

**2023 Calculation Exam**  
**Section 1 – Total 30 Marks**

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

Q1

10 marks

(a)11 November 1957	11.00am
Sydney	33S52 151E13
Standard Time Zone	-10 hours East of Greenwich
Daylight Savings	no

**ST from hand calculation = 02 24 31 [using Northern Tables]**

**Closest sidereal time to look up in Table of Houses is therefore**

**•02h 24m 00s for Northern Tables [latitude: 34S]**

**Local Sidereal Time from Solar Fire = 14 24 30 and the closest sidereal time using Southern Tables is 14 hours, 24 minutes**

**House Cusps**

**[hand calculated but not interpolated]**

**MC = 8 Scorpio 23**  
**11<sup>th</sup> = 12 Sagittarius 49**  
**12<sup>th</sup> = 15 Capricorn 31**  
**ASC = 14 Aquarius 57**  
**2<sup>nd</sup> = 8 Pisces 12**  
**3<sup>rd</sup> = 5 Aries 57**

**Solar Fire House Cusps**

**MC = 8 Scorpio 30**  
**11<sup>th</sup> = 12 Sagittarius 54**  
**12<sup>th</sup> = 15 Capricorn 34**  
**ASC = 15 Aquarius 00**  
**2<sup>nd</sup> = 8 Pisces 18**  
**3<sup>rd</sup> = 6 Aries 05**

**House Cusps interpolated**

**MC = 8 Scorpio 42**  
**11<sup>th</sup> = 13 Sagittarius 06**  
**12<sup>th</sup> = 15 Capricorn 47**  
**ASC = 15 Aquarius 05**  
**2<sup>nd</sup> = 8 Pisces 29**  
**3<sup>rd</sup> = 6 Aries 15**

Q1

10 marks

- (a)  
(b) 15 August 1950                      11.50am  
    London, UK                            51N30 000W10  
    Standard Time Zone                GMT/UT  
    Daylight Savings                  yes – 1 hour

**ST from hand calculation = 08 22 27 [using Northern Tables]**

**Local Sidereal Time from Solar Fire is 8 22 26**

**Closest sidereal time to look up in Table of Houses is therefore**

**•08h 24m 00s for Northern Tables [latitude: 51N]**

**Sidereal time using Southern Tables is 20 22 26 and the closest time to look up in Southern Tables is therefore 20 hours 24 minutes**

**House Cusps**

**Solar Fire House Cusps**

**[hand calculated but not interpolated]**

**MC = 3 Leo 41  
11<sup>th</sup> = 7 Virgo 55  
12<sup>th</sup> = 4 Libra 49  
ASC = 25 Libra 29  
2<sup>nd</sup> = 22 Scorpio 18  
3<sup>rd</sup> = 25 Sagittarius 38**

**MC = 3 Leo 18  
11<sup>th</sup> = 7 Virgo 37  
12<sup>th</sup> = 4 Libra 29  
ASC = 25 Libra 02  
2<sup>nd</sup> = 21 Scorpio 44  
3<sup>rd</sup> = 25 Sagittarius 05**

**House cusps interpolated**

**MC = 3 Leo 38  
11<sup>th</sup> = 8 Virgo 00  
12<sup>th</sup> = 4 Libra 44  
ASC = 25 Libra 07  
2<sup>nd</sup> = 21 Scorpio 45  
3<sup>rd</sup> = 25 Sagittarius 11**

Q2

10 marks

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

1: Sun                      22 July 2013                      3.24pm

**Hand Calculation = 29 Cancer 58m 41s**

**Solar Fire = 29 Cancer 58m**

**0 Leo 16 10**

2: Moon 15 November 1977 10.46am

**Hand Calculation = 20 Capricorn 50m 21s**

**Solar Fire = 20 Capricorn 51m**

3: Mercury 21 February 1967 3.20am

**Hand Calculation = 18 Pisces 26m 22s**

**Solar Fire = 18 Pisces 27m**

4: Venus 24 August 1957 5.00am

**Hand Calculation = 05 Libra 00m 00s**

**Solar Fire = 05 Libra 00m**

5: Mars 14 April 1967 4.45pm

**Hand Calculation = 25 Libra 05m 57s Retrograde**

**Solar Fire = 25 Libra 06m Retrograde**

## END OF SECTION 1

### Section 2 – Total 20 Marks

Use the chart provided to answer all the questions in Section 2

Q1 10.5 marks

Using the aspect grid supplied, find only the following aspects using the stated maximum orbs.

