



# 2020 CALCULATION EXAM

**PLEASE READ THE INSTRUCTION SHEET BEFORE PROCEEDI**

## 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 17<sup>th</sup> August 2020**. If posted please make sure they are date stamped to indicate by 4pm on Monday 17<sup>th</sup> August 2020. 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.

## INSTRUCTIONS (Cont.)

- 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 Examiners' 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 2020

## SECTION 1 - Total 30 marks

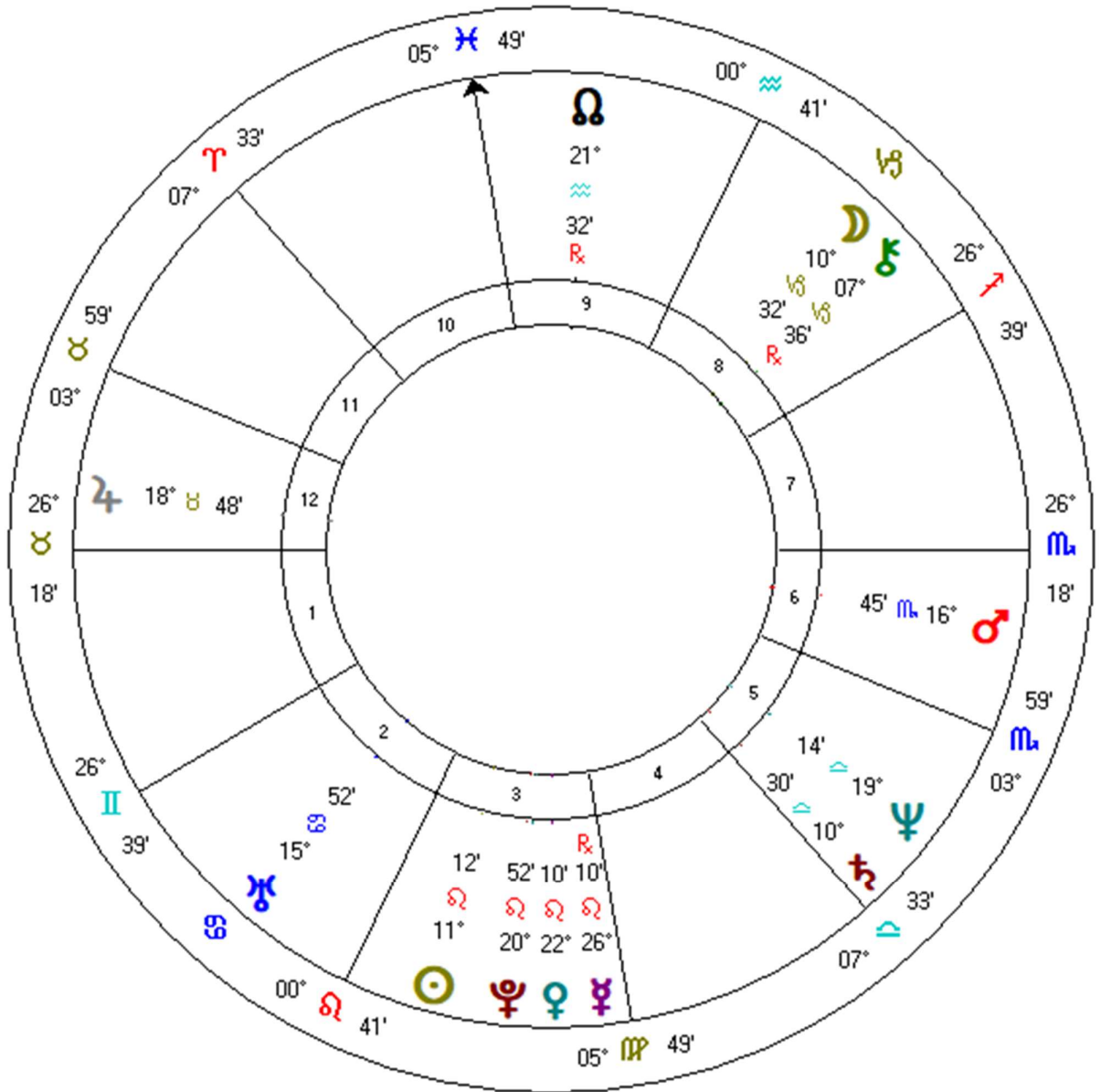
*Working out sheets to be provided with all the answers in this section.*

