| Write your name here Surname                                | Other na                     | ames             |
|---|------------------------------|------------------|
| Pearson Edexcel International Advanced Level                | Centre Number                | Candidate Number |
| Psycholog   |                              |                  |
| International Advar<br>Paper 2: Biological I<br>Theories ar |                              | arning           |
| Paper 2: Biological I                                       | Psychology, Leand Developmen | arning           |

### **Instructions**

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.

### Information

- The total mark for this paper is 96.
- The marks for **each** question are shown in brackets
  - use this as a guide as to how much time to spend on each question.
- The list of formulae and critical value tables are printed at the start of this paper.
- Candidates may use a calculator.

### **Advice**

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

P 5 2 1 9 1 A 0 1 3 2

Turn over ▶



### **FORMULAE AND STATISTICAL TABLES**

Standard deviation (sample estimate)

$$\left(\frac{\sum (x-\bar{x})^2}{n-1}\right)$$

Spearman's rank correlation coefficient

$$1 - \frac{6\sum d^2}{n(n^2 - 1)}$$

**Critical values for Spearman's rank** 

|    | Level of | significan | ce for a o | ne-taile  | d test |
|----|----------|------------|------------|-----------|--------|
|    | 0.05     | 0.025      | 0.01       | 0.005     | 0.0025 |
|    | Level of | significan | ce for a t | wo-tailed | d test |
| n  | 0.10     | 0.05       | 0.025      | 0.01      | 0.005  |
| 4  | 1.000    | 1.000      | 1.000      | 1.000     | 1.000  |
| 5  | 0.700    | 0.900      | 0.900      | 1.000     | 1.000  |
| 6  | 0.657    | 0.771      | 0.829      | 0.943     | 0.943  |
| 7  | 0.571    | 0.679      | 0.786      | 0.857     | 0.893  |
| 8  | 0.548    | 0.643      | 0.738      | 0.810     | 0.857  |
| 9  | 0.483    | 0.600      | 0.683      | 0.767     | 0.817  |
| 10 | 0.442    | 0.564      | 0.649      | 0.733     | 0.782  |
| 11 | 0.418    | 0.527      | 0.609      | 0.700     | 0.755  |
| 12 | 0.399    | 0.504      | 0.587      | 0.671     | 0.727  |
| 13 | 0.379    | 0.478      | 0.560      | 0.648     | 0.698  |
| 14 | 0.367    | 0.459      | 0.539      | 0.622     | 0.675  |
| 15 | 0.350    | 0.443      | 0.518      | 0.600     | 0.654  |
| 16 | 0.338    | 0.427      | 0.503      | 0.582     | 0.632  |
| 17 | 0.327    | 0.412      | 0.482      | 0.558     | 0.606  |
| 18 | 0.317    | 0.400      | 0.468      | 0.543     | 0.590  |
| 19 | 0.308    | 0.389      | 0.456      | 0.529     | 0.575  |
| 20 | 0.299    | 0.378      | 0.444      | 0.516     | 0.561  |
| 21 | 0.291    | 0.369      | 0.433      | 0.503     | 0.549  |
| 22 | 0.284    | 0.360      | 0.423      | 0.492     | 0.537  |
| 23 | 0.277    | 0.352      | 0.413      | 0.482     | 0.526  |
| 24 | 0.271    | 0.344      | 0.404      | 0.472     | 0.515  |
| 25 | 0.265    | 0.337      | 0.396      | 0.462     | 0.505  |
| 26 | 0.260    | 0.330      | 0.388      | 0.453     | 0.496  |
| 27 | 0.255    | 0.323      | 0.381      | 0.445     | 0.487  |
| 28 | 0.250    | 0.317      | 0.374      | 0.437     | 0.479  |
| 29 | 0.245    | 0.312      | 0.367      | 0.430     | 0.471  |
| 30 | 0.241    | 0.306      | 0.361      | 0.423     | 0.463  |

The calculated value must be equal to or exceed the critical value in this table for significance to be shown.



