

TYBA Annexure-II

Structure/ Pattern of Syllabus must be as follows:

- 1) Title of the Course: **Computer Application (Vocational)**
- 2) Introduction: **Pattern- Annual**
- 3) Eligibility: **Should have offered Computer Applications at S.Y.B.A. & passed as per University rules**
- 4) Examination
 - A) Pattern of examination
 - i) **80-20 University annual examination of 80 marks & Internal assessment of 20 marks. Details as per syllabus**
 - ii) **Pattern of the question paper- As per specimen given**
 - B) Standard of Passing : **As per University norms**
 - C) ATKT Rules : **As per University norms**
 - D) Award of Class : **As per University norms**
 - E) External Students : **Not allowed**
 - F) Setting of Question paper/ Pattern of Question paper: **As per University norms**
 - G) Verification of Revaluation: **As per University norms**
- 5) Structure of the Course :
 - i) **Optional**
 - ii) **Medium of instruction : English**
- 6) Equivalence subject/ papers & Transitory Provision: **Computer Applications**
- 7) University terms : **As per University norms**
- 8) Subject wise Detail Syllabus : **Attached**
- 9) Recommended books : **Mentioned in the syllabus**

T.Y. B.A.
Computer Application (Vocational)
Paper - V
Syllabus

	Lectures
Unit 1- Introduction to networking	4
1. LAN, WAN, MAN	
2. Network Topologies	
3. Network components: Ethernet, Hub, Router, Cables	
4. Internet - IP Address, DNS, Protocols (TCP/IP, SMTP, FTP, TELNET)	
 Unit 2- Web Designing	 4
a. Web pyramid	
b. Web browser	
c. Search Engine	
d. Website-Types-Static, Dynamic, Interactive	
 Unit 3 – Internet Technology	
1. Introduction to HTML:	10
a. Basic tags , tables, frame, forms ,css,.	
2. Introduction to JAVA Script.	10
b. Identifiers, Operators, Data Types, Values.	
c. Loops & Functions	
d. Objects	
e. Array & Array Object	
f. Events	
3. Introduction to VB Script	10
g. Working with variables. (Data types, Constants & Arrays, Operators, and definition and Naming rules.	
h. VB Script control structure, looping, branching	
i. VB Script Functions	
j. Working with Objects	
k. Communicating with the user- form creation, form designing	
 Unit 4- E Commerce	 10
a. Scope	
b. Types- B to B ,B to C , B to C	
c. General Trade cycle	
d. Trade cycle -E-market, EDI, Internet Commerce	
e. EDIFACT	
f. E-payment-Credit card, Debit card, E-cheque	
g. Digital Signature, Digital Certificate	
h. Internet security-Physical security, logical security	

Reference books

1. Sam's Teach Yourself Networking in 24 Hrs. -Tata Mc Grow Hill Publications
2. World Wide Web design with HTML C Xavier -Tata Mc Grow Hill Publications
3. Internet and E-Commerce C NELLAI KANNAN- NELS Publication.
4. E-Commerce David Whitley
5. WEB DESIGN Thomas A Powel- Tata Mc Grow Hill Publications
6. Java Script Complete Reference Tata Mc Grow Hill Publications
7. VB SCRIPT Interactive Course –Tech Media Publication

T.Y.B.A. Paper V Practical List

HTML

1. Write an HTML script to display Three images according to the following Specifications.
 - a. Without using border attribute
 - b. With using border attribute
 - c. Using the width and height attribute
 - d. Unavailable image with ALT attribute
2. Write an HTML script to display TYBCA timetable
3. Write an HTML script to display following train details using table.

Train name	Starting place	Destination place	Time		Fare
			Arrival	Departure	

4. Write an HTML script to link external documents,

<p style="text-align: center;"><i>Information of the Course</i></p> <ul style="list-style-type: none">• <u>B. Sc.</u>• <u>B.Com.</u>• <u>B.A.</u>

5. Write an HTML script to link internal documents.

<p style="text-align: center;">Welcome to University of Pune</p> <ul style="list-style-type: none">• <u>Electronics Department</u>• <u>Mathematics Department</u>• <u>Microbiology Department</u>• <u>Computer Science Department</u>• <u>Biotechnology Department</u>

6. Write HTML script for the following form

User Registration Form
Name :
Password :
Gender
Your Interests <input type="checkbox"/> Computer <input type="checkbox"/> Sports <input type="checkbox"/> Music
<input type="button" value="Submit"/> <input type="button" value="Reset"/>

7. Create a web page displaying list of hyperlinks. Divide the browser screen into two frames. The frame on the left will be a menu consisting of hyperlinks. Clicking on any one of these hyperlinks will display related information as a new page which must be open in frame on the right hand side.

