

2 0 1 6

(4th Semester)

COMMERCE

Paper : BC-410

(**Entrepreneurship**)*Full Marks : 50**Time : 2 hours*

(PART : B—DESCRIPTIVE)

(*Marks : 35*)*The figures in the margin indicate full marks
for the questions*Answer Question No. **1** which is compulsory
and *any two* from the rest

1. Who is an entrepreneur? Explain the role of an entrepreneur relating to generation of employment opportunities as an innovator. 3+12=15
2. Explain any *two* from the following in detail : 5+5=10
- (a) EDII
- (b) NABARD
- (c) KVIC

3. What type of legal documents and certificates are needed to establish a new business unit? Explain in detail. 10
4. Define external environment. Discuss the factors affecting external environmental analysis. 3+7=10
5. Explain the problems and prospects of entrepreneurship in N-E region. 5+5=10

Subject Code : COM/IV/10

Booklet No. **A**

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DEGREE 4th Semester
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Roll No.

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Subject

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Descriptive Type

Booklet No. B

INSTRUCTIONS TO CANDIDATES

- 1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**
- 2. This paper should be ANSWERED FIRST and submitted within 45 minutes of the commencement of the Examination.**
- 3. While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

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COM/IV/10

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(4th Semester)

COMMERCE

Paper : BC-410

(Entrepreneurship)

(PART : A—OBJECTIVE)

(Marks : 15)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 5)

1. State whether the following statements are *True (T)* or *False (F)* by putting a Tick (✓) mark : 1×3=3

(a) “Innovation’ is considered as hallmark for an entrepreneur” is the view held by Joseph A. Schumpeter.

(T / F)

(b) The basic objective of EDP is to provide funds to the entrepreneurs.

(T / F)

(2)

(c) External environments of an entrepreneurship are all those things which are beyond control of an entrepreneur.

(T / F)

2. Choose the correct answer and place its code in the brackets provided : 1×2=2

(a) MSMED Act was passed on

(i) 16th August, 2006

(ii) 16th July, 2006

(iii) 16th June, 2006

(iv) 16th May, 2006 []

(b) Indian Institute of Entrepreneurship (IIE) is situated at

(i) Shillong

(ii) Guwahati

(iii) Imphal

(iv) Aizawl []

(3)

SECTION—B

(Marks : 10)

3. Write short notes on the following : 2×5=10
(a) Need for achievement

(4)

(b) DICs

COM/IV/10/254

(5)

(c) Business opportunities

(6)

(d) Venture capital

COM/IV/10/254

(7)

(e) Problems to start a business in Mizoram

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(4th Semester)

COMMERCE

Paper : BC-411

(**Industrial and Company Law**)*Full Marks : 75**Time : 3 hours*

(PART : B—DESCRIPTIVE)

(*Marks : 50*)*The figures in the margin indicate full marks
for the questions*Answer **one** question from each Unit

UNIT—I

1. Discuss the rules regarding the distribution of compensation under the Workmen's Compensation Act. 10
2. Define Industry. Explain the classification of industry and no industry under List A of the Industrial Disputes Act, 1947. 3+7=10

UNIT—II

3. What is the objective of the Minimum Wages Act? Explain the provisions regarding payment of minimum wages under the Act. 3+7=10
4. Enumerate the provisions of the Factories Act regarding the health of the workers. 10

UNIT—III

5. What are the different kinds of company as stated in the Indian Companies Act, 1956? 10
6. Explain the following : 5+5=10
 - (a) Classification of share capital
 - (b) Debentures

UNIT—IV

7. Explain the following : 5+5=10
 - (a) Difference between Managing Director and Whole-time Director
 - (b) Civil liability of a Director
8. What is Resolution? Discuss briefly the three kinds of resolution which were recognized by the Indian Companies Act. 3+7=10

(3)

UNIT—V

9. What is the meaning of Oppression? Explain the powers of the Company Law Board in order to prevent the oppression and mismanagement in the company. 3+7=10
10. Explain in brief the meaning and procedure of compulsory winding-up by the court. 10

Subject Code : COM/IV/11

Booklet No. **A**

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(4th Semester)

COMMERCE

Paper : BC-411

(Industrial and Company Law)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

Answer **all** questions

SECTION—A

(Marks : 10)

1. State *True (T)* or *False (F)* by a Tick (✓) mark : 1×5=5

(a) The Workmen's Compensation Act does not apply to factories covered by the Employees' State Insurance Act.