## **Chi-squared distribution formula**

$$X^{2} = \sum \frac{(O-E)^{2}}{E}$$
  $df = (r-1)(c-1)$ 

## Critical values for chi-squared distribution

| Level ( | of signif | ficance for | a one-tailed | test |
|---------|-----------|-------------|--------------|------|
|---------|-----------|-------------|--------------|------|

|    | 0.10  | 0.05       | 0.025       | 0.01       | 0.005       | 0.0005 |
|----|-------|------------|-------------|------------|-------------|--------|
|    |       | Level of s | ignificance | for a two- | tailed test |        |
| df | 0.20  | 0.10       | 0.05        | 0.025      | 0.01        | 0.001  |
| 1  | 1.64  | 2.71       | 3.84        | 5.02       | 6.64        | 10.83  |
| 2  | 3.22  | 4.61       | 5.99        | 7.38       | 9.21        | 13.82  |
| 3  | 4.64  | 6.25       | 7.82        | 9.35       | 11.35       | 16.27  |
| 4  | 5.99  | 7.78       | 9.49        | 11.14      | 13.28       | 18.47  |
| 5  | 7.29  | 9.24       | 11.07       | 12.83      | 15.09       | 20.52  |
| 6  | 8.56  | 10.65      | 12.59       | 14.45      | 16.81       | 22.46  |
| 7  | 9.80  | 12.02      | 14.07       | 16.01      | 18.48       | 24.32  |
| 8  | 11.03 | 13.36      | 15.51       | 17.54      | 20.09       | 26.12  |
| 9  | 12.24 | 14.68      | 16.92       | 19.02      | 21.67       | 27.88  |
| 10 | 13.44 | 15.99      | 18.31       | 20.48      | 23.21       | 29.59  |
| 11 | 14.63 | 17.28      | 19.68       | 21.92      | 24.73       | 31.26  |
| 12 | 15.81 | 18.55      | 21.03       | 23.34      | 26.22       | 32.91  |
| 13 | 16.99 | 19.81      | 22.36       | 24.74      | 27.69       | 34.53  |
| 14 | 18.15 | 21.06      | 23.69       | 26.12      | 29.14       | 36.12  |
| 15 | 19.31 | 22.31      | 25.00       | 27.49      | 30.58       | 37.70  |
| 16 | 20.47 | 23.54      | 26.30       | 28.85      | 32.00       | 39.25  |
| 17 | 21.62 | 24.77      | 27.59       | 30.19      | 33.41       | 40.79  |
| 18 | 22.76 | 25.99      | 28.87       | 31.53      | 34.81       | 42.31  |
| 19 | 23.90 | 27.20      | 30.14       | 32.85      | 36.19       | 43.82  |
| 20 | 25.04 | 28.41      | 31.41       | 34.17      | 37.57       | 45.32  |
| 21 | 26.17 | 29.62      | 32.67       | 35.48      | 38.93       | 46.80  |
| 22 | 27.30 | 30.81      | 33.92       | 36.78      | 40.29       | 48.27  |
| 23 | 28.43 | 32.01      | 35.17       | 38.08      | 41.64       | 49.73  |
| 24 | 29.55 | 33.20      | 36.42       | 39.36      | 42.98       | 51.18  |
| 25 | 30.68 | 34.38      | 37.65       | 40.65      | 44.31       | 52.62  |
| 26 | 31.80 | 35.56      | 38.89       | 41.92      | 45.64       | 54.05  |
| 27 | 32.91 | 36.74      | 40.11       | 43.20      | 46.96       | 55.48  |
| 28 | 34.03 | 37.92      | 41.34       | 44.46      | 48.28       | 56.89  |
| 29 | 35.14 | 39.09      | 42.56       | 45.72      | 49.59       | 58.30  |
| 30 | 36.25 | 40.26      | 43.77       | 46.98      | 50.89       | 59.70  |
| 40 | 47.27 | 51.81      | 55.76       | 59.34      | 63.69       | 73.40  |
| 50 | 58.16 | 63.17      | 67.51       | 71.42      | 76.15       | 86.66  |
| 60 | 68.97 | 74.40      | 79.08       | 83.30      | 88.38       | 99.61  |
| 70 | 79.72 | 85.53      | 90.53       | 95.02      | 100.43      | 112.32 |

The calculated value must be equal to or exceed the critical value in this table for significance to be shown.



