

2024 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)15 th February, 1983	8:50pm
Sydney	33S52 151E13
Standard Time Zone	-10 hours East of Greenwich
Daylight Savings	yes

LST from hand calculation = 17 34 13 [using Northern Tables]

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

•17 36 00 for Northern Tables [latitude: 34S]

House Cusps interpolated

Solar Fire House Cusps

MC =23 Gemini 59
11th =16 Cancer 39
12th =13 Leo 06
ASC =19 Virgo 56
2nd =0 Scorpio 59
3rd =0 Sagittarius 24

MC = 24 Gemini 05
11th = 16 Cancer 47
12th = 13 Leo 16
ASC = 20 Virgo 07
2nd = 1 Scorpio 05
3rd = 0 Sag 29

Closest Sidereal time for Southern Tables is 5 34 00 and closest to look up is 5 36 00

MC = 24 Gemini
11th = 17 Cancer 12
12th = 13 Leo 45
Asc = 20 Virgo 47
2nd = 1 Scorpio 42
3rd = 0 Sag 58

Q1

10 marks

(b) 5 June, 1951 4 18 am
Zurich, Switzerland 47N23 08E33
Standard Time Zone CET – 1hour
Daylight Savings no

LST from hand calculation = 20 43 17 [using Northern Tables]

**Closest sidereal time to look up in Table of Houses is therefore
•20 44 00 for Northern Tables [latitude: 47N]**

House Cusps

[hand calculated but not interpolated]

**MC =8 Aquarius 34
11th =5 Pisces 48
12th =17 Aries 13
ASC =7 Gemini 57
2nd =29 Gemini 31
3rd =18 Cancer 09**

Solar Fire House Cusps

**MC = 8 Aquarius 22
11th = 5 Pisces 29
12th = 17 Aries 00
ASC = 8 Gemini 08
2nd = 29 Gemini 34
3rd = 18 Cancer 04**

Local Sidereal time using Southern House Tables is 8 43 00 and closest Sidereal time to look is 8 44 00

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 17 Oct 1973 1 45 am

**Hand Calculation = 23 Libra 32 50
Solar Fire =23 Libra 31**

2: Moon 7 February 1959 1 40 am

**Hand Calculation = 8 Aquarius 26
Solar Fire = 8 Aquarius 26**

3: Mercury 11 March 1954 11 am

**Hand Calculation = 2 Pisces 14 51 retrograde
Solar Fire = 2 Pisces 14 Retro**

4: Venus 19 April 1960 6 55 am

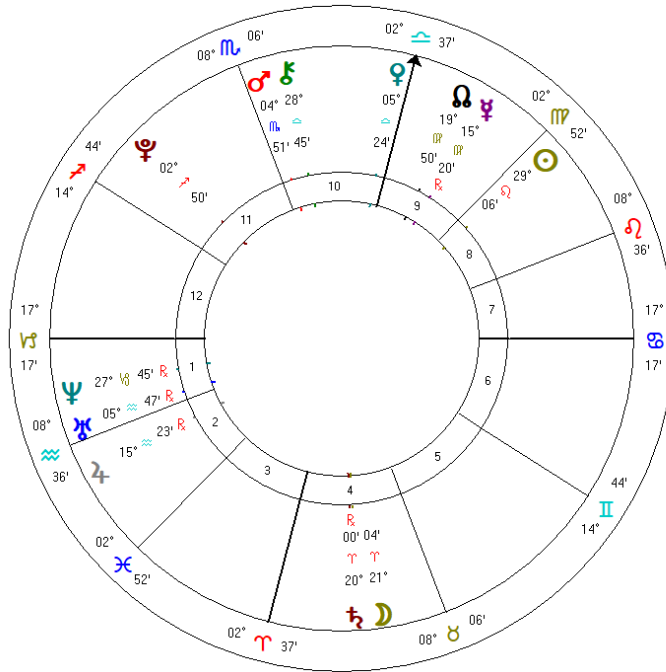
Hand Calculation = 12 Aries 06 26
Solar Fire = 12 Aries 07

