



2019 CALCULATION EXAM

PLEASE READ THE INSTRUCTION SHEET BEFORE PROCEEDING

INSTRUCTION SHEET

- An Answer Booklet has been supplied with pages for the answers for ALL sections of the Exam. Please ensure all answers are noted in this booklet relevant to the Section and Question.
- Your name must NOT appear on any of the examination papers that are submitted. You will be issued with a Candidate Number by the Exam Board Coordinator. ***This number is to be written on the top right-hand corner of each page of the Exam answer booklet and your workout/calculation sheets.*** Please ensure that the section number and question number relevant to the exam is added clearly on each of your personal working out/calculation sheets for cross referencing by the Examiners.
- Please give yourself the best chance of gaining marks towards passing this Exam by **returning your Exam Answer Booklet and all your WORKING OUT SHEETS for questions requiring calculation methodology.** How does this help you gain marks? If the Exam markers are able to determine, from your working out sheets, that the work is your own and you used the correct calculation method for a question, but a simple error has occurred resulting in a final incorrect answer, some marks can still be awarded for the correct methodology as it shows understanding of the question. Not returning your working out sheets may result in less marks and possibly not passing, as only your answer to a question can be marked.
- All exam papers – including working out /calculation sheets - if scanned to be returned by email must be saved as a PDF document and be in high resolution format (300dpi). **Please send two PDF files, scan your answer booklet as a separate PDF from your working out sheets.**

Or

- All Exam Answer Booklet and all your WORKING OUT SHEETS must be emailed/posted to the Coordinator, FAA Board of Examiners (email or postal address above) no later than **4pm on Monday 19th August 2019.** If posted please make sure they are date stamped to indicate by 4pm on Monday 19th August 2019.

INSTRUCTIONS

- If posting your answers and worksheets back by Express /Registered Post to the Exam Coordinator it is essential that you take a photocopy of both the answer sheets and working out sheets. If you use Express Post and Australia Post misplace the original answers and working sheets you will have another copy to send as it is the candidate's responsibility to send a duplicated copy if required. You will also be required to provide the tracking number and receipt to show you posted the papers before 4pm on the Monday after you receive the Exam
- If your circumstances change once the exam has commenced and you are not able to complete the exam, please advise the Exam Board Coordinator ASAP
- All material submitted will become the property of the FAA. Copyright of all material remains with the author.
- The Board of Examiner's decision with respect to results is final.
- **The overall pass mark for this exam is 70%.** Candidates must also achieve a minimum mark of **60% in each section** of the exam in order to gain an overall pass.

The Exam is divided into four sections:

- Section 1 consists of TWO questions on the calculation of natal chart angles, house cusps and planets. Both questions in this section must be completed. (30 Marks)
- Section 2 consists of up to EIGHT questions on aspects and other appropriate information given in the natal chart. All questions must be answered. (20 Marks)
- Section 3 contains TEN questions on the calculation of Transits, Progressions and Directions in the horoscope. All questions must be answered. (30 Marks)
- Section 4 consists of TWENTY FIVE multiple choice questions. You must answer TWENTY of them. (20 Marks)

GOOD LUCK

CALCULATION EXAM 2019

SECTION 1 - Total 30 marks

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

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

(a)	28 January 1976	7.30 am	
	Cape Town, South Africa	33 S 55 18 E 22	10 marks
	Standard Time Zone	- 2 hours east of Greenwich	
	Daylight Savings	NO	

(b)	5 June 2012	2.25 pm	
	Vienna, Austria	48 N 13 16 E 20	10 marks
	Standard Time Zone	- 1 hour east of Greenwich	
	Daylight Savings	Yes – 1 hour	

