GCE

## Psychology

Advanced Subsidiary GCE

## Mark Scheme for June 2013

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

OCR will not enter into any discussion or correspondence in connection with this mark scheme.

1. Annotations

| Annotation | Meaning |
| :---: | :---: |
| $\stackrel{3}{1}$ | Unclear |
| $\square$ | Attempts evaluation |
| [.] [] | Benefit of doubt |
| W | Context |
| 3 | Cross |
| Eval | Evaluation |
| $\square$ | Extendable horizontal line |
| M | Extendable horizontal wavy line |
| Werct | Significant amount of material which doesn't answer the question |
| [P] | Not answered question |
| [14] | Good use of resources |
| - | Tick |
| - | Development of point |
| $\square$ | Omission mark |

## Section A

Psychologists used the self-report method to investigate gambling behaviour. They placed an advert in a local newspaper asking for men and women aged 16 to 50 to apply. Those who replied were sent a questionnaire in the post consisting of a number of open and closed questions. For example:
Q. Give reasons why you gamble
Q. Which of the following gambling activities do you engage in ?: $\square$ national lottery $\square$ fruit machines $\square$ poker $\square$ horse racing $\square$ football

| Question |  |  | Answer |  | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | (a) |  | The closed question is which of the following gambling activities do you engage in national lottery, fruit machines, poker, horse racing, football (closed question). It is a closed question because it limits the respondents choice of answer to a number of predetermined options. |  | Max 2 | -Simply saying 'the second question' is creditworthy for identifying which is the closed question. |
|  |  |  | The candidate has not provided any creditworthy information |  | 0 |  |
|  |  |  | Closed question correctly identified but no explanation of why it is closed | OR Explanation of what a closed question is in general | 1 |  |
|  |  |  | Closed question correctly identified and clear explanation of why it is a closed question |  | 2 |  |
| 1 | (b) |  | For example, on average, how much money do you spend on gambling each month $£ 0-10, \quad £ 11-20, \quad £ 21-30$ or, more than $£ 30$ |  | Max 2 | -Context here refers to gambling and any gambling activity |
|  |  |  | The candidate has not provided any creditworthy information |  | 0 | -Examples of categories of closed responses are required |
|  |  |  | Closed question suggested, but not in context | OR closed question suggested in context, but lacks clarity | 1 | -Where numerical categories overlap |
|  |  |  | Closed question clearly outlined and in context |  | 2 | (e.g. 1-10, 10-20, 20-30 etc) = unclear cap at one mark |





## Section B

Psychologists are interested in investigating if there is a correlation between age and ability to use the internet.

| Question |  | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: |
| 5 |  | For example ... <br> There will be a correlation between age and the ability to use the internet. | Max 4 | -Stating there will be a 'difference' or 'effect' should be awarded zero, regardless of what else is written |
|  |  | The candidate has not provided any creditworthy information | 0 |  |
|  |  | The candidate has written an appropriate alternate hypothesis but has simply stated 'there will be/is a correlation'. There is no indication of either of the measured variables | 1 |  |
|  |  | The candidate has written an appropriate alternate hypothesis but has simply stated 'there will be/is a correlation'. There is no indication of either of the measured variable. | 2 | -Use of the words 'link' or 'association' should be |
|  |  | The candidate has written an alternate hypothesis referring to both variables, but there is a lack of clarity about one of the measured variables or both | 3 | awarded zero |
|  |  | The candidate has written a clearly stated appropriate alternate hypothesis referring to both of the measured variables | 4 | -Accept one-tailed alternate hypotheses |
|  |  |  |  | -Null hypotheses should be awarded zero |
|  |  |  |  | -If both an alternate and null hypothesis are presented award zero |


