

d Explain the role of the following biological bases in intellectual giftedness;

- i) Testosterone. (4 Marks)
- ii) The nervous system. (6 Marks)

e Explain how a teacher can motivate gifted learners to ~~teach~~ ^{reach} their full potential. (6 Marks)

SECTION B

- 2. a) Describe the main types of handedness exhibited by the gifted and talented. (10 Marks)
- b) Discuss the theoretical basis for gifted handedness. (10 Marks)
- 3. a) Explain the distinction between interdisciplinary and trans-disciplinary approaches to the study of the gifted and talented. (6 Marks)
- b) Describe the factors that enable monozygotic and dizygotic twins to develop intellectually. (14 Marks)
- 4. a) ~~Explain the main reasons behind low and inconsistent reasoning among learners below six years.~~ (10 Marks)
- b) Explain the relationship between Hans Eyesenk's primary temperaments and intellectual functioning. (10 Marks)
- 5. Discuss the criteria for the identification of mathematically gifted ^{learners} ~~barriers~~ in school. (20 Marks)

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