5: Mars 12 April 1990 6 45 am

Hand Calculation = 23 Aquarius 31 44
Solar Fire = 23 Aquarius 32

END OF SECTION 1

2024 Calculation Exam
Natal Chart
22 Aug 1997, Fri
2:04 pm AEST -10:00
Wollongong, NSW
34°S25°150'E54'
Geocentric
Tropical
Placidus
True Node



Section 2 – Total 20 Marks

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

Q1 11 marks

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

Include only the ten main planets and Chiron

[note: ASC, MC and the Nodes 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

22 aspects – half a mark each

Moon conj Saturn, sq Neptune, opp Chiron, sext Jupiter

Sun quin Nept, sq Pluto, sext Chiron, sext Mars

Mercury quin Jupiter, quin Saturn

Venus trine Uranus, sext Pluto, trine Neptune

Mars squ Uranus, squ Neptune, conj Chiron

Jupiter sext Saturn,

Saturn sq Neptune,

Uranus sext Pluto, square Chiron

Nept sq Chiron, sext Pluto

Q2 1 mark

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

T-Square: Chiron, Moon/Saturn, Neptune

Yod: Mercury, Jupiter, Saturn

Q3 1 mark

Calculate the Vertex to within one degree.

Birth latitude: 34 S 25

Southern Latitude: MC 2 Libra 37

Colatitude 90°00 minus Birth Latitude 34 25 = 55 35 rounded 56 00

Table MC closest : 2 Libra 11

New Latitude 56= 1 Sagittarius 31

Reverse sign for southern latitude = 1 Gemini 31 Vertex

Solar Fire = Vertex 01 Gemini 31

Q4

What house/s does Venus rule?

No working out sheet required

5th and 10th houses

1 mark

Q5

Name the planet/s in rulership and the sign/s ruled?

No working out sheet required

**Sun in Leo, Mercury in Virgo, Venus in Libra, Uranus in Aquarius,
Mars in Scorpio**

2 marks

Q6

What is the Lunation Phase for this chart?

2 marks

Moon 21 Aries 04 21 04 Plus 360 = 381 04
minus Sun 29 Leo 06 149 06
231 58 = Disseminating Moon
Solar Fire = 231 56

Q7

Using the above chart, and the planets and Chiron only, what Element is represented the least? Name the planet and sign. *No working out sheet required.*

1 mark

Water, Mars in Scorpio

Q8

Using the above chart what is the shape?