- Q1 Calculate the House cusps to within a degree for the following two sets of data:
- |     |  |   |          |
|-----|--|---|----------|
| (a) | 19 March 1989<br>Sydney, NSW<br>Standard Time Zone<br>Daylight Savings         | 0:53 am<br>33S52 151E13<br>- 10 hours east of Greenwich<br>yes – 1 hour | 10 marks |
| (b) | 25 August 1970<br>Rheinberg, Germany<br>Standard Time Zone<br>Daylight Savings | 12:10pm<br>51 N 33 6 E 35<br>- 1 hour east of Greenwich<br>No           | 10 marks |
- Q2 Calculate the longitudinal positions of the following planets to within 30 minutes of zodiacal longitude. All data below is in GMT.
- |             |                  |          |          |
|-------------|------------------|----------|----------|
| 1. Sun:     | 26 October 1956  | 11:45am  | 10 marks |
| 2. Moon     | 4 August 1954    | 9:00pm   |          |
| 3. Mercury: | 9 July 1987      | 1:20pm   |          |
| 4. Venus:   | 28 February 1958 | 2:21am   |          |
| 5. Mars:    | 27 August 1984   | 10:15 am |          |

**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 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 What is the Luration Phase for this chart? 1 mark
- Q4 Calculate the Short Arc Midpoint of Jupiter and Neptune to the nearest degree. 2 marks
- Q5 Which houses are intercepted? 1 mark
- Q6 List one planet in its detriment and one planet in its rulership. 1 mark
- Q7 Which planet rules the Ascendant and what sign and house is it in? 1 mark
- Q8 Using the nocturnal formula, calculate the Part of Fortune to the nearest degree. 2 marks

