

# **Question Paper Set of**

**F.Y.B.F.M. – Sem-III**

**Regular Exam**

**University of Mumbai**

**April, 2017**

B.Fm - original

25/04/17

Q. P. Code: 09310

[Time: - 2½ Hours]

[ Marks: 75]

- N.B: 1. All questions are compulsory.  
2. Figures to the right indicate full marks.  
3. Make use of diagrams wherever necessary.

**Q.1 A) Fill in the blanks. (any 8)**

- i. www has its own protocol known as \_\_\_\_\_
- ii. An absolute reference is designated in a formula by the addition of a \_\_\_\_\_ sign.
- iii. URL stands for \_\_\_\_\_
- iv. A \_\_\_\_\_ website contains web pages with fixed content
- v. Typing =5+2\*8 in a cell of MS Excel will result in \_\_\_\_\_
- vi. \_\_\_\_\_ function determines the highest cell value included in the argument.
- vii. \_\_\_\_\_ function is used to reduce a given value to a specific number of decimal places
- viii. \_\_\_\_\_ is a protocol for exchanging files on the internet
- ix. \_\_\_\_\_ printers are of two types – dot matrix printers and daisy wheel printers.
- x. DOS stands for \_\_\_\_\_

**B) True or False. (Any 7)**

- i. Amazon.com is an example of C2C business model
- ii. Linux is an example of application software
- iii. In second generation computers vacuum tubes were used as electronic components.
- iv. HTML stands for Hyper Text Machine Language
- v. In a worksheet columns are identified by numbers 1,2,3 etc and rows are identified by letters A,B,C etc
- vi. MICR stands for Machine Ink Character Recognition
- vii. The common top level domain name for military entities is .arm
- viii. A web site is a collection of web pages maintained by a single person or organization that are linked to each other to form a single body of information.
- ix. MS Word and MS Excel are the only products available under MS Office

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Turn Over

x. FTP stands for Functional Transmission Protocol

- Q.2 A)** Explain different types of computer generations.  
**B)** Explain any four Secondary memory devices.

**OR**

- Q.2 A)** Explain Super computer and Mainframe computer. Also state their applications.  
**B)** Explain the following Input devices.

- i) Light Pen
- ii) Joysticks
- iii) Trackball
- iv) Track pads

- Q.3 A)** List Pros and Cons of Plasma display.  
**B)** What are printer? Explain Daisy wheel printer and Chain printer.

**OR**

- Q.3 A)** Write down all necessary steps to compose an Email message.  
**B)** Explain different types of E-commerce.

- Q.4 A)** Explain the following services on Internet.

- i) Blogs
  - ii) Social Media
- B)** Give solutions to the following problems.
- i) The computer is frozen.
  - ii) The sound isn't working.

**OR**

- Q.4 A)** What are browsers? Explain any two browser.  
**B)** Explain the following tools of MS word 2013 interface.

- i) Quick access toolbar
- ii) The Ribbon
- iii) Account access
- iv) Ruler
- v) Scroll bar
- vi) Zoom control
- vii) Word count

- Q. 5** Write a short note on : (any 3)

- (a) Classification of printers
- (b) Different types of supporting utilities
- (c) VLOOKUP and HLOOKUP functions
- (d) Search directories
- (e) Cache Memory

**15**

[Time: 2<sup>1</sup>/<sub>2</sub> Hours]

[ Marks:75]

Please check whether you have got the right question paper.

N.B:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw diagrams where necessary.

**Q.1 A) Fill in the blanks with appropriate words ( any eight)**

- 1) -----is the variety of different types of life found on earth & Variations within species.  
(Biodiversity, Industry, Agriculture)
- 2) Earth is known as the -----.  
(Red Planet, Blue Planet, Green Planet)
- 3) Deforestation refers to the loss of -----.  
( forest cover, Desert cover, mountain cover)
- 4) Human activities which generate income are known as -----activities.  
( Social, Economical, Political)
- 5) ----- degradation is the decline in soil quality.  
(Water, Soil, Air)
- 6) Environmental management is both a----- and process.  
(Technique, tool, System)
- 7) A society cannot survive if its-----resources are rendered unfit for use by the its people.  
( Natural, Manmade, None of it)
- 8) The process of environmental management is divided into -----phases.  
(2,4,6)
- 9) EIA helps in balancing the needs of -----with the need to maintain environmental characteristics.  
( food, development, management)
- 10) GPS concept is based on-----.  
(Time, Temperature, Rainfall)