Locomotive with Sun as lead planet

1 mark

END OF SECTION 2

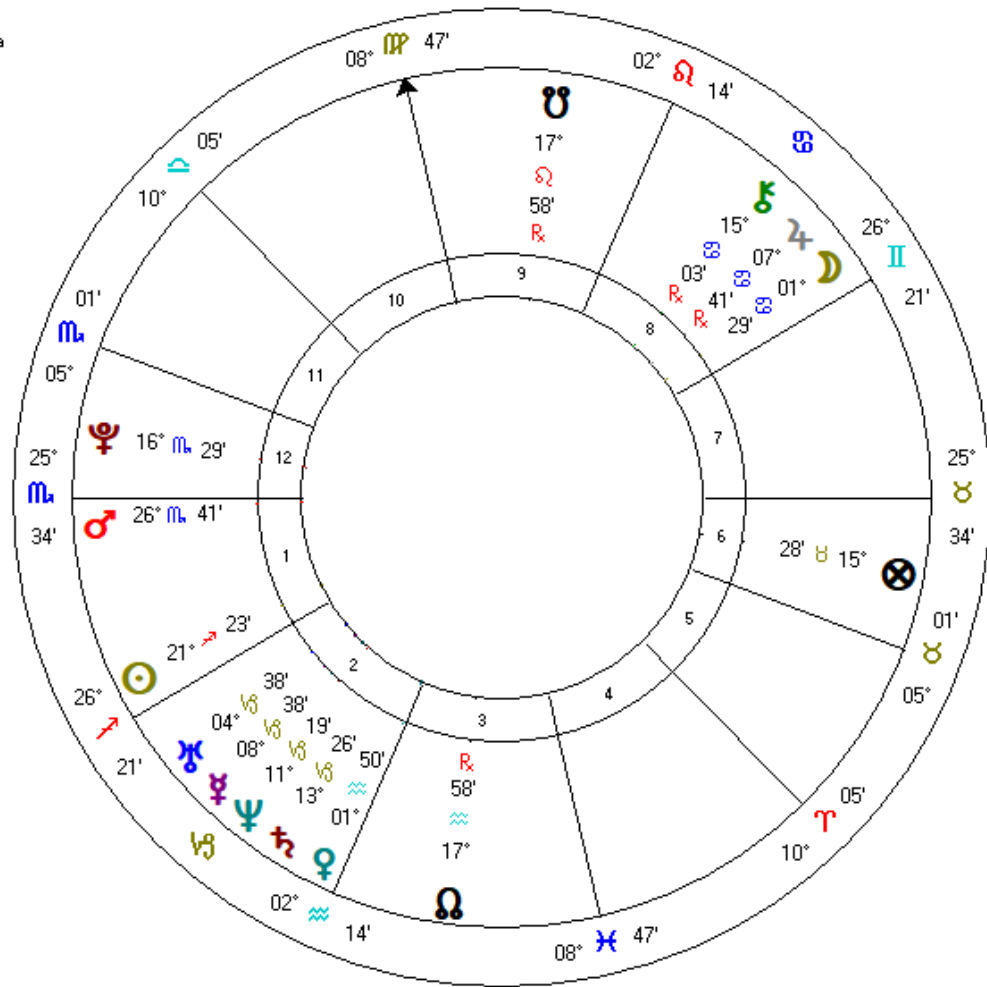
SECTION 3 – TOTAL 30 MARKS

Questions 1 to 7 all relate to Taylor Swift's chart

Working out sheets to be provided with all the answers in this section unless specified

All Section 3 answers to be in GMT.

Taylor Swift
Natal Chart
 13 Dec 1989, Wed
 5:17 am EST +5:00
 Reading, Pennsylvania
 40°N20'08" 075°W55'38"
Geocentric
Tropical
Placidus
True Node



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.

Taylor's ACD: Midnight ephemeris: ACD = 9 July 1989

Calculate a [12] monthly Secondary Progressed Moon table for Taylor for 2024, starting from January 9 to the nearest 30 minutes of arc

GMT of birth = 10.17am on 13 December 1989

Equation ACD 9 July 1989 = GMT DOB 13 December 1989

Year of Progression = 2024 – minus year of birth 1989 = 35

Add 35 days to GMT DOB = 13 December + 35 = 17 January

Moon degree for this position is 5 Libra 56 ...enter next to the ACD month [July] and place the ACD day next to it [9th]

Calculate the progressed Moon movement.

Moon position after birth = 17 Libra 58 – 5 Libra 56 =12 degrees and 2 minutes in 12 months

Divide by 12 = 1 degree 20 seconds [you can disregard the seconds as they will make minimal difference to your answers]

Q1

6 marks

Progressed Moon Table for 2024

9 January 29 Virgo 56 **Solar Fire says 29 Virgo 52 – 4 minutes away**

9 February 0 Libra 56

9 March 1 Libra 56

9 April 2 Libra 56

9 May 3 Libra 56

9 June 4 Libra 56

9 July 5 Libra 56 **Solar Fire agrees**

9 August 6 Libra 56

9 September 7 Libra 56

9 October 8 Libra 56

9 November 9 Libra 56

9 December 10 Libra 56 **[Solar Fire says 11 Libra as it factors in the seconds which are not needed as the answer is only 4 minutes away and the tolerance is 30 minutes]**

How old will Taylor be when she experiences her 2nd Secondary Progressed New Moon? What degree and sign will it be in?