### **Wilcoxon Signed Ranks test process**

- Calculate the difference between two scores by taking one from the other
- Rank the differences giving the smallest difference Rank 1

Note: do not rank any differences of 0 and when adding the number of scores, do not count those with a difference of 0, and ignore the signs when calculating the difference

- Add up the ranks for positive differences
- Add up the ranks for negative differences
- T is the figure that is the smallest when the ranks are totalled (may be positive or negative)
- N is the number of scores left, ignore those with 0 difference

### **Critical values for the Wilcoxon Signed Ranks test**

0.05

### Level of significance for a one-tailed test

0.025

0.01

| Level of signi | ficance for a tw                         | o-tailed test                  |
|----------------|--|--------------------------------|
| 0.1            | 0.05                                     | 0.02                           |
| 0              | _  | _                              |
| 2              | 0  | _                              |
| 3              | 2  | 0                              |
| 5              | 3  | 1                              |
| 8              | 5  | 3                              |
| 11             | 8  | 5                              |
| 13             | 10                                       | 7                              |
| 17             | 13                                       | 9                              |
|                | 0.1<br>0<br>2<br>3<br>5<br>8<br>11<br>13 | 0 - 2 0 3 2 5 3 8 5 11 8 13 10 |

The calculated value must be equal to or less than the critical value in this table for significance to be shown.



# BLANK PAGE SECTION A BEGINS ON THE NEXT PAGE.



### **SECTION A**

### Answer ALL questions in this section. Write your answers in the spaces provided.

1 Researchers investigated 20 students' final examination results and the relationship of the results to the number of days absent in an academic year.

The researchers used a Spearman's rank test to analyse the data and found a correlation of -0.39 between final examination results and total number of days absent.

|     | (a) Explain the type of correlation the researchers found.                    | (2) |
|-----|---|-----|
|     |   |     |
|     |   |     |
|     |   |     |
|     |   |     |
|     | (b) State <b>two</b> reasons why the researchers used a Spearman's rank test. | (2) |
| 1.  |   |     |
|     |   |     |
|     |   |     |
|     |   |     |
| 2 . |   |     |
|     |   |     |
|     |   |     |

| e researchers used a Spearman's rank test and decided a directional (one-tailed) oothesis at P<0.05 level of significance was appropriate. |     |
|--|-----|
| Describe whether the results of the researchers' investigation were significant at p<0.05 for a directional (one-tailed) test.             |     |
| The critical value table can be found in the formulae and statistics table at the front of this paper.                                     |     |
| Home of this paper.  | (2) |
|  |     |
|  |     |
|  |     |
|  |     |
|  |     |

PhysicsAndMathsTutor.com

(Total for Question 1 = 6 marks)

| 2 | (a) Describe <b>one</b> hormone that may cause aggressive behaviour in males.   | (2)      |
|---|---|----------|
|   |   |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   | (b) Explain <b>one</b> strength and <b>one</b> weakness of research into the influence of hormones on aggressive behaviour. |          |
|   |   | (4)      |
|   | Strength  |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   | Weakness  |          |
|   | Wedniess  |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   |   |          |
|   | (Total for Question 2 =   | 6 marks) |
|   |   |          |

# BLANK PAGE QUESTION 3 BEGINS ON THE NEXT PAGE.



A psychology research team decided to investigate whether temperature affects mood.

The team asked five volunteer participants to complete a self-report questionnaire about their mood when they were in a room that was at 11°C and then when they were in a room that was at 22°C. Participants were scored on a scale of 0 to 30, with 30 being a high positive mood score.

The results of the study are given in **Table 1** below.