**B) State whether following statements are True or false. (any seven)**

- 1) Activities associated with tertiary sector are transportation and tourism.
- 2) Waste disposal is a serious problem in the places where high concentration of tourist actives takes place.
- 3) India has eight biogeographic zones.
- 4) One of the major cause of environmental degradation is human actives.
- 5) China is a largest producers of hydro electric power.
- 6) Environmental Auditing is carried out for assessing the environmental effects of current activities.
- 7) Future wars will be wars for weapon and not for land.
- 8) Mountainous areas remain economically developed.
- 9) ISO14000 is related to environmental management.
- 10) The Kalahari deserts are in South America.

Turn Over

## **Q.P. Code :0555**

- Q.2 A)** a) Explain the remedial measures that are useful for the repair the biotic resources in the globe.  
b) What is biological diversity? What are the benefits from biological diversity?

**OR**

- c) How do the components of living environment influence the development of human activities?

**Q.3**

- A) Explain the term global warming and state its effects.  
B) What are causes of desertification?

**OR**

- C) Discuss the measures to conserve forest.  
D) Explain the sources of non-renewable energy.

**Q.4**

- A) Which factors are affecting the location of industries.  
B) What is the impact of tourism on environment?

**OR**

- C) What are the environmental issues related with fishing?  
D) What are the impact of transport sector on environment?

**Q.5**

- What is environmental Audit? Explain the features of it.

**OR**

Write short notes ( any three)

- 1) Ecological pyramid
- 2) Importance of water
- 3) Air pollution
- 4) Solar energy
- 5) GIS.

[Time: Two hours thirty minutes ]

Please check whether you have got the right question paper.

N.B: 1) All question are compulsory and carry equal mark.

2) Use of simple calculator is allowed.

3) Figures to right indicate full marks to corresponding question,

8

Q.1 A) Choose the correct alternative following ( Attempt Any Eight )

1) A good measure of central tendency should be \_\_\_\_\_

- a) Based on all observation
- b) Capable of further algebraic development
- c) Rigidly defined
- d) All of (a), (b) and (c)

2) Cumulative frequency curve are also known as \_\_\_\_\_

- a) Mode
- b) Histogram
- c) Ogive
- d) None of those

3) In Statistics, a sample means \_\_\_\_\_

- a) A portion of the sample
- b) portion of the population
- c) All the item under investigation
- d) None of the above

4) The correlation coefficient is used to determine \_\_\_\_\_

- a) A specific value of the y-variable given a specific value of x-variable
- b) A specific value of the x-variable given a specific value of y-variable
- c) The strength of the relationship between the x and y variables
- d) None of those

5) Which one is the not Measures of dispersion \_\_\_\_\_

- a) The range
- b) 50<sup>th</sup> percentile
- c) Inter-Quartile Range
- d) Variance

6) If Mean is 25 and Standard Deviation is 5, than C. V. ( Coefficient of Variation ) is \_\_\_\_\_

- a) 100%
- b) 25%
- c) 20%
- d) None of those

7) Mode of the series 0,0,0,2,2,3,3,4,10 is \_\_\_\_\_

- a) 0
- b) 2
- c) 3
- d) No Mode

8) The model letter of the word " STATISTICS " is \_\_\_\_\_

- a) S
- b) T
- c) Both S and T
- d) both S and T

9) The middle most observation dividing the entire distribution into two equal parts is known as \_\_\_\_\_

- a) Arithmetic mean
- b) Median
- c) Mode
- d) None of those

- 10) The word 'programming' means taking decision \_\_\_\_\_

  - a) systematically
  - b) rapidly
  - c) slowly
  - d) instantly

B) State whether the following statement are True or False ( Attempt Any Seven)

- When each value is increased by 5, the mean and standard deviation is increased by 5.
  - Some linear programming problem have more than one solution.
  - Measure of dispersion given an idea about the variability in the data.
  - Diagram and graphs are pictorial representation of tabular form of data which can be easily understood common man.
  - In regression equation of  $y$  on  $x$ ,  $y=2x+9$ , the regression coefficient  $b_{yx}$  is 9.
  - Quartile deviation measures middle 50% of the observations.
  - Statistics is not useful for forecasting.
  - In sampling method we study the whole population.
  - The student belonging to the University of Mumbai is an example of finite population.
  - A process of collecting information is survey.