**END OF SECTION 2**

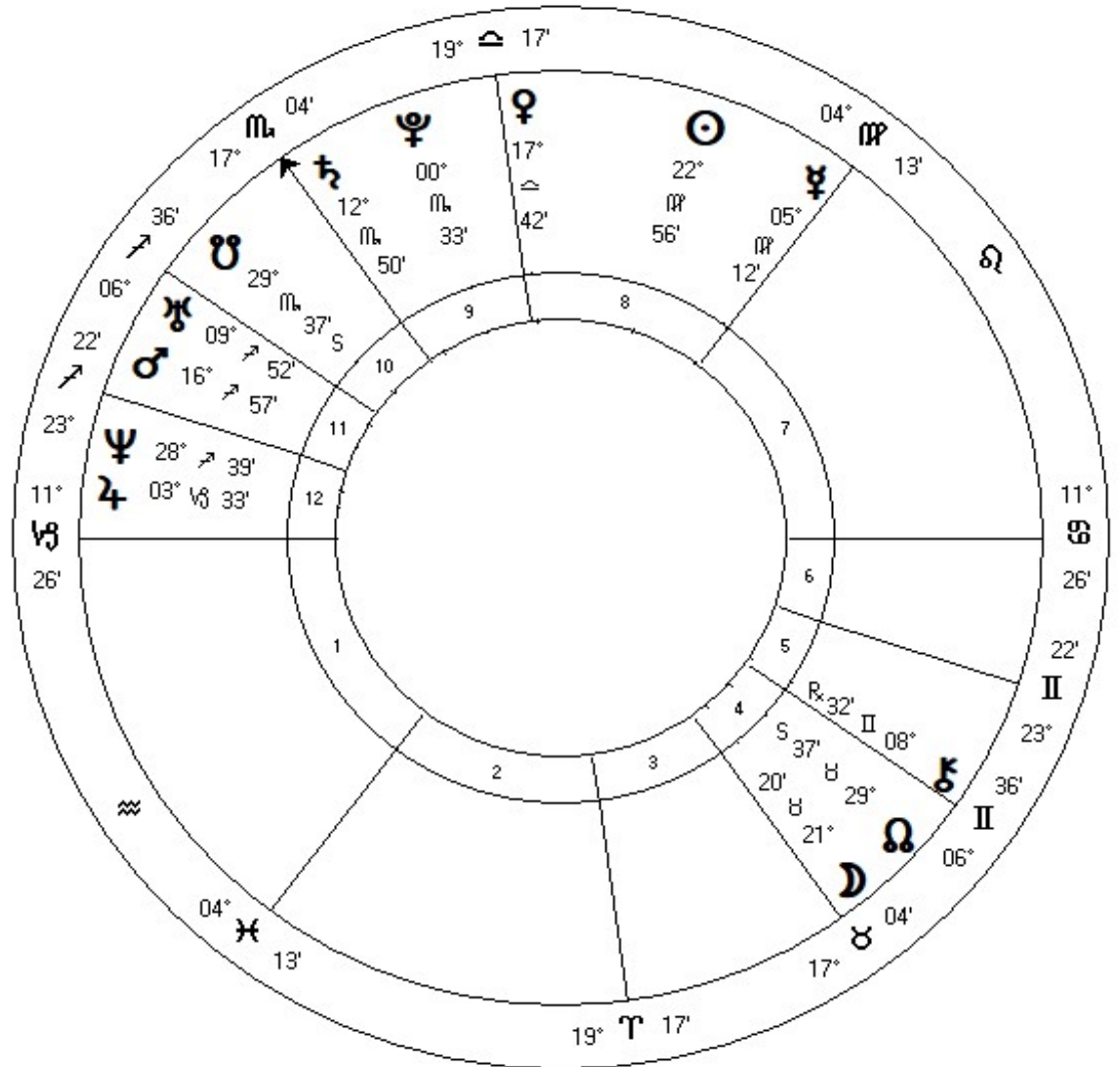
## SECTION 3 – TOTAL 30 MARKS

### Harry, Prince of Wales - Placidus

#### Natal Chart

15 Sep 1984, Sat  
 4:20 pm BST -1:00  
 London, UK  
 51°N30' 000°W10'

*Geocentric*  
*Tropical*  
*Placidus*  
*True Node*  
 Rating: B



### SECTION 3 (Cont.)

All questions in this section relate to Prince Harry'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*

**Prince Harry's ACD:** Midnight ephemeris: ACD = 25 January 1984  
Noon ephemeris: ACD = 27 Jul 1984

- |    |   |           |
|----|---|-----------|
| Q1 | Calculate a [12] monthly Secondary Progressed Moon table for Prince Harry for 2020, starting from January 25 to the nearest 30 minutes of arc.                    | 6 marks   |
| Q2 | How old will Harry be when he experiences his 2 <sup>nd</sup> Secondary Progressed New Moon? What degree and sign is it found in?                                 | 3 marks   |
| Q3 | At what age will Harry's Progressed Venus conjunct his natal Midheaven?   | 2 marks   |
| Q4 | How old will Harry be when his Solar Arc Saturn conjuncts his natal Mars?   | 3 marks   |
| Q5 | During 2021 and 2022 transiting Neptune will oppose Harry's natal Sun. List the <u>exact</u> GMT dates. <i>No working out sheet required.</i>                     | 3 marks   |
| Q6 | Using a one-degree orb, both separating and applying, list the GMT periods when transiting Uranus will conjunct Harry's IC. <i>No working out sheet required.</i> | 3 marks   |
| Q7 | List the exact GMT date when Harry experienced his most recent Jupiter return. <i>No working out sheet required.</i>  | 1.5 marks |
| Q8 | List the exact [GMT] dates and zodiacal degrees of all Solar and Lunar Eclipses for 2021. <i>No working out sheet required.</i>                                   | 2 marks   |



### SECTION 3 (Cont.)

- Q9 What were the exact [GMT] periods when Venus was retrograde during 2020?  
*No working out sheet required.* 1.5 marks
- Q10 Calculate the GMT Adjusted Calculation Date for the following birth data:  
August 20 1960 at 1.30pm [13.30 hours]  
Melbourne, Australia 5 marks  
Standard Time Zone: -10 hours (no daylight savings time)

**END OF SECTION 3**

## SECTION 4 - TOTAL 20 MARKS

Answer ONLY 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. Mars detriment occurs in what sign?
  - a. Aries
  - b. Libra
  - c. Aquarius
  - d. Cancer
  