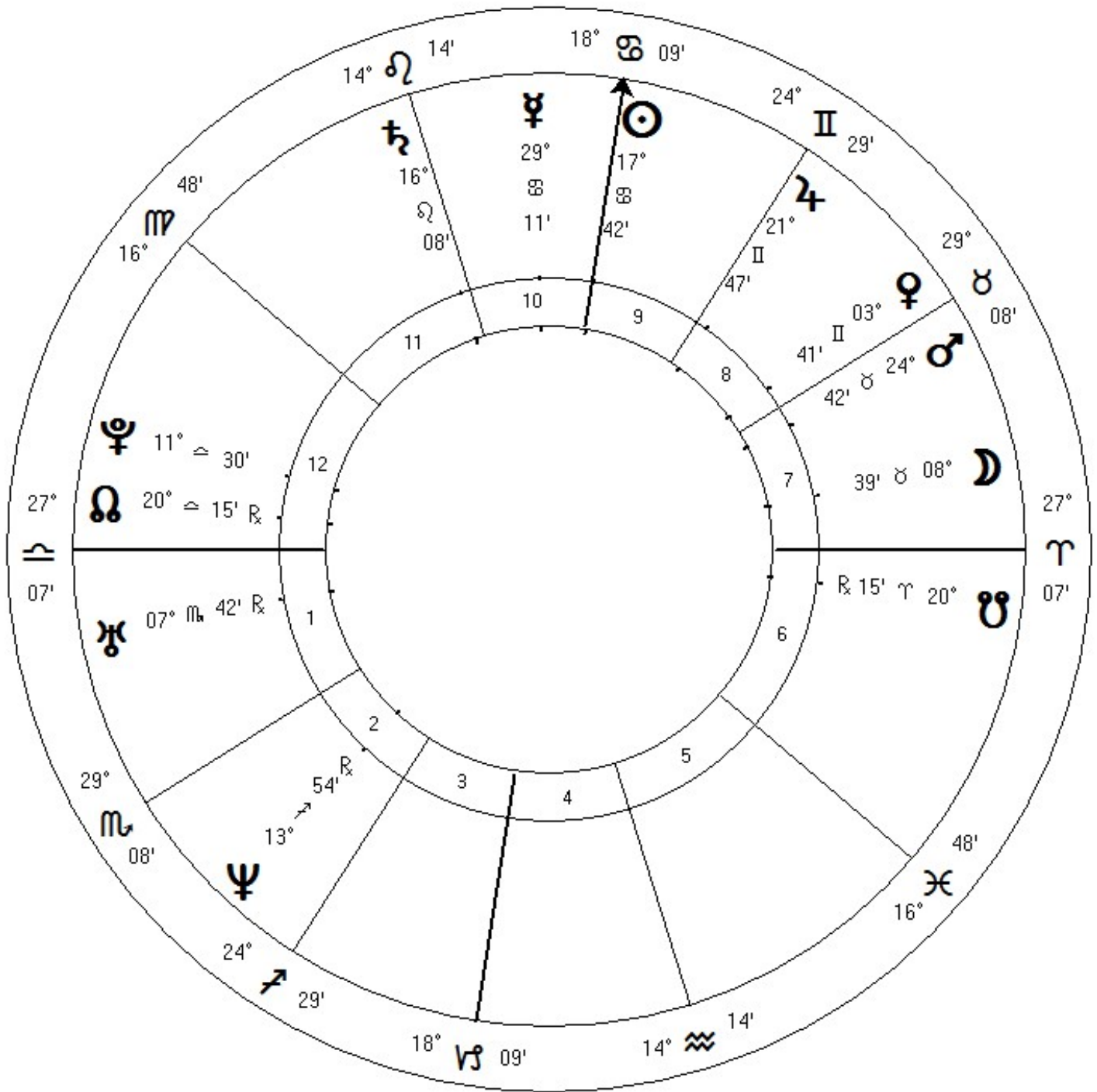
Q2 Calculate the longitudinal positions of the following planets to within 30 minutes of zodiacal longitude. All data below is in GMT.