Q.2 A) Solve the following linear programming problem (LPP) Graphically.

Minimize

$$Z = 4x + 2y$$

**Subject to**

$$3x + y > 6$$

$$4x + 3y \geq 12$$

$$x \geq 0, y \geq 0$$

B) Write Less Than and Greater Than cumulative frequencies for the following data. Draw Less Than cumulative curve & locate Median graphically.

Class interval	10-20	20-30	30-40	40-50	50-60	60-70
Frequencies	10	5	23	12	5	15

OR

P) Viraj toys industries produces two types of toys scooter and bicycle each of which must be processed through two machines A and B. Machines A has a maximum of 120 hours available and machine B has a maximum of 180 hours available. Manufacturing a scooter requires 4 hours on machine A and 10 hours on machine B. Manufacturing of bicycle requires 6 hours on machine A and 3 hours on machine B. If profit are Rs. 100 for scooter and Rs 800 for a bicycle, formulate the linear programming problem ( LLP) to have maximum profit.

q) Classify the following data by taking class intervals 11-15, 16-20, and so on.

12, 14, 18, 22, 38, 48, 39, 37, 24, 23, 19, 17, 27, 48, 28, 30, 29, 22, 25, 46, 46, 48, 49, 18, 24, 33, 32, 33, 44, 37, 24, 28, 35, 32, 33, 18, 23, 24, 32, 33

Q.3 A) Calculate second quartile ( $Q_2$ ) and eighty sixth percentile ( $P_{86}$ ) for the following data

Marks	0-20	20-40	40-60	60-80	80-100
Frequency	5	12	32	40	11

B) Calculate the range and coefficient of range for the following data

Year	2000	2001	2002	2003	2004
Rainfall in mm	50	30	80	230	90

OR

p) The following data are given for weights of boys and girls in a class. Find combined mean and standard deviation

Average weight of boys = 60 kgs

Average weight of girls = 45 Kgs

Variance of weight of Boys = 9 Kgs

Variance of weight of girls = 4 kgs

No. of boys = 100

No. of girls = 50

q) Calculate arithmetic mean and mode for the following data

Class interval	400-600	600-800	800-1000	1000-1200	1200-1400	1400-1600
Frequency	5	10	30	25	20	10

Q.4

A) Given the following regression lines

$$3x + 2y - 26 = 0 \quad \text{and} \quad 6x + y - 31 = 0$$

Find mean values and the coefficient of correlation between x and y.

B) Find coefficient of correlation from the following data

X	3	5	4	6	3	2
y	12	4	6	3	14	18

OR

P) Find the regression equation of salary on index in a company

Index	9	7	8	4	7	5	5	6
Salary	36	25	33	15	28	19	20	22

Find expected salary of an employer whose Index is 3.

q) Find Karl Pearson's coefficient of correlation given for the following data.

$$\Sigma x = 65 \quad \Sigma y = 30 \quad \Sigma x^2 = 3261$$

$$\Sigma y^2 = 1004 \quad \Sigma xy = 750 \quad n = 9$$

A) Write limitation of Statistics

B) What are the requisites of good questionnaire

p) Write short notes (Attempt Any Three)

1) Statistical Error

2) Distinguish between Primary and Secondary Data

3) Merits and Demerits of Mode

4) Pie-Diagram

5) Concept of Regression

OR

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Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory.  
2. Figures to the right indicate full marks