Q2

3 marks

GMT DOB = 13 December 1989

Look in the Moon box to find the relevant lunation = 6 Aquarius 35 on 26 January 1990

Subtract date of this lunation from her GMT DOB to find the number of days / years

13 December 1989 – 26 January 1990 = 44 @ 6 Aquarius 35

Answer is 44 years of age @ 6 Aquarius 35

[Solar Fire gives the exact date of April 29, 2034. Taylor will be 44 until December that year]

At what age will Taylor's Progressed Sun conjunct her natal Venus?

GMT DOB = 13 December 1989

Q3

Natal Sun = 21 Sag 23 Natal Venus 01 Aquarius 50

3 marks

Ephemeris date that the progressed Sun reaches 1 Aquarius 50 = 22 Jan 1990

Subtract this from the GMT DOB 22 January 1990 - 13 December 1989 = 40 days

40 years old [Solar Fire gives the exact date as 31 August 2029 so will also pay 39]

How old was Taylor when her Solar Arc Venus squared her Natal Ascendant?

GMT DOB = 13 December 1989

Solar Arc Venus must reach 25 Aquarius 34 to form a square

Subtract natal Venus - 1 Aquarius 50

Q4

= 23 degrees 44

3 marks

Natal Sun is 21 Sagittarius 23 add 23 degrees 44 = 15 Capricorn 7

Date reaches this is 5 January

Number of days between the two is 23

Answers = 23 years of age [Solar Fire gives the actual date as 2 April 2013]

Q5

Questions 5, 6 & 7 will be marked correct if the answer given falls either side of these answers due to differences in various Ephemerides.

3 marks

During 2024 and 2025 transiting Pluto will conjunct her Venus. List the exact GMT dates. *No working out sheet required.*

Venus = 1 AQ 50 - GMT dates read from Ephemeris are:

March 29/ 30 2024

June 6, 2024

January 25, 2025

August 28, 2025

November 27/ 28 2025

Using a one-degree orb, both separating and applying, list the GMT periods in 2024 and 2025 when Uranus will oppose her Mars. *No working out sheet required.*

Her Mars is at 26 Scorpio 41 so Uranus will need to be between 25 Taurus 41 and 27 Taurus 41

Q6

3 marks

June 30 to November 6/7, 2024

April 19/20 to May 24/25, 2025

List the exact GMT date in 2024 when Jupiter will conjunct her Descendant and oppose her Ascendant.

No working out sheet required.

Q7

1 mark

DESC = 25 Taurus 34 ...is May 7

List the exact [GMT] dates and zodiacal degrees of all Solar and Lunar Eclipses for 2024. *No working out sheet required.*

Q8

2 marks

March 25 Lunar Eclipse at 5 Libra 7 minutes

April 8 Solar Eclipse at 19 Aries 24

September 18 Lunar Eclipse at 25 Pisces 41

October 2 Solar Eclipse at 10 Libra 4

Q9 What were the exact [GMT] periods when Pluto was retrograde during 2024?
No working out sheet required.

1 mark

Pluto retrograde in 2024 from May 2 to October 12

Calculate the GMT **Adjusted Calculation Date** for the following birth data:

Q 10

Standard Time Zone: -10 hours

13 July 2006, 7.15pm in Melbourne

GMT of birth = 9.15am on 13 July 2006

24 hours – 9 hours and 15 minutes =

= 14 hours 45 minutes

+ 19 h 22minutes 57 seconds [GMT sidereal time of birth]

= 33h 67 57

= **34 7 minutes 57 seconds**

- **24 if over 24**

= **10 hours 7 minutes 57 seconds**

Look back in Ephemeris to find the date = 22 February 2006

5 marks

END OF SECTION 3

SECTION 4 - TOTAL 20 MARKS

Answer 20 questions of a possible 25

No working out sheets are required for Section 4.