| Question |  | Answer |  |  |  | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6 |  | Ability to use the internet could be measured in many different ways. For example: timing how long it takes participants to access a list of specific internet sites; assessing how many sites relevant to a specific topic can be found; <br> Evaluation points (of this suggested way to use the internet) could include low ecological validity as people may react differently when having/wishing to use the internet for their own reason/purposes; demand characteristics as a consequence of being watched whilst using the internet etc.. However, reliability would be high if the same standard web sites had to be accessed for example. <br> The candidate has not provided any creditworthy information |  |  |  | $\begin{gathered} \text { Max } \\ 10 \end{gathered}$ | -Context here refers to the internet, websites or reference to a computer etc <br> -Details of sample and sampling method are not required, just details of the ability to use the internet |
|  |  |  |  |  |  | 0 |  |
|  |  | Attempt to describe a way to measure ability to use the internet only - replication not possible |  | OR attempt ability to use described (i | valuate a way to measure internet that has not been tempted evaluation only) | 1-2 | replicable (e.g. number of websites related to a specific <br> topic accessed in a given time |
|  |  | Detailed description of a way to measure ability to use the internet that would allow full replication, but no evaluation. If only minor omissions 3 marks |  | OR attempt ability to use omissions th and attemp | describe a way to measure internet but with some make replication difficult evaluate it | 3-4 | period etc). <br> -Note candidates' suggestions must generate a quantifiable |
|  |  | Detailed description of a way to measure ability to use the internet that would allow full replication, and attempt at evaluation (whether in context or not) | OR attempt to describe a way to measure ability to use the internet, with just minor omissions that make replication difficult, but evaluation not in context (6 marks = evaluation attempted in context) |  | OR attempt to describe a way to measure ability to use the internet but with some omissions that make replication difficult, but with clear and detailed evaluation, in context or not $=5$ marks maximum | 5-6 | figure for each participant to enable use in a correlation. <br> -Nominal data, such as yes/no managed to access a specific website is not appropriate on its own for full credit. |
|  |  | Detailed description of a way to measure <br> ability to use the internet that would allow <br> full replication and clear, detailed evaluation <br> but not in contextOR attempt to describe a way to measure <br> ability to use the internet, with just minor <br> omissions that make replication difficult, <br> but detailed evaluation mainly in context |  |  |  | 7-8 | sites, so thereby achieving a score for each participant (e.g. out of 10) is acceptable |
|  |  | For 9 marks - detailed description of a way to measure ability to use the internet that would allow replication and clear, detailed evaluation with reference to at least one evaluation issue in context <br> For 10 marks - Detailed description of a way to measure ability to use the internet that would allow replication and clear, detailed evaluation with reference to two or more appropriate evaluation issues in context |  |  |  | 9-10 | -Lack of details on scoring = 'minor omissions' <br> -'some omission' = e.g. details of actual tasks set are not specified (e.g. just saying 'participants had to complete a set of tasks on the internet') |



## Section C

A researcher conducted a study to investigate the behaviour of people who came to sit on a bench in a park one day in summer. The researcher stood out of sight behind a tree several metres away and recorded what was happening every 10 minutes for a period of 15 seconds between 10 am and 2 pm . The table below shows the number of times different behaviours were observed.

| Reading | Eating | Using <br> mobile phone | Talking to <br> another person | Sat quietly <br> doing nothing |
| :---: | :---: | :---: | :---: | :---: |
| 12 | 6 | 8 | 5 | 2 |


| Question |  | Answer | Marks | Guidance |
| :--- | :--- | :--- | :---: | :---: |
| $\mathbf{8}$ | A structured observation is one which uses an explicitly, pre-defined coding framework for <br> recording data that clearly outlines the behavioural categories to be used. | Max 2 | -Context is not necessary for <br> full marks here, but is okay if <br> included |  |
|  |  | The candidate has not provided any creditworthy information | 0 | 1 |
|  |  | Attempt to explain what structured observation is but lacks clarity | 2 | -Responses about <br> observation in general are <br> not creditworthy (e.g. just <br> watching people') |







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