**Q.1 A) Select the appropriate answer and fill in the blanks (any eight)**

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1. A manager is a -----of information.  
i) Leader ii) Figurehead iii) Disseminator
2. Managerial skills were made popular by -----  
i) R. L. Katz ii) Henri Mintzberg iii) Max Weber
3. -----is known as Father of Scientific Management.  
i) F.W Taylor ii) Henri Fayol iii) Elton mayo.
4. MBO is -----goal setting.  
i) Individual ii) Virtual iii) Joint
5. Planning premises are assumptions and -----  
i) Policies ii) Predictions iii) Alternatives
6. Delegation means -----of authority.  
i) Acceptance ii) Submission iii) Transfer
7. Matrix Organisatim is a combination of project organisation and -----organisation structure.  
i) Functional ii) Committee iii) Line
8. Control -----wastages.  
i) Eliminates ii) Encourages iii) Permits
9. -----control identifies and prevents deviations before they occur.  
i) Feed back ii) Concurrent iii) Feed-forward
10. -----is a network planning technique.  
i) CPM ii) ROI iii) MIS

**Q.1 B) State whether the following statements are True or False (any seven)**

07

1. Managers act as symbolic figurehead.
2. Project is a time bound activity.
3. Decision making implies no choice.
4. Departmentation by process Is vertical grouping of activities.
5. Traits are inborn qualities.
6. Line organization structure is traditional structure.
7. Luther Gulick coined the term PODSCORB.
8. Self control is better than external control.
9. Feedback mechanism is not important in the controlling process.
10. Control allows limited deviation in performance.

**Q.2 A) Define management describe the basic managerial skills.**

08

B) What is Scientific management? State the main principles of scientific management.

07

OR

**Q.2 C) Describe the managerial roles to be played mangers as described by Henri Mintzberg**

08

D) Briefly enumerate the issues and challenges faced by the modern management.

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P.T.O

**Q.P. Code :06202**

- Q.3 A)** Define Planning. Explain the steps in planning process.  
**B)** Write note on goal setting

**OR**

- Q.3 C)** Describe any four techniques of group decision making.  
**D)** Explain the different types of strategies.

- Q.4 A)** Briefly explain the different bases of departmentation.  
**B)** What are the advantages of effective delegation of authority?

**OR**

- Q.4 C)** "Coordination is the essence of management." Do you agree with the statement? Justify your views.  
**D)** Write a note on decentralization of authority.

- Q.5 A)** Describe the process of controlling in brief.  
**B)** Explain the reasons for resistance to control.

**OR**

- Q.5** Write short notes on **any three** of the following

- Kinds of control
- Contingency approach to management
- M.B.O
- Autocratic leadership style
- Planning Premises

F.A-II  
FY B.F.M.  
17/10/2017



Q.P. Code :05949

[Marks:75]

[Time: 2 1/2 Hours]

Please check whether you have got the right question paper.

- N.B: 1. Solve all questions. Q. Nos. 2,3,4 and 5 have internal options.  
2. Working notes should form part of your answer.

Q.1 A Fill in the blanks: (Any 8 out of 10)

- a) The money received in excess of face value is known as \_\_\_\_\_  
b) \_\_\_\_\_ Shares are issued by capitalization of reserves.  
c) The amount of debtors due for more than \_\_\_\_\_ months should be shown separately in company final accounts.  
d) Net block of assets is difference between Gross block and \_\_\_\_\_  
e) Super profit is excess of average profit over \_\_\_\_\_  
f) \_\_\_\_\_ method of share valuation is based on the assumption that the company is going to be liquidated.  
g) Maximum buy back in a year can be \_\_\_\_\_ %  
h) The post buyback Debt-equity ratio cannot exceed \_\_\_\_\_  
i) The profit on cancellation of own debentures is \_\_\_\_\_ profit.  
j) Accounting standards are issued by \_\_\_\_\_

B State whether following statements are true or false: (Any 7 out of 10)

- a) Stock is valued at cost or market price whichever is higher.  
b) Every transaction must have an evidence.  
c) Public deposit is secured loan.  
d) Dividend is calculated on market price of a share.  
e) Sweat equity shares are issued to existing shareholders.  
f) Rights issue increases share capital.  
g) A company can buyback partly as well as fully paid up shares.  
h) The shares must be cancelled and destroyed after buyback.  
i) Capital reserve is a divisible profit.  
j) Issue of bonus shares increases shareholder's funds.

