Computer Application Exam. 2013
B.A./B.Com./B.Sc.- (Part-III)

Scheme:

Arts, Comm / Science

	Min. Pass Marks	**Max. Marks**
Theory:	47/54	Theory: 130/150
Practical :	25/27	Practical : 70/75

Paper –I	3 hrs. Duration		65/75 Marks
Paper –II	3 hrs. Duration		65/75 Marks
Practical	4 hrs. Duration		70/75 Marks

Paper I : Computer Graphics and Computer Aided Drafting

3 hrs. Duration   Max. Marks: 65(Arts/Comm.)/75(Science) Marks

Note: Total ten questions are to be set, taking two questions from each unit. Students are required to attempt five questions taking one question from each unit.

Unit – 1

Why graphics, various types of graphics programs. Drafting packages, DTP packages, Microsoft windows. Various documentations cum DTP packages e.g. work perfect, Microsoft word etc.

Unit – 2

Introduction to page – Marker/ ventura or similar packages, preparation of documents using DTP packages. Formating, printing various fonts and character set various type of printers.

Unit – 3

Introduction to commercial DTPSYSTEMS available in market. Indian language fonts. Creation of Indian language fonts. Practicals.

Unit – 4

Microsoft Window session. Creating groups and program items under windows, tuning windows for a computer system.
Preparation of a document and publishing it using a DTP system. Creation of fonts.

Unit – 5

Introduction to AUTOCAD, Autosketch and Auto Solid or a similar package. Advanced features of these packages. Drawing the plan of a building using AUTOCAD etc. Analysis features of UTOCAD.

Paper II : Entrepreneurship Development Course, Project Report & Report of the job Training I & II (E.D.P.)

3 hrs. Duration   Max. Marks: 65(Arts/Comm.)/75(Science) Marks

Note: Total ten questions are to be set, taking two questions from each unit. Students are required to attempt five questions taking one question from each unit.

Unit – 1

1. Need, scope and characteristics of entrepreneurship. Special schemes for Technical Entrepreneur, STED   2
2. Identification of opportunities   1
3. Exposure to demand based, resource based, service based, import substitute and export promotion industries   2
4. Market Survey Technique.   2

Unit – 2

5. Need scope and approaches for project formulation   1
6. Criteria for principles of product selection and development   2
7. Structure of project report   3
8. Choice of Technology plant and equipment   3
9. Institutions, Financial procedure and financial incentives   2
10. Financial ratios and their significance.

Unit – 3

11. Books of account, Financial statement and funds flow analysis   2
12. Energy requirement and utilization   2
13. Resource Management Men, Machine and Materials   2
14. Critical Path method (CPM) & Project Evaluation, Review Techniques (PERT)as planning tools for establishing SSI.   3
15. (a) Creativity and innovation
     (b) Problem solving approach
     (c) Strength weakness opportunity and threat (SWOT) Technique   1
16. Techno-economic feasibility of the project   5
17. Plant layout and process planning for the product   3
18. Quality control/ quality assurance and testing of product   3

Unit – 4

19. Elements of marketing and sales management   4
20. (a) Nature of product and market strategy   2
     (b) Strength weakness opportunity and threat   1
     (c) After Sales Service
21. Costing and pricing
22. Management of self and understanding human behavior
23. Sickness in small scale industries and their remedial measures   2

Unit – 5

24. Coping with uncertainties, stress management and positive reinforcement   2
25. (a) Licensing, registration   1
     (b) Municipal bye laws and insurance coverage   2
26. Imp. Provi. of Factory Act, Sales of goods Act, Partnership Act.   4
27. (a) Dilution control
     (b) social responsibility and business ethics   2

Document1

28. Income Tax, Sales and Excise rules.

PRACTICAL 15 hrs. Teaching Load

1. Conduct of minni market survey (one day exercise) Data Collection through questionnaire and personal visits.
2. Entrepreneurial Motivation Training and exercise Practice.
   Through games, role Playing discuss
3. (a) Working capital and fixed capital and assessment and management Practice
   (b) Exercise on working capital and fixed capital calculation, Practices
4. (a) Analysis of sample project report
   Discussion.
   (b) Break even analysis   Practice
5. Communication written and oral   Practice

Suggested Reading Material :

1. Deshapande M.V. : Enterpreneursip of small scale industries; concept, growth & management . Deep & Deep publication, D-1/24, Rajouri Garden, New Delhi- 110027.1984
2. Mc.Clealland DC: The achieving society. Prineton, N.J.D. Van Nostrand Co.N.Y., 1961
3. Meredith GG Newlson Retail: Practice of Enterpreneuship ILO, Geneva 1982
4. Pareek & Rao TV : Evtereneurship Learning System, New Delhi-1978
5. Rao TV & Pareek : Developing Enterrneuship –A Handbook
6. U.Vyas Jn.: Learning System. New Delhi-1982. Planning an industrial Unit I, neelkunj Neelkanth Park, Opp. Naranpura, Ahemedabad.
7. Welsh JA& Jerry FW : Enterpreneurs Master Planing Guide-How to launch a success full business. Prentice Hall, Englewook Cliffs, 1983.
8. Department of Induustrial : Incentives &Concession for Setting Deptt.of Industrial Development Govt. of Indial, New Delhi.
9. India Investment: Guide for Entrepreneurs. India Investment Industrial Centre Centre, Jeevan Vihar Building Sansad Marg, New Delhi.
10. Entrpreneuship Development: A hand book for Institute of India Entrepreneurs. (with Special reference to S&T group).
    Entrepreneurship Development Institute of India.