	1. Sun:	9 June 1964	3.20 pm	
	2. Moon	30 October 1988	7.25 am	
	3. Mercury:	28 January 1976	5.30 am	10 marks
	4. Venus:	30 June 2009	10.27 pm	
	5. Mars:	1 October 1959	7.00 pm	

END OF SECTION 1

SECTION 2 - Total 20 Marks

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



SECTION 2 (Cont.) – Total 20 Marks

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

- Q1 Using the aspect grid supplied find only the following aspects using the stated maximum orbs. Include the planets **plus** the Nodes [Note: Do not include Node opposite Node].
- | | | |
|------------------|---------------|----------|
| Conjunction..... | 8 degree orb. | |
| Square | 8 degree orb. | 10 marks |
| Opposition..... | 8 degree orb. | |
| Trine | 8 degree orb. | |
| Sextile | 6 degree orb. | |
| Quincunx | 4 degree orb. | |
- Q2 Using the planets and nodes [and the above orbs], name one aspect pattern and list the planets that form this pattern. *No working out sheet required* 2 marks
- Q3 What is the Lunation Phase for this chart? 1 mark
- Q4 What is the short arc midpoint of Jupiter and Neptune? 2 marks
- Q5 Which planet disposit Venus? *No working out sheet required* 1 mark
- Q6 List one planet in its exaltation. *No working out sheet required* 1 mark
- Q7 Which planet is closest to an angle. *No working out sheet required* 1 mark
- Q8 Using the diurnal formula, calculate the Part of Fortune to nearest degree 2 marks

END OF SECTION 2

SECTION 3 – TOTAL 30 MARKS

Julie

Natal Chart

3 Jul 1971, Sat

3:00 pm AEST -10:00

Townsville, Australia

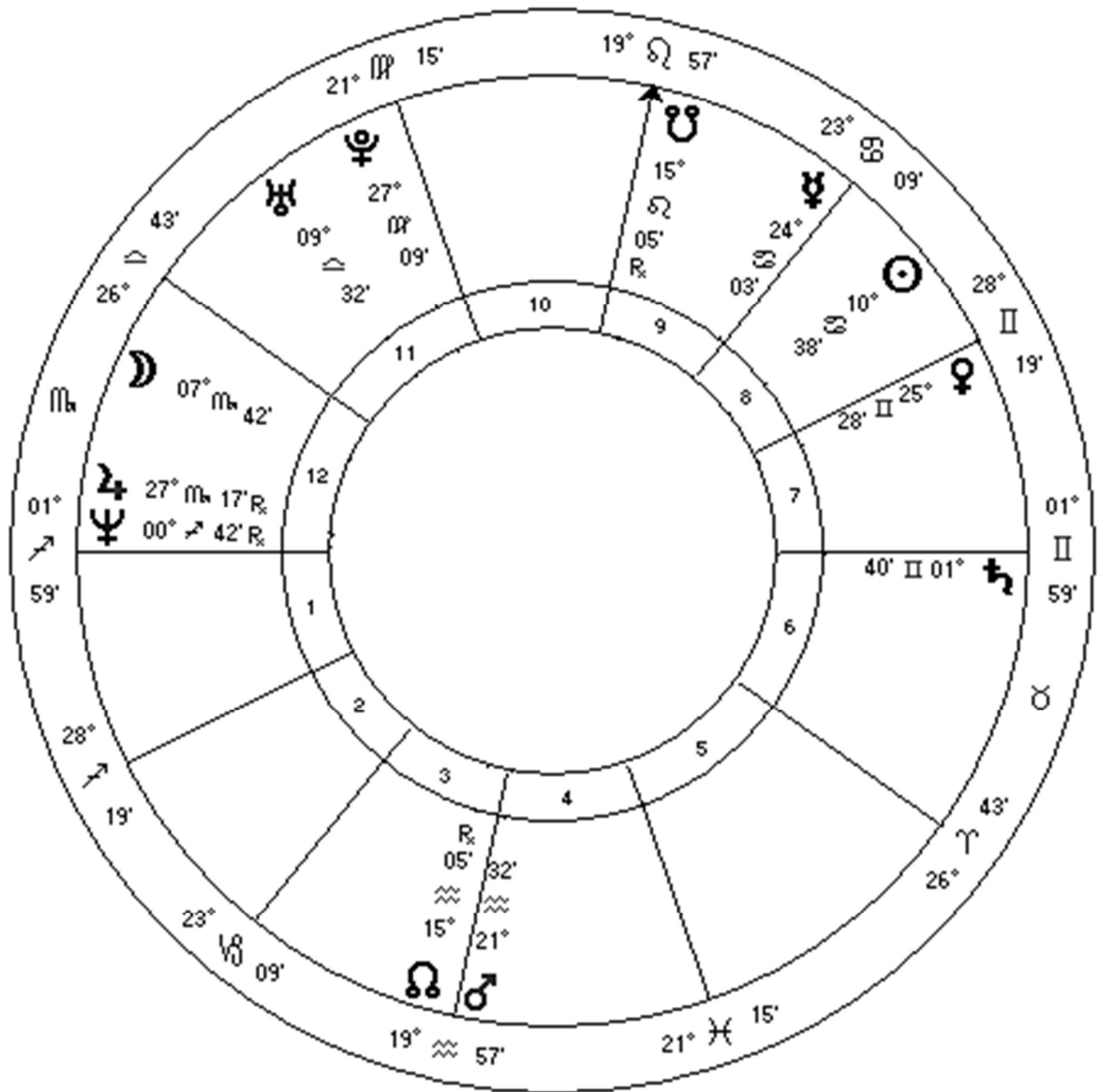
19°S 16' 146°E 48'