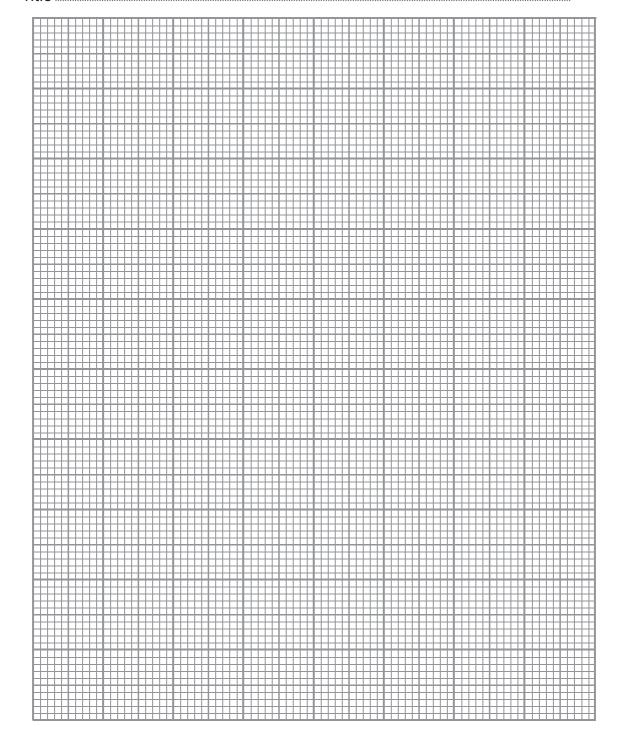
| Participant | Mood score (out of 30)<br>in a room at 11°C | Mood score (out of 30)<br>in a room at 22°C |
|-------------|---|---|
| 1           | 10  | 15  |
| 2           | 10  | 20  |
| 3           | 5   | 15  |
| 4           | 15  | 25  |
| 5           | 20  | 30  |

Table 1

(3)

| (a) | Draw a | scatter | diagram | to | represent | the | data | in | Table | 1. |
|-----|--------|---------|---------|----|-----------|-----|------|----|-------|----|
|-----|--------|---------|---------|----|-----------|-----|------|----|-------|----|

Title \_\_\_\_\_



| (b) State <b>one</b> conclusion that can be drawn from the d   | data in <b>Table 1</b> . (1)     |
|--|----------------------------------|
| (c) Explain <b>one</b> strength and <b>one</b> weakness of using song gather data on mood in this investigation. | elf-report questionnaires to     |
| Strength   |                                  |
|  |                                  |
|  |                                  |
|  |                                  |
| Weakness   |                                  |
|  |                                  |
|  |                                  |
|  |                                  |
|  | (Total for Question 3 = 8 marks) |

| Describe why Maria's menstrual cycle synchronised with the female students she lived with.  (4)  Describe <b>one</b> psychological symptom that may be experienced during menstruation.  (2) | ) Danavila s coloco NA .    | ala ma amatuu - l l -   | الماسوسات الماسوسات   | المعدداد بيام ماممد |     |
|--|-----------------------------|-------------------------|-----------------------|---------------------|-----|
| Describe one psychological symptom that may be experienced during menstruation. (2)  |                             | a's menstrual cycle syr | chronised with the fe | emale students she  |     |
| menstruation. (2)  |                             |                         |                       |                     | (4) |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
| menstruation. (2)  |                             |                         |                       |                     |     |
|  |                             |                         |                       |                     |     |
|  | o) Describe <b>one</b> psyc | hological symptom the   | at may be experience  | ed during           |     |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
| (Total for Question 4 = 6 marks)   |                             | hological symptom the   | at may be experience  | ed during           | (2) |
|  |                             | hological symptom the   | at may be experience  | ed during           | (2) |
|  |                             | hological symptom the   |                       |                     |     |

