chiron

Q3 Chart shape = locomotive with Saturn as lead – all planets within 240 deg with max orb 10 deg

Lead planet going clockwise is the one before empty space

Q4. What is the Lunation Phase = New Moon – Moon is 7 degrees 57 minutes ahead of the Sun

Q5 Short Arc Midpoint of Venus and Jupiter

Jupiter 27 Leo 44 = 147 44

Venus 0 Gemini 24 = 60 24

87 20 divide by 2 = 43 40 add lower figure 60 24 = 104 04

Therefore short arc = 14 Cancer 04

Q6 Vertex = 29 Aq subtract latitude of birth from 90d = 90d -37S 49= 52 S 11 becomes new latitude

Southern Latitude= Look at table of chart MC = 18 Taurus 04

Look at Ascendant in table of houses at New Lat = 29 Leo 17 reverse sign =29 Aq 17

Q7 Rulership = Mercury; Fall = Saturn

Q8 Planets contra parallel = a) Neptune and Pluto

SECTION 3

Please note: There may be a slight difference in answers in this section depending on which Ephemerides is used. The examiners will allow for this.

Q1 Secondary Moon table for Kylie 2014 46 years old

ACD date using midnight ephemeris is 12 Jan 2014. Ephemeris date = 12 May 2014

Count 46 days from May 28 1968 = July 13 1968

Moon position for this day is **28 AQ 50** – place next to **ACD / May 12**

Monthly Adjustment .using Michelsen 12 hour Moon

As is an a.m birth take Moon midnight position on July 13 = 28 Aqu 50 05

then take moon midday position on July 13 = 5 Pisc 37 17

difference = 6 47 12 this is 6 monthly movement

divide by 6 = 1 07 52 becomes monthly m'ment

so add or subtract from ACD month May 12. As the moon moves so fast I always use hours, minutes and the seconds instead of rounding up.

Attention Aureas Ephemerides Users

Due to the differences between the 12 hour Michelsen and 24 hour Aureas Ephemeris the monthly adjustment will vary but will still be within allowable orb.

12th Jan 2014 24 18 37 Aquarius

12th Feb 2014 25 26 29 Aquarius

12th March 26 34 21

12th April 27 42 13

12th May 28 50 05

12th June 29 57 57

12th July 1 05 49 Pisces
 12th Aug 2 13 41
 12th Sept 3 21 33
 12th Oct 4 29 25
 12th Nov 5 37 17
 12 Dec 6 45 09

Q2 Age of first Secondary Full Moon = 13 years old

Using GMT date as 0 count down in ephemeris until reach first Full Moon = 10th June 68 at 19 Sag 59

Day for a year therefore 13 years old

Q3 Age and year when Progressed Sun conjunct Mercury. 23 years old, year 1991

Mercury 28 Gemini 48. Count down from Sun at 6 Gem 45 till Sun reaches Mercury at 28 Gem 48

=23 years of age; [birth year = 1968 plus 23 years = 1991]

Q4 Year Solar Arc Saturn conjuncts natal Mars = 54 years of age

Mars = 13 Gemini 32 73 32

Saturn=21 Aries 35 - 21 35

51 57

Sun 6 Gemini 45 + 66 45 = 118 42 there fore 28 Cancer 42 Go down ephemeris till Sun reaches 28 Cancer 42 =2022 = July 21.

Subtract this from GMT DOB = **54 years of age.**

Q5 During 2013 and 2014 when Saturn makes an exact conjunction to Kylie's IC. List the exact GMT dates that Saturn makes this conjunction and the exact GMT dates when this transit occurred earlier in Kylie's life.

IC = 18 Scorpio 04

9 Dec 13; 7 June 14 retro
1 Sept 14
2/3 Nov 1984

Q6. List the exact GMT dates in 2014 and 2015 when Uranus sextiles Kylie's Moon.

Moon = 14 Gemini 43

- May 13/14 2014
- October 2/3 2014
- March 5/6 2015

Q7. Using a one degree orb both applying and separating, list the periods when Neptune squares Kylie's Sun.

Sun = 6 Gemini 45 so from 5 Pisces 45 to 7 Pisces 45

- March 14 to September 14 /15 2014
- January 14 to March 10 /11 2015
- September 25/26 2015 to January 8/ 9 2016

8. List the exact [GMT] dates and zodiacal degrees of all solar and lunar eclipse for 2015.

Solar Eclipses

[Total Eclipse:] March 20: 29 Pisces 27

[Partial] 13 September: 20 Virgo 10

Lunar Eclipses

[Partial]April 4: 14 Libra 24 [Total] September 28: 4 Aries 40

9. What is the exact [GMT] period when Neptune is retrograde during 2014?

June 9 to November 15/16

10. Calculate the Adjusted **Calculation Date** for the following birth data:

18 December 1963 6.30am Shawnee, Oklahoma, USA

CST + 6 hours [no daylight savings]

GMT DOB = 18 Dec 1963 at 12.30pm

24 hours

- 12 hours 30 minutes
= 11 hours 30 minutes

+ 05 hours 43 minutes 33 seconds [GMT sidereal time of birth]

=16 hours 73 minutes 33 seconds

=17 hours 13 minutes 43 seconds

Look backwards in the Ephemerides to find the date of this sidereal time

= **June 10 [1963]**

SECTION 2 – TOTAL 30 MARKS