Geocentric

Tropical

Placidus

True Node



SECTION 3 (Cont.) – TOTAL 30 MARKS

All questions in this section relate to Julie’s chart, except for Questions 8, 9 and 10.

All answers to be in GMT.

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

Julie’s ACD: Midnight ephemeris: ACD = 18 April 1971

Noon ephemeris: ACD = 17 October 1970

- | | | |
|----|--|--------------|
| Q1 | Calculate a [12] monthly Secondary Progressed Moon table for Julie for 2019, starting from January 18 to the nearest 30 minutes of arc. | 6
marks |
| Q2 | Identify the age Julie has her 3 rd Secondary Progressed Full Moon? What degree and sign is it in? | 3
marks |
| Q3 | Identify the age Julie has her Progressed Venus conjunct her natal Midheaven? | 2
marks |
| Q4 | How old was Julie when her Solar Arc Mercury was conjunct her Natal Pluto? | 4
marks |
| Q5 | During 2020 transiting Pluto will be opposite Julie’s natal Mercury. List the exact GMT dates. <i>No working out sheet required.</i> | 1 ½
marks |
| Q6 | Using a one-degree orb, both separating and applying, list the GMT periods when Uranus opposes Julie’s natal Moon. <i>No working out sheet required.</i> | 2
marks |
| Q7 | List the exact GMT date when Julie will experience her next Mars return. <i>No working out sheet required.</i> | 1 mark |
| Q8 | List the exact [GMT] dates and zodiacal degrees of all Solar and Lunar Eclipses for 2020. <i>No working out sheet required.</i> | 3
marks |

SECTION 3 (Cont.)– TOTAL 30 MARKS

Q9 What are the exact [GMT] periods that Mercury retrogrades during 2019? *No working out sheet required.* 1 ½ marks

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

Q10 **21 September 1957 12.07pm**

Nambour, QLD, Australia

Standard Time Zone: -10 hours (no daylight savings time)

6 marks

END OF SECTION 3

SECTION 4 - TOTAL 20 MARKS**Answer 20 questions out of 25**

***No working out sheets are required for Section 4.
Please fill in your answers in the answer book provided.***

1. What branch of astrology relies on the calculation of midpoints and hard aspects?
 - a. Mundane Astrology
 - b. Horary Astrology
 - c. Cosmobiology
 - d. Sidereal Astrology

2. A person born with their Sun at 22 degrees Aquarius and Moon at 7 degrees Leo would have which lunation phase?
 - a. New Moon
 - b. Gibbous Moon
 - c. Disseminating Moon
 - d. Last Quarter

3. What chart pattern in the natal chart has all the planets located between 15 degrees Pisces and 28 degrees Libra with no planets in Scorpio, Sagittarius, Capricorn or Aquarius?
 - a. Bucket
 - b. Bowl
 - c. Locomotive
 - d. Wedge

4. In what year was Neptune discovered?
 - a. 1846
 - b. 1781
 - c. 1930
 - d. 1977

5. Which of the following planets are exalted in Capricorn?
 - a. Jupiter
 - b. Saturn
 - c. Mars
 - d. Uranus

6. What does APOGEE mean?
 - a. The point where a planet is closest to the Earth in its orbit.
 - b. The point where a planet is farthest away from the Sun in its orbit.
 - c. The point where a planet is farthest away from the Earth in its orbit.
 - d. The point where a planet closest to the Sun in its orbit.