|    | 800  |
|----|--|
|    | <b>XX</b>  |
| -1 |  |
|    |  |
|    | ***  |
|    | 88.5   |
|    |  |
|    | (X) 25   |
|    | (Q) > 0  |
|    | X 24   |
|    |  |
|    | XXX  |
|    |  |
|    |  |
|    |  |
|    | ()X  |
|    | $X \times X$   |
|    | 77.35  |
|    | Ţ  |
|    |  |
|    |  |
|    | AKEA   |
|    | 1  |
|    |  |
|    | Ű  |
|    |  |
|    | XX   |
|    | 1.74.  |
|    |  |
|    |  |
|    |  |
|    |  |
|    | 1.   |
| 10 |  |
| 10 |  |
| -1 | $\times \times \times$   |
| -1 |  |
| -1 | 222  |
| -1 | 308  |
| -1 | XX   |
| -1 | (XX)   |
| -1 |  |
|    | $\geq \!\!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $ |
|    | $\langle \cdot \rangle \langle \cdot \rangle$                    |
|    |  |
|    |  |
|    |  |
|    |  |
|    | ***  |
|    | Z  |
|    | $\otimes \circ$  |
|    |  |
|    | $\sim$   |
|    |  |
|    |  |
|    |  |
|    |  |
|    | $\langle \langle \rangle \rangle \times \times$                  |
|    |  |
|    | $\times$   |
| н  | $\times$   |
| ı  | $\times$   |
|    | $\times$   |
|    |  |
|    |  |
|    |  |
|    |  |
|    |  |
|    | MIN LEV  |
|    | E IN THIS  |
|    | E IN THIS  |
|    | E IN THIS  |
|    | EIN THIS AKE   |
|    | EIN THIS AKE   |
|    | E IN THIS AREA   |
|    | E IN 1845 AREA   |
|    | E IN THIS AREA   |
|    | EIN I HIS AREA   |
|    | E IN THIS AKEA   |
|    | EIN IEIS AKEA  |
|    | EIN IFIS AKEA  |
|    | E IN IHIS AREA   |
|    | EIN IMIS AKEA  |
|    | EIN IMIS AKEA  |
|    | E IN I MIS AREA  |
|    | EIN THIS AREA DO NO  |
|    | EIN THIS AKEA DO NOT   |
|    | EIN THIS AKEA DO NOT   |
|    | EIN THIS AKEA DO NOT V   |
|    | EIN THIS AKEA DO NOT V   |
|    | EIN THIS AKEA DO NOT V   |
|    | EIN I HIS AKEA DO NOI WKI  |
|    | EIN I HIS AREA CO NOI WRIT                                       |
|    | EIN THIS AREA DO NOT WRITE                                       |
|    | EIN I HIS AKEA DO NOT WRITE                                      |
|    | EIN I HIS AKEA DO NOT WRITE                                      |
|    | EIN I HIS AKEA DO NOT WRITE                                      |
|    | EIN HIS AREA DO NOT WRITE IN                                     |
|    | EIN I HIS AREA DO NOT WRITE IN I                                 |
|    | EIN I HIS AREA DO NOT WRITE IN I                                 |
|    | EIN I HIS AREA CO NOT WRITE IN TH                                |
|    | EIN I HIS AREA CO NOT WRITE IN TH                                |
|    | EIN THIS AREA DO NOT WRITE IN THIS                               |
|    | EIN THIS AREA DO NOT WRITE IN THIS A                             |
|    | EIN THIS AREA DO NOT WRITE IN THIS A                             |
|    | EIN THIS AREA DO NOT WRITE IN THIS A                             |
|    | EIN I HIS AREA DO NOT WRITE IN I HIS ARE                         |
|    | EIN THIS AREA DO NOT WRITE IN THIS A                             |

| 5 | Evaluate the use of the correlational research method in psychology. |     |
|---|--|-----|
|   |  | (8) |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |
|   |  |     |

| (Total for Question 5 = 8 marks) |
|----------------------------------|
|                                  |
| TOTAL FOR SECTION A = 34 MARKS   |
|                                  |



# **SECTION B**

| _         |      |              |                  |             | _               | _             |           |
|-----------|------|--------------|------------------|-------------|-----------------|---------------|-----------|
| Answer    | ΔΙΙ. | augstions ir | n this section   | Write you   | ir answars in   | the chaces    | nrovided  |
| WIIDMEI I |      | questions n  | 1 (1113 36(11011 | . WILLE YOU | II aliowelo III | i tile spaces | piovideu. |

| 6 | Researchers were asked to plan a study to test whether children's television programmes showed positive or negative role model behaviour.  |       |
|---|--|-------|
|   | (a) Describe how the researchers could carry out a content analysis for their study.   |       |
|   | (a) Describe from the researchers could early out a content analysis for their study.  | (4)   |
|   |  | ( - / |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   |  |       |
|   | (la) Francisco de la constanta de la contrata del contrata del contrata de la contrata del contrata del contrata de la contrata de la contrata de la contrata de la contrata del contrata del contrata del contrata de la contrata del contrata |       |
|   | (b) Explain <b>one</b> weakness of content analysis.   |       |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   | (2)   |
|   | (b) Explain <b>one</b> weakness of content analysis.   |       |
|   |  |       |

(c) The mean scores of the data gathered for positive and negative role model behaviour in **five** children's television programmes are displayed in **Table 2**.

| Mean score for observed positive role model behaviours | Mean score for observed negative role model behaviours |
|--|--|
| 12   | 28   |

