



2018
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.**
- 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 27th August 2018**. If posted please make sure they are date stamped to indicate by 4pm on Monday 27th August 2018.

- 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 <u>TWENTY</u> of them. | (20 Marks) |

GOOD LUCK

CALCULATION EXAM 2018

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)	16 January 2013	8.44 pm	10 marks
	Melbourne, Victoria	37 S 49, 144 E 58	
	Standard Time Zone	-10 hours east of Greenwich	
	Daylight Savings	YES -1 hour	

(b)	23 October 1988	6.30am	10 marks
	Paris, France	48 N 52, 2 E 20	
	Standard Time Zone	- 1 hour east of Greenwich	
	Daylight Savings	NO	

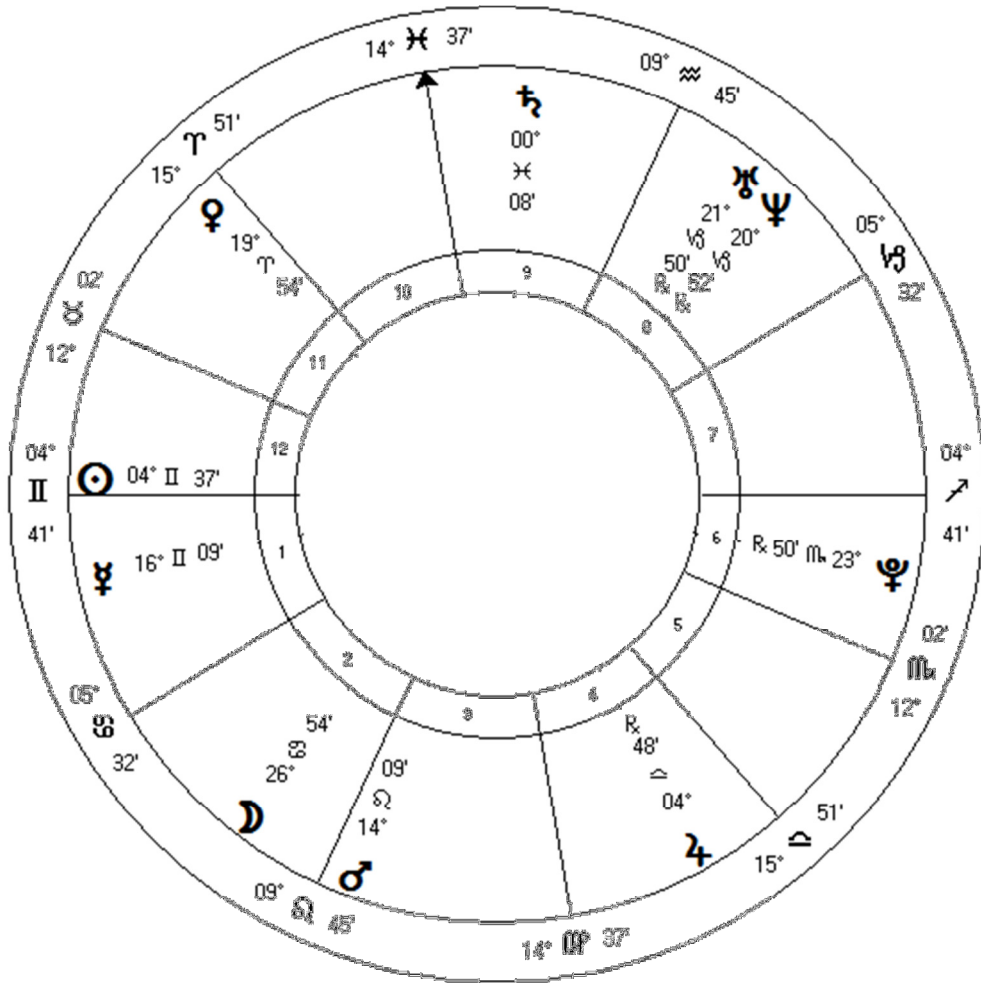
Q2 Calculate the longitudinal positions of the following planets to within 30 minutes of zodiacal longitude. All data below is in GMT.

1. Sun:	16 October 1986	2.30 pm	10 marks
2. Moon	5 March 1954	4.20 am	
3. Mercury:	16 Dec 2006	11.40 am	
4. Venus:	23 August 2007	11.30 pm	
5. Mars:	7 April 2018	9.50pm	

END OF SECTION 1

SECTION 2 - Total 20 Marks

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



SECTION 2 – 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 only the ten main planets:** Chiron & the Nodes are not required. *No working out sheet required*
- 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 only the planets [and the above orbs], name one aspect pattern and list the planets that form this pattern. *No working out sheet required* 2 marks
- Q3 Name one planet in its dignity [rulership]. *No working out sheet required* 1 mark
- Q4 Which planet disposes Venus? *No working out sheet required* 1 marks
- Q5 Calculate the Lunation Phase for this chart. 2 marks
- Q6 Calculate the Short Arc Midpoint of the Sun and Jupiter to the nearest degree. 2 marks
- Q7 Using the diurnal formula, calculate the Part of Fortune to nearest degree. 2 marks