**Include only the ten main planets, plus Chiron and the North Node.**

[note: ASC, MC and South Node are not required]

*No working out sheet required.*

Conjunction ... 8-degree orb

Square ..... 8-degree orb

Trine ..... 8-degree orb

Opposition ..... 8-degree orb

Sextile ..... 6-degree orb

Quincunx ..... 5-degree orb

**21 aspects – half a mark each**

Q2

1 mark

Using only the **planets and the above orbs**, name one aspect pattern and list the planets that form this pattern. *No working out sheet required.*

**T-Square: Mars, Pluto, Moon**

**Easy Oppositions: Mars, Pluto, Neptune or Mars, Pluto, Sun**

**Sun, Neptune, Mars or Sun, Neptune, Pluto**

**Mystic Rectangle: Mars, Pluto, Sun, Neptune**

Q3

2 marks

Calculate the Vertex to within one degree.

Birth latitude: 51°N58'

**Northern Latitude: IC 26° Capricorn 26'**

**Colatitude 90°00 minus Birth Latitude 52° (rounded) = 38**

**Table: 26° Cap 00' = 13° Taurus 15' Vertex**

**or Table: 26° Cap 57' = 14° Taurus 36' Vertex**

**Solar Fire = 13° Taurus 54' Vertex**

Q4

2 marks

What is the Lunation Phase for this chart?

**Moon**

**5° Capricorn 27' 275° 27'**

**minus Sun**

**5° Gemini 43'**

**65° 43' = 209°44' = Full Moon**

**Solar Fire = 209° 43' Full Moon**

Q5

0.5 mark

Which planet disposit Venus?

*No working out sheet required.*

**The Moon disposes Venus**

Q6

1 mark

Name one planet in detriment, and the sign it is in.

*No working out sheet required.*

**Moon in Capricorn or Saturn in Cancer**

Q7

1 mark

The Sun aspects Neptune: state the orb and type [applying or separating]

*No working out sheet required.*

**Orb: 4°49' Applying**

Q8

2 marks

Using the Diurnal Formula, calculate the Part of Fortune to the nearest degree.

ASC + Moon – Sun

**19° Libra 55' + 5° Capricorn 27' - 5° Gemini 43'**

**199° 55' + 275° 27' [475°22'] - 65° 43' Result = 409° 39'**

**409° 39' - 360°00' = 49°39' = 19° Taurus 39'**

**Solar Fire = 19° Taurus 38' 55"**

## END OF SECTION 2

## SECTION 3

**Q1** Calculate a [12] monthly Secondary Progressed Moon table for Melissa for 2023, 6 marks starting from January to the nearest 30 minutes of arc.

**Midnight ACD = 27 February**

Calculate Ephemeris Date (ED)

Year of Table required	2023
Subtract Year of birth	- 1979
Result =	<b>44</b>
GMT DOB = Day 275 + 44 = Day 319	15 November 1979

**ED = 15 November 1979 = ACD 27 February 2023**

	Ephemeris Date	Moon
Moon Day Before ED	14 Nov 1979	16 Virgo 02
Moon Position ED	15 Nov 1979	27 Virgo 53
Moon One Day after ED	16 Nov 1979	9 Libra 51

Movement B4 27/2/23 ACD	Ephemeris Date	Moon
Moon Position ED less	15 Nov 1979	27 Virgo 53
Moon Day Before ED	14 Nov 1979	16 Virgo 02
	Moon's Yearly Motion	= 11 deg 51
Divide by 12	Moon's Monthly Motion	= <b>0 deg 59'</b>

<b>Movement AFTER 27/2/23 ACD</b>	<b>Ephemeris Date</b>	<b>Moon</b>
Moon Position after ED less	16 Nov 1979	9 Libra 51
Moon position ED	15 Nov 1979	-27 Virgo 53
	Moon's Yearly Motion	11°58
Divide by 12	Moon's Monthly Motion	= 1 deg 0'

<b>Year</b>	<b>Month</b>	<b>Progressed Moon's Hand calculation</b>	<b>Solar Fire</b>
2023	January	26 Virgo 53 10	26 Virgo 50 10
<b>ACD 27</b>	<b>February</b>	<b>27 Virgo 52 49</b>	<b>27 Virgo 51</b>
	March	28 Virgo 52 28	28 Virgo 45
	April	29 Virgo 52 07	29 Virgo 46
	May	00 Libra 51 46	00 Libra 45
	June	01 Libra 51 25	01 Libra 46
	July	02 Libra 51 04	02 Libra 45
	August	03 Libra 50 43	03 Libra 45
	September	04 Libra 50 22	04 Libra 46
	October	05 Libra 50 01	05 Libra 46
	November	06 Libra 49 50	06 Libra 47
	December	07 Libra 49 19	07 Libra 46