PhysicsAndMathsTutor.com

|          | role model behaviours                         | role model behaviours                |     |  |
|----------|---|--------------------------------------|-----|--|
|          | 12  | 28                                   |     |  |
|          | Table 2                                       |                                      |     |  |
|          | gest why the researchers could select a       | standard deviation as an appropriate |     |  |
| mea      | sure of dispersion.                           |                                      | (1) |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
| d) Conv  | vert the mean scores for positive and ne      | egative role model behaviours in     |     |  |
| Tabl     | <b>e 2</b> to a ratio.                        |                                      | (1) |  |
|          | Space for calcula                             | tions                                | ,   |  |
|          | ·   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          | Ratio   |                                      |     |  |
| e) Expla | ain <b>one</b> weakness of the sample used ir | n this study.                        | (2) |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |
|          |   |                                      |     |  |

(Total for Question 6 = 10 marks)



| 7 | Rina wants to encourage her three-year-old daughter Sangita to clean her teeth.   |                 |
|---|---|-----------------|
|   | Describe how Rina could encourage Sangita to clean her teeth using principles from operant conditioning.  |                 |
|   |   | (4)             |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
|   |   |                 |
| _ | (Total for Question 7 = 4 ma  | rks)            |
| 8 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  | rks)            |
| 8 | During your course you will have learned about Capafóns et al's (1998) contemporary   | rks)            |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | <b>rks)</b> (2) |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |
| 1 | During your course you will have learned about Capafóns et al's (1998) contemporary study.  (a) Identify <b>two</b> aims of Capafóns et al's (1998) contemporary study. | (2)             |

18

| (b) Describe the proce | edure used in Capafór | ns et al's (1998) o | contemporary stud | dy.<br>(4) |
|------------------------|-----------------------|---------------------|-------------------|------------|
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |
|                        |                       |                     |                   |            |

| (c) Explain <b>one</b> strength and <b>one</b> weakness of Capafo study. | óns et al's (1998) contemporary |     |
|--|---------------------------------|-----|
| ·  |                                 | (4) |
| Strength   |                                 |     |
| Stiength   |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
| Weakness   |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
| (d) Justify <b>one</b> improvement that could be made to the             | he sample used by Capafóns et   |     |
| al. (1998) in their contemporary study.                                  |                                 |     |
|  |                                 | (2) |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  |                                 |     |
|  | (Total for Question 8 = 12 ma   |     |

| 9 | Evaluate Freud's psychosexual stages in the development of personality. | (8) |
|---|---|-----|
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |
|   |   |     |



| <br>                             |
|----------------------------------|
| <br>                             |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
| <br>                             |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
| <br>                             |
|                                  |
| <br>                             |
|                                  |
| <br>                             |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
|                                  |
| (Total for Question 9 = 8 marks) |
| TOTAL FOR SECTION B = 34 MARKS   |

# **SECTION C**

| Answer ALL questions in this section. Write your answers in the spaces provided.  |  |  |
|---|--|--|
| 10 The structure of the brain, different brain areas and brain functioning have been put forward as an explanation of human aggression. |  |  |
| To what extent do you agree that this is a complete explanation of human aggression? (12)   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |
|   |  |  |



| <br>                               |
|------------------------------------|
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
| <br>                               |
|                                    |
|                                    |
| <br>                               |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
| (Total for Question 10 = 12 marks) |
|                                    |



| 11 | In your psychology course you will have learned about both biological and learning and development therapies.                 |      |
|----|---|------|
|    | Afia's Seasonal Affective Disorder seems to get worse in the winter and it has been suggested that she undergo light therapy. |      |
|    | Assess whether this is the only therapy Afia should consider.   | (16) |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |
|    |   |      |



| <br>                               |
|------------------------------------|
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
| <br>                               |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
|                                    |
| (Total for Question 11 = 16 marks) |
| (Total for Question 11 = 16 marks) |
| (Total for Question 11 = 16 marks) |
|                                    |
|                                    |
| TOTAL FOR SECTION C = 28 MARKS     |
| TOTAL FOR SECTION C = 28 MARKS     |
|                                    |
| TOTAL FOR SECTION C = 28 MARKS     |



# **BLANK PAGE**

### **BLANK PAGE**



# **BLANK PAGE**