<u>Input Devices</u>	
<u>Output Devices</u>	
<u>Storage Devices</u>	

After clicking on input devices hyperlink related information in the right frame.

<u>Input Devices</u>	The list of Input Devices
<u>Output Devices</u>	i. Keyboard.
<u>Storage Devices</u>	ii. Mouse.

JAVA SCRIPT

1. Write a program using a Java script to display sum of all odd numbers between 1 to 20
2. Write a JAVA script to calculate maximum, minimum, sum and average of numbers in an array. Make all validation.
3. Write a JAVA script to which will greet according to the current timing
4. Write a JAVA script to accept two numbers from user and display them in text boxes. Add these two numbers and display result in third text box after clicking a button.

VB SCRIPT

1. Write a program using a VB script to calculate factorial of a number
2. Write a program using a VB script which shows current date in four different formats
3. Write a program using a VB script to check whether a number is positive or negative.
4. Write a program using a VB scrip to calculate simple interest.

Marking Scheme

Theory Paper [University]	40 Marks
Term End [College out of 60]	20 Marks
University Practical Examination	40 Marks
Distribution of term end marks	
Written examination 40 marks to be converted to 10 marks	
Journal/practical assessment 20 marks to be converted to 10 marks	

T.Y.B.A. Paper VI- Computer Applications (Vocational)

Paper VI : - ENTREPRENEURSHIP DEVELOPMENT AND PROJECT REPORT

Entrepreneurship Development

Entrepreneurship is a tremendous force that can have a big impact in growth, recovery, and societal progress by fuelling innovation, employment generation and social empowerment.

Through entrepreneurship education, young people, including those with disabilities, learn organizational skills, including time management, leadership development and interpersonal skills, all of which are highly transferable skills sought by employers.

The syllabus for T.Y.B. A., Vocational students thus is aimed at creating an awareness amongst the students about the benefits of becoming an entrepreneur and at the same time equip them with information about a good and a viable opportunity; making a business plan by assessing the techno-economic feasibility, seeking financial assistance, variety of procedures and formalities for setting up an enterprise, taking decisions in such a manner so that entrepreneurship becomes a life time career goal.

❖ OBJECTIVES:

- To create awareness about self-employment and motivate the students to go for self-employment.
- To study entrepreneurship concepts and their applicability.
- To expose the students to the practical world of business.

1. INTRODUCTION: Concept of entrepreneurship, Historical background, need and scope of entrepreneurship in modern society, Entrepreneurial behavior, attributes and skills.

Key elements of entrepreneur, Entrepreneurial process, Entrepreneurial culture, Environment of Entrepreneurship, Socio economic origins of Entrepreneurship, Barriers of Entrepreneurship and means to reduce them, types of Entrepreneurs, Characteristics of Entrepreneur.

8 Lectures

2. **BUSINESS ORGANIZATIONS:** Forms of business organizations such as sole proprietorship, partnership, Joint Stock Company, cooperative organization etc. Relative merits and demerits of each form, Meaning and definition, types of Small Scale Industry. 3 Lectures

Sources of Information: where to go for what?