Please fill in your answers in the answer book provided.

1. Venus is in its detriment in what sign[s]?
 - a. Taurus
 - b. Capricorn
 - c. Pisces
 - d. **Aries and Scorpio**

2. The lunar apogee is known as
 - a. North Node
 - b. South Node
 - c. **Black Moon Lilith**
 - d. Eris

3. The transit of Neptune around the Earth takes approximately how many years?
 - a. 84
 - b. **165**
 - c. 245
 - d. 180

4. The point where the Prime Vertical intersects the ecliptic in the west is known as
 - a. The Equinox
 - b. **The Vertex**
 - c. The MC
 - d. The Ascendant

5. Which of the following houses is considered to be CADENT
 - a. 10
 - b. **6**
 - c. 2

d. 11

6. The Sidereal cycle of the Moon is

- a. 28 days
- b. 27.3 days
- c. 29.5 days
- d. 29.5 years

7. Mars goes retrograde, approximately every?

- a. 2 years
- b. 6 months
- c. 11 months
- d. 3 years

8. Which of the following pairs of planets are in mutual reception?

- a. Venus in Taurus and Jupiter in Sagittarius
- b. Mars in Pisces and Neptune in Aries
- c. Sun in Capricorn and Mars in Leo
- d. Pluto in Capricorn and Mars in Scorpio

9. Ceres is now classified as

- a. A meteor
- b. A Dwarf Planet
- c. A comet
- d. An Asteroid

10. Which of these aspects is part of the 8th harmonic

- a. Trine
- b. Semi-square
- c. Square
- d. Both b and c

11. The Synodic Cycle of Uranus and Neptune is

- a. 60 years
- b. 20 years
- c. 171 years
- d. 180 years

12. Jupiter is said to be exalted in

- a. Sagittarius
- b. Pisces
- c. Cancer
- d. Capricorn

13. An Appulse Lunar Eclipse occurs when

- a. The Earth's shadow completely blocks the Moon
- b. The Earth's partial shadow [penumbra] covers the Moon
- c. The Moon is opposite the Sun
- d. The Moon is covered by the Umbra of the Earth

14. The second decan of Virgo is

- a. Capricorn
- b. Taurus
- c. Cancer
- d. Libra

15. In Roman mythology, who was the Goddess of Fertility?

- a. Persephone
- b. Ceres
- c. Juno
- d. Vesta

16. Which sign of the zodiac is associated with the throat:

- a. Cancer
- b. Taurus
- c. Virgo
- d. Gemini

17. If Aquarius is the Ascendant of the chart, which planet is said to be the traditional ruler of the chart?

- a. Uranus
- b. Neptune
- c. Saturn
- d. None of the above

18. What year was Neptune discovered?

- a. 1791
- b. 1846
- c. 17
- d. 1891

19. When casting a chart for starting a business you would use the principles of:

- a. Relationship Astrology
- b. Mundane Astrology
- c. Horary Astrology
- d. Electional Astrology

20. The Natural ruler of the seventh house is

- a. Mars
- b. Neptune
- c. Venus
- d. None of the above

21. Which constellation is known as The Crab

- a. Virgo
- b. Cancer
- c. Aries
- d. None of the above

22. During 2024 what aspect does Jupiter make to Uranus?

- a. Square
- b. Quincunx
- c. Conjunction
- d. Trine

23. Using the derived house system, which house would represent your brother's partner?

- a. 7 house
- b. 10 house
- c. 9 house
- d. 11 house

24. Which of these aspects is part of the second harmonic

- a. Trine
- b. sextile
- c. Square
- d. None of the above

25. Mercury is said to be accidentally dignified when it falls in

- a. Third house
- b. Sixth house
- c. Twelfth house
- d. Both a and b

END OF SECTION 4

END OF EXAM