Note : The candidate is required to submit project report to the supervior to the restpective teach incarge, the concerning teacher incharge will suggest the basic puttines relted to the tranning programme to the done by the candidate during the tenure. Practicals design of layout of building. Design of interior of its rooms Printing and plotting the prepared drawings.

Distribution of Practical Marks:-

(A) For Science Students :-
   a. 15 Marks excerise bases on paper VII & IX (for paper-I of Part-III computer applications)
   b. 20 Marks-Project work carried out during B.Sc. pt.-III
   c. 15 Marks- report on the job training I & II

(B) For Students of Arts and Commerce : where practical is of 70 marks the marks distribution will be as follows:
   a. 20 Marks based on the exercise from paper VIII and XI.
   b. 30 Marks related project work carried out by the candidate.
   c. 20 Marks related to report on the Job Training I&II
      LIST OF HARDWARE AND SOFTWARES ITEMS Nos.

Hardware

PC at 386 DX	2
33 Mhz. 16 MB RAM	
2 Serial, 2 parellel Ports	
300 MD HDD, 1.2 MB FDD	
VGA card, Monochrome Monitor	
101 Keyboard	
PC At. 386 SX	3

20 GB, 4 MB RAM,
2 Serial, 2 parellel Ports
300 MB HDD, 1.2 MB FDD
VGA Card, Monochorme Monitor

101 Keyboard	2
- Mouse	2
- Printers (300 Cps, 9 pin)	2
- 5 KVA CVT	1
- Air Conditioner (1 ton)	1

Sofware

- Microsoft DOS 5.0/6.0
- Microsoft C 5.01 or latest version
- Lotus 1-2-3 latest Version
- DBASW IV Laest Vesion
- ORACLE 6.0/7.0 (DOS Version)
- Coral Draw
- Microsoft Windows
- Auto Cad/Auto Sketch
- Auto Animator

List of Books :
Book Group: Animation

1. Computer Animation : Management Thalmann, Spriger Book Group: C
2. Mastering, C-Balon V,B.P.B. Publications
3. The Spirit of C, An Inroduction to Modular Programming Coper, Jayco Books.
4. Programming in C: Kaicker S, McMillan
5. The Art of C: Programming : Johes, Robin, Narosa
6. C-Express: Robert joudain, Prentice Hall of India.
7. C Programming Language : Kemighan & Ritchi, Prentic Hall of India\
8. Programming with C:Gottfried, Tata Mc Graw hill

Book Group: CAD

9. Learning Cad with Autocad Operating System: M.M.DAS. B.P.B. Publications
10. Mastering Autocad : George Omura, B.P.H. Publication
11. Appliying Autocad : A Step by Step Approach: Wholers Lerry, McGraw Hill.
12. CAD/CAM Computer Aided Design and Manufacturing : Groover & Zimmers /Prentice Hall of India.

Book Group : DBASE

13. Advance DBASEIII Application- Baker

14. ABC of DBASEIII+ : Roberti, B.P.H. Publication
15. Mastering DBASEIII: A Structured Approach: Carl Townsend, B.P.B Publication
16. Understanding DBASE-III: SimpsonA, BPB Publications

Book Group : DBMS
17. An Introduction to Data Base System: Data C.J. Addision
18. Database Management System Concepts :Henry F.Korth Abraham Silber Schatz, MC Graw Hill

Book Group : DTP
19. Corel Draw 4 Instant Reference Padwick   G.B.P.B. Publications.
20. Mastering Corel Draw 3   Rimmer S. B.P.B. Publications.

Book Group : EXPERT SVS
21. Expert System and Artificial Inteligence Saran S.N.

Book Group : General
22. Fundamentals of Computers
    V.Rajaraman, E.E.E. Publications
23. ** Computer Architecture & Organization Hayrnes, Mcaraw-Hill
24. ** Digital Computer
    Motis Mano, Mcaraw-Hill

25. **How to Solve it by CO fIIMIters Dromey a Prentice Hall of India
26. **Digital Computer ElectIOOM:
    Malvino, Tata Mcaraw Hill Bookgroup:IBMPC
27. IBM PC Troubleshootion &~QIMK:
    Robert C. Brenner, aalogtia

Book Group: Lotus
28. Lotus 1-2-3 Simpified, Bolocean
29. ABC of Lotus 1-2-3, Chris aillert. B.P.B Publication
30. Advanced Lotus 1-2-3, E-Michael Luns. B.P.B. Publications
31. Lotus 1-2-3 Made Simple, Taxali & Chopra Tata McGraw-Hill

Book Group : OS
32. MS-OOS Hand Book, Richard Allenking, B.P.B., Publications
33. Advanced MS-DOS, Duncan, R.B.P.B. Publication
34. Operating System, Tenerbau, Prentice-Hall of India

Book Group : Unix
35. **Unix Network Programming, Richard Stevens, Prentice Hall of India
36. Unix & C.A. Tutorial Introduction, Philip Cornea, Tata McGraw Hill.