12. (a) Explain in detail the working of the following sections :

(i) File Section

(ii) Working-storage section. **3×2=6**

(b) Differentiate between :

(i) COBOL verb and clause

(ii) Merging and Matching. **3×2=6**

Or

What are the various conditional statements availalbe in COBOL ? Give their syntax and explain their working.

13. (a) How are 9, CR, DB, A, &, V, Z, PIC, I, X used in COBOL to justify the data and its output ? Explain with example. **6**

(b) COBOL is called business oriented language. Justify it. **5**

Or

Explain the basic four division of a COBOL's program. **11**

Roll No. ..... **Exam Code : J-19**

Subject Code—0118

P.G.D.C.A/M.Sc./M.C.A. EXAMINATION

(Main & Re-appear)

(Batch 2009 Onwards)

(Second Semester)

(MCA-3 Years)

BUSINESS DATA PROCESSING

MC-09

Time : 3 *Hours* *Maximum Marks :* 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. What is an Index ? What should indexes be used ?

2. Differentiate between top-down and bottom-up techniques.

3. Define the following with examples :

Records, files, master files, transaction files, back up files.

4. Differentiate between Margin A entry and Margin B entry with suitable examples.

5. Explain the working of the following levels :

77, 01, 02, 66, 88

And hence list our Margin A levels and Margin B levels.

6. Explain the working of the following arithmetic verbs with examples :

MULTIPLY, DIVIDE

7. Explain the role of following clauses with suitable examples :

VALUE, SYNC, COMP

8. Define the terms data verification data validation techniques. Explain the importance of these *two* technique with suitable example.

9. Arrange the following in the order in which they may occurs in a COBOL program :

SECTION, DIVISION, SENTENCE, CHARACTERS, PARAGRAPH, WORDS

10. Explain the action of OPEN and CLOSE statements. Give their formats and illustrate by examples.

Section B

Note : Attempt all the questions.

11. Explain the following with the help of examples : **6×2=12**

(a) SORT verb

(b) SEARCH verb.

Or

Differentiate the following :

(a) INSPECT and EXAMINE

(b) Data verification and data validation

(c) ACCEPT and READ

(d) DISPLAY and WRITE. **4×3=12**