END OF SECTION 2

- Q1 Calculate a [12] monthly Secondary Progressed Moon table for Pauline for 2018, starting from January 9 to the nearest 30 minutes of arc. 6 marks
- Q2 How old was Pauline when she experienced her 3rd Secondary Progressed New Moon? What degree and sign was it in? 3 marks
- Q3 At what age will Pauline's Progressed Sun conjunct her natal Midheaven? 2 marks
- Q4 How old was Pauline when her Solar Arc Mercury was conjunct her Natal Pluto? 3 marks
- Q5 During 2019 and 2020 transiting Pluto will quincunx Pauline's natal Pluto. List the exact GMT dates. *No working out sheet required.* 2 ½ marks
- Q6 Using a one degree orb, both separating and applying, list the GMT periods when Uranus opposes Pauline's natal Saturn. *No working out sheet required.* 3 marks
- Q7 List the exact GMT date when Pauline will experience her next Mars return. *No working out sheet required.* 1 ½ marks
- Q8 List the exact [GMT] dates and zodiacal degrees of all Solar and Lunar Eclipses for 2019. *No working out sheet required.* 2 ½ marks
- Q9 What were the exact [GMT] periods when Mercury was retrograde during 2018? *No working out sheet required.* 1 ½ marks
- Q10 Calculate the GMT **Adjusted Calculation Date** for the following birth data:
May 21 1953 9.05pm
Sydney, NSW, Australia
Standard Time Zone: -10 hours (no daylight savings time) 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. The Moon's exaltation occurs in what sign?
 - a. Cancer
 - b. Capricorn
 - c. Taurus
 - d. Pisces

2. The maximum separation between Mercury and the Sun in a geocentric chart is what degree?
 - a. 88
 - b. 48
 - c. 28
 - d. 120

3. The Lunar Nodes return to their natal place for the first time:
 - a. between 40 and 41
 - b. between 18 and 19
 - c. between 27 and 28
 - d. in the first year of life

4. The Sun crosses the Celestial Equator at:
 - a. The Equinoxes
 - b. Mid-point of the Fixed Stars
 - c. Zero degrees Aries in the Northern Hemisphere and Zero degrees in the Southern Hemisphere
 - d. The Solstices

5. Which aspect is NOT a 12th Harmonic aspect?
 - a. Conjunction
 - b. Sesquiquadrate (sesqui-square)
 - c. Quincunx (inconjunct)
 - d. Sextile

6. The difference between the Sidereal and Synodic revolution of the Moon (New Moon to New Moon) is approximately:
 - a. 2 hours
 - b. 2 days
 - c. ¼ day per year
 - d. 18 years

7. The entrance of the Sun, Moon or planet in a sign is known as:
 - a. A hyleg
 - b. An interception
 - c. An ingress
 - d. A culmination

8. Which of the following pairs of planets are in mutual reception?
 - a. Venus in Libra and Mars in Aries
 - b. Jupiter in Pisces and Saturn in Aquarius
 - c. Moon in Gemini and Mercury in Cancer
 - d. Sun in Capricorn and Mars in Leo

9. If two planets are parallel one another , they are:
 - a. Conjunct each other in zodiacal longitude
 - b. The equal distance North or South of the Equator
 - c. Equi-distant from the Ecliptic
 - d. Both in signs of their fall

10. An aspect of 72 degrees is known as:
 - a. Septile
 - b. Novile
 - c. Quintile
 - d. Decile

11. Which planet spends the greatest amount of time going retrograde
 - a. Pluto
 - b. Saturn
 - c. Uranus
 - d. Mercury

12. The Vertex/Antivertex axis in a Birth chart is the intersection of which two great circles?
 - a. The horizon and the Ecliptic
 - b. The prime vertical and the Ecliptic
 - c. The prime meridian and the Ecliptic
 - d. The celestial equator and the Ecliptic

13. What is the rate of Precession that exists between the Sidereal Zodiac and the Tropical Zodiac for each year?
 - a. 4 minutes
 - b. 3 minutes 54 seconds
 - c. 10 seconds
 - d. 50.25 seconds

14. A person is turning 40 this year, which transiting aspect is NOT possible for them to experience?
- Uranus opposite Uranus
 - Neptune square Neptune
 - Pluto square Pluto
 - Saturn square Saturn
15. In Roman mythology, the god Uranus was the father of:
- Jupiter
 - Pluto
 - Saturn
 - Mars
16. In Medical Astrology the stomach is ruled by:
- Cancer
 - Taurus
 - Virgo
 - Scorpio
17. The time it takes the Vernal Equinox to completely precess through the zodiac (Precession of the Equinoxes) is known as the "Great Year". The Great Year is approximately:
- 2160 years
 - 365 days
 - 25,800 years
 - 12,000 years
18. The Tropic of Cancer is at what latitude:
- 60 degrees N
 - 22 degrees 25' S
 - 23 degrees 30'N
 - 30 degrees S
19. Jupiter is said to be dignified in what house?
- Tenth house
 - First house
 - Eleventh house
 - Ninth house

20. An intercepted sign is one that:
- Contains no planets or nodes
 - Is totally contained within a house
 - Contains its ruling planet
 - None of the above
21. During 2017 what aspect was Saturn making to Uranus?
- Square
 - Quincunx
 - Sextiles
 - Trine
22. Using the derived house system, which house would represent your daughters' husband?
- 7 house
 - 10 house
 - 9 house
 - 11 house
23. A person has Jupiter at 0 degrees Aquarius, Sun at 0 degrees Libra, and Saturn at 29 degrees Taurus. The aspect pattern formed is known as?
- Grand Trine
 - Yod
 - Kite
 - T square
24. When astrologically examining a political election, you would use:
- Relationship Astrology
 - Mundane Astrology
 - Horary Astrology
 - Electional Astrology
25. The first Jupiter return occurs:
- Between ages 14 and 15
 - Between ages 27 and 29
 - Between ages 38 and 42
 - Between ages 11 and 12

END OF SECTION 4

END OF EXAM