**END OF SECTION 3**

#### **SECTION 4**

Q1 If a person were born at sunrise the Sun would be in house? 1 mark

- a. 1/12
- b. 5/6.
- c. 7/8
- d. 10/11

Q2 If Mercury trines the North Node, then it is what aspect to the South Node? 1 mark

- a. Quincunx/inconjunct.
- b. Square
- c. Trine
- d. **Sextile**

Q3 Which two planets are in Mutual Reception? 1 mark

- a. Venus in Aries, Mars in Aries
- b. Jupiter in Cancer, Moon in Taurus
- c. **Sun in Capricorn, Saturn in Leo**
- d. Mercury in Gemini, Mars in Aries

Q4 Which of the following is not a 12<sup>th</sup> harmonic aspect? 1 mark

- a. Conjunction.
- b. Sextile.
- c. Square.
- d. **Semi square.**

Q5 Mercury takes how many days to complete one orbit of the Sun? 1 mark

- a. **88.**
- b. 168.
- c. 23.5
- d. 365

Q6 The Synodic cycle of Neptune and Uranus is? 1 mark

- a. 238 yrs
- b. 127 yrs
- c. **171 yrs**
- d. 320 yrs

Q7 Diurnal motion refers to? 1 mark

- a. The Moon's movement in 24 hours
- b. Precession of the Equinoxes
- c. **The Earth's daily rotation**
- d. The Earth's Tilt.

Q8 A Sidereal Cycle of the Moon takes approximately? 1 mark

- a. 30 days.
- b. **27.3 days.**
- c. 29.5 days
- d. 24 hours

Q9 Using derived houses, which house describes your son in law's car? 1 mark

- a. **1st**
- b. 11th
- c. 7th
- d. 3rd

Q10 The planet Pluto is identified with which Greek God? 1 mark

- a. Prometheus
- b. Apollo
- c. Zeus
- d. **Hades**

Q11 Jupiter is in fall in? 1 mark

- a. Cancer
- b. **Capricorn**
- c. Aries
- d. Gemini

Q12 The Prime Vertical is: 1 mark

- a. North/South intersection of the ecliptic
- b. **East /West circle perpendicular to the Meridian**
- c. Intersection of the Ecliptic and Equator
- d. Another name for Vertex.



Q13 The direct midpoint of Saturn at 20 Leo and Mars at 10 Libra is? 1 mark

- a. 15 Pisces
- b. 20 Aquarius
- c. 15 Virgo
- d. 10 Cancer

Q14 In Medical Astrology Jupiter is said to rule? 1 mark

- a. Lungs
- b. Liver
- c. Kidneys
- d. Skin

Q15 What is the only planet named for a Greek God?

- a. Mercury
- b. Uranus
- c. Jupiter
- d. Saturn

1 mark

Q16 Which of the following chart patterns is only possible with a stellium opposed by at least one other planet? 1 mark

- a. Locomotive
- b. Bowl
- c. Bundle
- d. Bucket

Q17 The branch of Astrology associated with finding lost objects is? 1 mark

- a. Astro locality
- b. Electional
- c. Horary
- d. Cosmobiology

Q18 The planet Uranus was officially discovered?

- a. November 1780
- b. **March 1781**
- c. September 1782
- d. January 1788

1 mark

Q19 Jupiter takes approximately how many years from one conjunction of Pluto to the next?

- a. **13**
- b. 10
- c. 6
- d. 20

1 mark

Q20 Triton is the largest moon of?

- a. Saturn
- b. Jupiter
- c. **Neptune**
- d. Uranus

1 mark

Q21 A chart with 2 pairs of oppositions each forming a sextile and trine the other pair is what chart pattern?

- a. **Mystic rectangle**
- b. Thor's Hammer
- c. Calypso
- d. Kite

1 mark

Q22 Precession is caused by ?

- a. The Sun moving toward the Galactic Centre
- b. Vedic Astrology
- c. **The Earth's tilt**

1 mark

d. Gravitational pull of the Moon

Q23 The Sun and Venus repeat the same aspect as in the natal chart every 1 mark  
how many Solar returns?

- a. 6 yrs
- b. 23 yrs
- c. 8 yrs
- d. 10 yrs

Q24 Which of the following pairs of planets are contra parallel to each other?

- a. Jupiter 10 S 15, Venus 20 N 15
  - b. Sun 13 N 25, Mercury 13 N 05
  - c. Uranus 18 S 15, Moon 18 N 23
  - d. Saturn 22 N 11, Sun 11 N 22
- 1 mark

**END OF SECTION 4**