2. The maximum separation between Venus and the Sun in a geocentric chart is what degree?
  - a. 88
  - b. 48
  - c. 28
  - d. None of the above
  
3. Ceres is now defined as an?
  - a. Kuiper Belt Object
  - b. Dwarf Planet
  - c. Comet
  - d. Both b and c
  
4. The Sun reaches its maximum declination north and south of the equator [and is overhead at the Tropic of Capricorn and Cancer] at?
  - a. The Equinoxes
  - b. The Solstices
  - c. Beginning of Spring
  - d. None of these
  
5. Which aspect is NOT a 4<sup>th</sup> Harmonic aspect?
  - a. Conjunction
  - b. Square
  - c. Opposition
  - d. Sextile
  
6. The Inferior Conjunction of Venus and the Sun returns to the same sign of the zodiac every?
  - a. 5 years
  - b. 8 years
  - c. 19 months
  - d. 40 years

## SECTION 4 (Cont.)

7. Which of these bodies is not a Kuiper Belt Object?
  - a. Uranus
  - b. Pluto
  - c. Eris
  - d. Makemake
  
8. Which of the following pairs of planets are in mutual reception?
  - a. Venus in Libra and Mars in Aries
  - b. Jupiter in Leo and Sun in Sagittarius
  - c. Mars in Pisces and Saturn in Aries
  - d. Moon in Aries and Mercury in Cancer
  
9. The dwarf planet Eris has a cycle of?
  - a. 248 years
  - b. 84 years
  - c. 557 years
  - d. None of the above
  
10. An aspect of 40 degrees is known as?
  - a. Septile
  - b. Novile
  - c. Quintile
  - d. Decile
  
11. Which planet spends the least amount of its time going retrograde?
  - a. Venus
  - b. Mars
  - c. Uranus
  - d. Mercury
  
12. Which of the following planets could be the final dispositor in a chart?
  - a. Mars in Leo
  - b. Mars in Aries
  - c. Saturn in Capricorn
  - d. Both b and c
  
13. Mars moves retrograde?
  - a. Once every 25-6 months
  - b. Once a year
  - c. Twice a year
  - d. None of the above

## SECTION 4 (Cont.)

14. The Saturn Jupiter conjunction takes place every?
  - a. 18 years
  - b. 20 years
  - c. 29 years
  - d. None of the above
  
15. In Roman mythology, the God Saturn was the father of?
  - a. Jupiter
  - b. Pluto
  - c. Neptune
  - d. All of the above
  
16. In Medical Astrology the kidneys are ruled by?
  - a. Libra
  - b. Taurus
  - c. Virgo
  - d. Scorpio
  
17. The time it takes the Vernal Equinox to completely precess through one sign of the zodiac is known as the "Great Month". The Great Month is approximately?
  - a. 2160 years
  - b. 365 days
  - c. 25,800 years
  - d. 12,000 years
  
18. The Black Moon Lilith is the?
  - a. Lunar perigee
  - b. Point where the Moon crosses the ecliptic
  - c. Lunar apogee
  - d. A satellite of the Moon
  
19. Saturn is said to be dignified in what house?
  - a. Tenth house
  - b. First house
  - c. Eleventh house
  - d. Ninth house

## SECTION 4 (Cont.)

20. Which sign is not a mutable sign?
- Aries
  - Virgo
  - Gemini
  - Pisces
21. During 2020 what aspect is Pluto making to Jupiter?
- Square
  - Conjunction
  - Sextiles
  - Trine
22. Using the derived house system, which house would represent your mother's brother?
- 6th house
  - 10th house
  - 3<sup>rd</sup> house
  - None of the above
23. A person has Chiron at 0 degrees Aquarius, Sun at 2 degrees of Scorpio and Uranus at 2 degrees of Leo. The aspect pattern formed is known as?
- Grand Trine
  - Yod
  - Kite
  - T square
24. When finding an auspicious date for an operation you would use?
- Relationship Astrology
  - Mundane Astrology
  - Horary Astrology
  - Electional Astrology
25. The Chiron return occurs around the age of?
- Between ages 29 – 30
  - Between ages 49 - 51
  - Between ages 58-59
  - None of the above

**END OF SECTION 4**

**END OF EXAM**