Q.2 A

Tata Ltd. invited application for 10000 shares of Rs. 100 each at a premium of Rs.25 per share and payable as follows:

On application Rs.25

On allotment Rs.75 (including premium)

On final call Rs.25

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Applications were received for 15,000 shares and the company made a pro-rata allotment. Miss. Mona holding 200 shares failed to pay the share final call money. Her shares were forfeited. These shares were reissued at Rs. 60 per share.

Show the entries in the books of the company and also the balance sheet of the company.

OR

TURN OVER

B A company wants to issue 10% debentures of Rs. 5,00,000. Pass journal entries for the issue if the debentures are issued 15

- a) at par and redeemable at par.
- b) at a discount of 10% and redeemable at par.
- c) at a premium of 5% and redeemable at par
- d) at par and redeemable at 10% premium.
- e) at a discount of 5% and redeemable at 10% premium.

Q.3 A NES Ltd has an authorized capital of Rs.1,00,00,000 divided into 10,00,000 equity shares of Rs.10 each. Trial balance of the company as on 31<sup>st</sup> March, 2017 was as follows:

Debit	Rs.	Credit	Rs.
Premises	2250000	Equity share Capital	4550000
Plant & machinery	1745860	Profit & Loss A/c	101200
Debtors	608900	Gross Profit	1058190
Furniture	67500	Reserve for bad debts	45000
Bad Debts	14250	General Reserve	325000
Rent, Rates & Taxes	141970	Creditors	255150
Advertising	97540	Transfer fees	550
Cash in hand	47200	Accrued wages	64150
Cash at Bank	205000	12% Debentures	289500
Closing stock	723200		
Director's fees	18000		
Sundry expenses	39980		
Salaries	159140		
Vehicles	400000		
Discount on issue of shares	75200		
Interim Dividend	95000		
	6688740		6688740

Prepare statement of Profit & Loss for the year ending 31<sup>st</sup> March, 2017 and Balance Sheet as on that date in the prescribed form after considering and following:

- a) Depreciate Plant & Machinery at 10% and Furniture at 5%
- b) Create reserve for bad debts at 10% on debtors.
- c) Make provision for taxation to the extent of Rs.100000.
- d) Write Off 20% of Discount on Issue of shares.

OR

B Mr. Kamath holds 600 12% debentures of Rs.100 each in SMT Ltd as on 1<sup>st</sup> April, 2016 at a cost of Rs.70000. 08 Interest is payable on 30<sup>th</sup> June and 31<sup>st</sup> December every year. On 1<sup>st</sup> June 2016, 200 debentures were purchased ex-interest at Rs.20400. On 30<sup>th</sup> November, 2016 300 debentures were sold at Rs.32250 cum-interest.

Prepare Investment A/c for the year 2016-17.

TURN OVER

C The balance sheet of KMT Ltd. as on 31<sup>st</sup> March, 2017 is as follows:

Liabilities	Rs.	Assets	Rs.
10000 shares of Rs 10 each fully paid	100000	Land & Building	84000
Profit & Loss A/c	20000	Plant & Machinery	60000
Debentures	15000	Furniture & Fittings	5000
Trade Creditors	20000	5% tax free Government Bonds	20000
Provision for taxation	9000	Stock	2000
Proposed Dividend	15000	Book debts	6000
	179000	Cash	2000
			179000

The net profits of the company after charging depreciation and taxes for the years ending 31<sup>st</sup> March were as follows:

2013- Rs 17000; 2014- Rs. 19000; 2015- Rs.18000; 2016- Rs.20000 and 2017 – Rs.19000.

On 31<sup>st</sup> March, 2017, assets were valued as under:

Land & Building- Rs.95000, Plant & Machinery- Rs. 71000, Furniture & Fittings- Rs 4000

10% return on investment can be considered fair for the business.