- a. District Industry Centre (DIC)
- b. Maharashtra Industrial Development Corporation (MIDC)
- c. Maharashtra State Small Industries Development Corporation (MSSI DC)
- d. Small Industries Services Institute (SISI)
- e. National Institutes of Entrepreneurship and Small business Development (NIESBUD)
- f. National Entrepreneurship Development Board(12) (NEDB)
- g. Entrepreneurship Development Institute of India
- h. Commercial and Co-operative Banks
- i. State Industrial Development Bank (SIDBI)
- j. Maharashtra State Electricity Board
- k. Pollution Control Board

3 Lectures

Legal Aspects of Small Business:

Elementary knowledge of Income Tax, Sales Tax, VAT, Service Tax, Patent Rules, Excise Rules, Factory Act and Payment of Wages Act , Procedures for registration of SSI. 4 Lectures

3. **ENTREPRENEURSHIP DEVELOPMENT:** Identification of opportunities for entrepreneurship, ideas to start new business, criteria for selection of new product or service, Market Survey as a tool, Technical and economic feasibility of a project, Role of consultancy organizations.

8 Lectures

Project formulation and project report

4 Lectures

4. **FINANCIAL ASPECTS:** Sources of finance, Role of various funding agencies , government and commercial Role of various funding corporations and funding institutes such as chamber of commerce, MSFC, MCED, NSSIDC, Banks, special institutes such as IDBI,MIDC,SICOM etc, Working capital, cash flow, fund flow, preparations of basic financial statements, costing and pricing, breakeven point, SWOT analysis. 6 Lectures

5. **MARKETING ASPECTS:** Meaning, scope and importance, Marketing strategy, Market segmentation, marketing channels. Marketing mix and its effect. 6 Lectures

6. **HUMAN RESOURCE ASPECTS :** Concept and scope in modern industry, Different modes of employment, Placement of proper person for a job, Interpersonal relations and communication skills, training of personnel, guidance for stress management, soft skills. 6 Lectures

RECOMMENDED BOOKS:

Text book

1. Dynamics of Entrepreneurial Development and Management – Shri. Vasant Desai.

Reference books

2. Environment & Entrepreneur: Mr.B.C.Tondon
3. Business Environment: Dr.G.V.Kayande Patil
4. Udyogvardhini –MCED
5. Basic Communication Skills: By P. Kiranmai Dutt & Geetha Rajeevan, 2000
6. Fundamentals of Office Management: By J.P. Mahajan , Office Management – By S. P. Arrora, latest edition
7. A guide to small Scale Entrepreneurs, Director of Industries, Govt. of Tamil Nadu Chennai, latest edition
8. Entrepreneurship and small Business Management- Dr. C. B. Gupta & Dr. Khanna
9. Project Management- K. Nagarajan
10. 100 project Reports Yashwantrao Chavan Open Universiy (YCMOU) Edition
11. Entrepreneurship Ideas in Action Cynthia L. Greene (YCMOU) Edition

Practicals/ Assignments

The practicals to be conducted are with an objective to transform the knowledge gained by the students in their classes to real life experience. These practicals will be based on the vocational subject and the Principal subject a student has offered

Internal assessment should be carried out on the practicals/ assignments done by a student.

Sr. No.	Title of Practical	Objective	Mode
1	Role of District industry centre	Understand the working of District industry centre	Visit and report submission
2	Visit to a small scale Industry	To understand plant location and plant layout and to submit a report	Visit and report submission
3	Visit to a service unit	To study the legal aspects of a service unit and to submit a report	Visit and report submission
4	Entrepreneurial ideas	Describe in brief two entrepreneurial ideas of yours	Home assignment
5	Project formulation	Prepare a preliminary document about an enterprise you want to start It should contain executive summary, customer/target market analysis and strategy	Home Assignment
6	Review business plans	Submit a review of a business plan of other team. It should include critical and constructive comments	Home assignment
7	Drafting a business plan	It should contain executive summary, customer/target market analysis and strategy , marketing and operations, risks, management team and financial projections	Power Point Presentation

Paper VI

Project Work (University Practical Course)

Guide lines for Project work

Project group size should be around 3 persons.

1. Objective, Scope, Limitations.
2. E-R Diagram, DFD (Context and First level)
(Required only for database related Projects)
3. Program Specifications (short description of program)
4. File design
5. Data Dictionary
6. Reports

Project topics

1. Library System
2. Payroll System
3. Admission system.
4. Result System
5. Patient's Information System
6. Hotel Management System
7. Any other relevant topic

Marking Scheme:

University practical examination Valuation of project report	= 40 marks
University Theory paper (Entrepreneurship Development)	= 40 marks
Term End (60 marks converted to)	= 20 marks