



# BBG SENTINELS

PSYCHOLOGY PAPER 1,

1 HOUR 45 MINUTES

## Development, memory, neuropsychology, research methods

### Development

#### Content

- Interpretation of data and analysis of results
- Dweck – fixed and growth mindset
- Brain anatomy and their role in development
- Stages of morality
- Stages of cognitive development
- Role of education
- Willingham's learning theory

#### Key studies (not exhaustive)

- Dweck
- Piaget and Inhelder
- Willingham

### Memory

#### Content

- Interpretation of data and analysis of results
- Structure and process of memory
- Multi-store model of memory
- The features of short-term and long-term memory

#### Key studies (not exhaustive)

- Bartlett
- Peterson and Peterson
- Atkinson and Shiffrin
- Theory of reconstructive memory

### Neuropsychology

#### Content

- Interpretation of data and analysis of results
- Structures and functions and role of the brain
- Lateralisation of function in the hemispheres including gender differences
- Impact of neurological damage on cognitions and behaviour

#### Key studies (not exhaustive)

- Damasio et al
- Sperry

### Research methods

#### Content

- Be able to identify variables
- Able to write and understand hypotheses
- Methods of Sampling
- Experimental and research design
- Reliability and validity
- Ethical issues
- Data handling and presentation
- Qualitative and quantitative data
- Primary and secondary data
- Be able to understand and use, including calculations: a. mean, and finding arithmetic means b. median c. mode d. ratios e. fractions f. percentages g. range as a measure of dispersion h. know the characteristics of normal distributions