Elective - IV : Cognitive Science

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Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Due credit will be given to neatness and adequate dimensions.
9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What is cognitive science? And what are the characteristics of representation? **7**

b) Explain in detail categories of Mental Representation. **6**

OR

2. a) List and explain the different types of Analogical Reasoning used in cognitive science. **6**

b) What is dual-coding Hypothesis? Explain computational steps involved in addition problem. **7**

3. a) Explain Dennett's multiple drafts model of consciousness. **7**

b) What are the different philosophical approaches used in philosophy? **6**

OR

4. a) Explain knowledge Acquisition problem in detail along with evaluation process. **7**

b) Explain Mind-Body problem in short. **6**

5. a) Demonstrate several of the gestalt principles of perceptual organization. Explain using diagrams. **7**

b) How Behaviorist Approach is evaluated? Explain. **7**

OR

6. Write short notes on. **14**
a) Mini minds.
b) Mind as a Black Box.
c) Minds on Exercise.

7. a) What do you mean by modularity of mind? Explain Evaluating the modular approach. **6**

	b)	What are the different theories of vision & pattern recognition used in cognitive science.	**7**

OR

8.	a)	Explain various early steps in the recognition of a stimulus object.	**7**
	b)	Explain in detail the cognitive approach : Mind on an Information processor.	**6**
9.	a)	Explain the Atkinson & Shiffrin (1968) model memory model.	**7**
	b)	Explain Brain Anatomy in brief.	**6**

OR

10.	a)	What are the memory effects used for problem solving for cognitive science.	**7**
	b)	Explain the Kosslyn and Schwartz theory of Visual Imagery.	**6**
11.	a)	Describe simplified schematic diagram of the hippocampal system.	**7**
	b)	List & explain different neural functions.	**7**

OR

12.	a)	What are the different categories of procedure for collecting data in Neuroscience.	**6**
	b)	Draw and explain diagram of Brain structure involved in the function and control of attention.	**8**

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