You are required to find value of goodwill on the basis of five years purchase of super profits

Q.4 A Following is the Balance Sheet of a company as on 31<sup>st</sup> March, 2017

**Balance Sheet**

Liabilities	Rs.	Assts	Rs.
8% preference Shares of Rs. 100 each	100000	Building	308000
Equity shares of Rs 100 each	600000	Machinery	133000
General Reserve	100000	Stock	490000
Profit and Loss A/c	44200	Debtors	217000
Bank Overdraft	28000		
Creditors	107800		
Provision for Income Tax	63000		
Proposed Dividend	105000		
	1148000		1148000

The profit of the company for the years 2013 to 2017, after charging all expenses, depreciation but before taxation was Rs. 238000, Rs.268800, Rs.252000, Rs.280000, Rs.266000. On 31<sup>st</sup> March 2017 Building and Machinery were taken as worth Rs.350000 and Rs.210000 respectively. Income Tax can be taken at 50%. Goodwill may be taken worth Rs.100000. In this business, 8% is considered reasonable return on capital employed.

Fine out value of equity share under fair value Method, after taking into account revised values of assets.

**OR**

**TURN OVER**

B Following is the Balance Sheet of Larsen Ltd. as on 31<sup>st</sup> March, 2017

Liabilities	Rs.	Assets	Rs.
200000 Equity shares (Rs. 10 each)	2000000	Fixed Assets	2800000
Securities Premium	200000	Investments	1600000
General reserves	800000	Current Assets	2400000
Profit & Loss A/c	1000000		
14.5% Debentures	1600000		
Creditors	1200000		
	6800000		
			6800000

The boards of directors are proposing to buyback equity shares. You are required to:

- Calculate maximum number of equity shares that can be bought back.
- Maximum price the company can offer.
- Pass journal entries

Q.5 A List out items under the head 'Reserves & Surplus' as per schedule III.

B What is the procedure for formulation of Accounting Standards?

**OR**

C Write short notes on any three of the following:

- Ex-interest & Cum-interest
- Sources of buyback of shares
- Methods of valuation of shares
- Notes to Accounts
- Secured and Unsecured Debentures

08

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Please check whether you have got the right question paper.

- N.B: 1. All questions are compulsory  
2. Figures to the right indicate full marks.

08

1. A. Fill in the blanks by choosing the correct option (any 08)

08

- In the state of \_\_\_\_\_, the number of farmers suicide is the highest.  
(Bihar, Orissa, Maharashtra)
- As per the new industrial policy, 1991, licensing is required only in \_\_\_\_\_ industries.  
(five, six, seven)
- \_\_\_\_\_ rights aim at personal good of an individual as well as that of the community.  
(Fundamental, Natural, Religious)
- Human rights have \_\_\_\_\_ application.  
(Limited, Universal, Maximum)
- The \_\_\_\_\_ is a layer of gases surrounding our planet.  
(Hydrosphere, Biosphere, Atmosphere)
- Acid rain is one of the harmful effects of \_\_\_\_\_ pollution.  
(Air, Land, Water)
- \_\_\_\_\_ means pre-judgement.  
(Violence, Stereotypes, Prejudice)
- \_\_\_\_\_ arises when goal directed behavior is blocked.  
(Anger, stress, frustration)
- \_\_\_\_\_ helps to develop the power of concentration.  
(Meditation, social support, physical exercise)
- The \_\_\_\_\_ needs lie at the highest level of the hierarchy of Maslow's Need Hierarchy Theory.  
(Esteem, Social, self-actualization)

- 1) State whether the following statements are True or False (any 07)

07

- Forced migration may also be called as forced displacement
- IT has made communication expensive and complex
- Freedom of speech and expression may also include defamation
- The fundamental rights are absolute
- Natural environment provides renewable sources of energy
- The composition of environment is the same everywhere
- Regionalism is the only cause of aggression and violence
- Type B personality generally engages in instrumental aggression
- Smoothing refers to accommodating other party's interest
- Win-win strategy is to solve a problem and not to shift the blame on other

2. Explain the concept of migration & its causes and effects.

15

OR

Briefly describe the role of corporate farming in India.

3. Define Human rights? Describe the significance and characteristics of human rights.

15

“Environment is a natural capital, connected to the quality of human life”. Comment.

(P.T.O)

4. What are the agents of socialization?

OR

Discuss the cause of individual's stress.

5. Enumerate on strategies for coping with conflicts.

OR

Write short notes on (any 03)

- i. Liberalization
- ii. Right to freedom of religion
- iii. Types of Ecosystem
- iv. Significance of values
- v. Coping with stress