INSTRUCTIONS

Answer must be written in the medium specified in the Admission Certificate issued to you, which must be stated clearly on the cover of the answer book in the space provided for the purpose. No marks will be given for the answers written in a medium other than that specified in the Admission Certificate.

Candidates should attempt Question 1 & 5 which are compulsory, and any three of the remaining questions, selecting at least one from each section.

All questions carry equal marks.

Parts of the same question must be answered together and must not be interposed between answers to other questions.

Illustrate your answer with suitable sketches, maps and diagrams, where appropriate.
SECTION A

1. Answer the following, each in not more than 100 words:
   (a) What is cognitive neuroscience and how is it related to Psychology? 10
   (b) How would you define Piaget’s Genetic Epistemology? 10
   (c) What are the biological basis of echoic memory? 10
   (d) What do you understand by mental model? 10
   (e) Outline essential differences between intelligence and aptitude. 10
   (f) Discuss in brief the gene-environment correlation. 10

2. (a) Creativity is a unique mix of divergent and convergent thinking both. Explain. 20
   (b) Discuss the motivational determinants of perception. 20
   (c) Give an example of stimulus generalization in social functioning. 10
   (d) What is Metamemory? 10

3. (a) What is psychogenic amnesia and how is it different from normal forgetting? 30
   (b) How does conceptual blending facilitate problem solving? 30

4. Is there any relationship between development of national character and social learning theories of personality? Elaborate. 60

SECTION B

5. Answer the following, each in not more than 100 words:
   (a) How does affect play a role in learning? 10
   (b) What is the Relational Frame Theory of language development? 10
   (c) Give an example of group serving bias. 10
   (d) Discuss Adler’s Style of Life. 10
   (e) What are the effects of dreaming on memory? 10
   (f) How would you define a brain-compute interface? 10

6. (a) How would you differentiate being emotional from being sentimental? How is emotional labor different from both? Explain, citing relevant examples. 30
   (b) Explain the concept of Universal Grammar? 30

7. (a) How stereotyping oneself could contribute to one’s success or failure? 30
   (b) What is the role of functional autonomy in habit formation and maintenance? 30

8. (a) How is hypnosis different from drug induced states? Discuss the medical and psychotherapeutic uses of hypnosis. 30
   (b) Consciousness, a reality or mere illusion? Critically evaluate citing relevant example. 30