SECTION 4 (Cont.) - TOTAL 20 MARKS

7. A natal birth chart has Sun 18 Taurus, Moon 14 Cancer, Jupiter 18 Scorpio and Mars 17 Capricorn – what pattern do these planets form?
- Yod
 - Mystic Rectangle
 - Grand Trine with Kite
 - None of the above
8. The orbit of Pluto is?
- Always outside Neptune
 - Alternates inside and outside of Neptune
 - Always outside Uranus
 - Always within the plane of the ecliptic
9. An eclipse depends on the astrological relationship between:
- Sun, Moon and Ascendant
 - Sun, Moon and Node
 - Sun, Node and Ascendant
 - Moon, Node, Sun and Ascendant
10. Which house describes your brother's daughter?
- 3rd
 - 5th
 - 7th
 - 9th
11. In Australia, the Sun is at its fastest at the:
- Spring Equinox
 - Autumn Solstice
 - Winter Equinox
 - Summer Solstice
12. In a "Year for a Day" dynamic methodology, how many months would equal 6 hours?
- 3 months
 - 2 months
 - 4 months
 - 9 months
13. Solar time is different to Sidereal time by:
- 4 minutes 26 seconds
 - 3 minutes 56 seconds
 - 3 minutes 36 seconds
 - 4 minutes 06 seconds

SECTION 4 (Cont.) - TOTAL 20 MARKS

9

14. If Venus trines the North Node, what aspect does Venus make to the South Node?
 - a. Square
 - b. Quincunx/inconjunct
 - c. Trine
 - d. Sextile

15. In Roman mythology, the god Saturn was the son of:
 - a. Jupiter
 - b. Pluto
 - c. Uranus
 - d. Mars

16. In Medical Astrology the throat is ruled by:
 - a. Cancer
 - b. Taurus
 - c. Virgo
 - d. Scorpio

17. A person has the sign of Pisces intercepted in the 1st House, what is the sign on the 8th House cusp?
 - a. Virgo
 - b. Leo
 - c. Libra
 - d. Scorpio

18. The Sun and Venus repeat the same aspect which is in in the natal chart, every how many Solar Returns?
 - a. 23 years
 - b. 6 years
 - c. 12 years
 - d. 8 years

19. Mars is said to be dignified in what house?
 - a. tenth house
 - b. first house
 - c. eleventh house
 - d. ninth house

20. Precession of the Equinoxes is caused by:
 - a. The Moon's gravitational pull
 - b. The Vernal Equinox
 - c. The Sun moving towards the Galactic Centre
 - d. The Earth's tilt

SECTION 4 (Cont.) - TOTAL 20 MARKS

21. During 2019 what exact aspect does Jupiter make to Uranus?
- square
 - quincunx
 - sextile
 - trine
22. Which two planets are in mutual reception?
- Mars in Aries and Venus in Libra
 - Venus in Leo and Sun in Taurus
 - Venus in Pisces and Jupiter in Sagittarius
 - Sun in Aries and Mars in Scorpio
23. A person has Jupiter at 0 degrees Aquarius, Sun at 0 degrees Cancer, and Saturn at 1 degree Virgo. The aspect pattern formed is known as a ?
- Grand Trine
 - Yod
 - Kite
 - T-square
24. Which aspect is the odd one out?
- Semi-sextile
 - Quincunx/inconjunct
 - Semi-Square
 - Sextile
25. The second Jupiter return occurs approximately:
- Between ages 23 - 25
 - Between ages 27 - 29
 - Between ages 47 - 49
 - Between ages 14 - 16

END OF SECTION 4

END OF EXAM