(T / F)

(2)

(b) Adult workers shall be required or allowed to work in a factory for more than 48 hours in a week.

(T / F)

(c) The terms of the Memorandum cannot be modified or controlled by the Articles.

(T / F)

(d) Statutory meetings are called in emergencies or on a special occasion.

(T / F)

(e) A minority of members of a company is entitled to exercise the powers of the company and to control its affairs.

(T / F)

2. Fill in the blanks :

1×5=5

(a) The Companies Act provides that there should be at least Directors in a public company.

COM/IV/11/255

(b) On the commencement of winding-up, the members of the company are known as

..... .

(c) means stoppage of work by a number of employees acting together.

(d) In a scheduled employment, minimum rates need not be fixed until the number of workers

reaches

(e) Equity shareholders are entitled to get

..... .

(4)

SECTION—B

(Marks : 15)

Write notes on the following :

3×5=15

1. Workman

(5)

2. Restrictions imposed on the employment of woman worker

(6)

3. Prospectus

COM/IV/11/255

(7)

4. Mortgages

COM/IV/11/255

(8)

5. Minutes

2 0 1 6

(4th Semester)

COMMERCE

Paper : BC-412

(Quantitative Techniques)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

The figures in the margin indicate full marks
for the questions

Answer **one** question from each Unit

UNIT—I

1. (a) What is inferential statistics? Compare it with basic statistics. 2+3=5
- (b) Discuss in brief the relationship of statistics with other sciences. 5

G16/256a

(Turn Over)

2. (a) In a class of 50 students, 10 have failed and their average of marks is 2.5. The total marks secured by the entire class were 281. Find the average marks of those who have passed. 2
- (b) A fighter jet flight flies around a square, the sides of which measure 100 km each. The flight covers the first side at a speed 100 kph, the second side at 200 kph, the third side at 300 kph and the fourth side at 400 kph. Find the average speed of its entire journey. 2
- (c) Find the coefficient of variation from the following : 6

Weight (in gm) :	110-119	120-129	130-139	140-149
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Frequency :	5	7	12	20
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Weight (in gm) :	150-159	160-169	170-179	180-189
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Frequency :	16	10	7	3
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UNIT—II

3. (a) Give the classical definition of probability and state its limitation. 3+3=6
- (b) If from a pack of cards a single card is drawn, what is the probability that it is either a spade or a king? 4

G16/256a

(Continued)

(3)

4. (a) Define regression analysis and write down the uses of it. 2+3=5
- (b) Find out rank coefficient of correlation from the following observations : 5
- A : 115 109 112 87 98 97 120 100 98 118
- B : 75 73 85 70 76 65 82 73 68 80

UNIT—III

5. (a) What is the meaning of an index number? Discuss briefly about the cost of living index numbers. 2+3=5
- (b) From the following observations, show that Fisher's ideal index satisfies time-reversal test : 5

Commodity	Base year		Current year	
	P	Q	P	Q
A	6	50	10	56
B	2	100	2	120
C	4	60	6	60
D	10	30	12	24

6. (a) What do you understand by analysis of time series? Describe in brief different components of time series. 2+4=6

(4)

- (b) Calculate 5 yearly moving averages for the data given below : 4

Year : 2007 2008 2009 2010 2011
Values : 116 120 125 132 125

Year : 2012 2013 2014 2015
Values : 129 134 140 112

UNIT—IV

7. (a) Solve the following system of equations by Cramer's rule : 5

$$\begin{matrix} x & 4y & z & 11 \\ 2x & 5y & 2z & 39 \\ 3x & 2y & z & 1 \end{matrix}$$

- (b) The prices of three commodities A, B and C in a shop are ₹ 5, ₹ 6 and ₹ 10 respectively. Customer X buys 8 units of A, 7 units of B and 8 units of C. Customer Y buys 6 units of A, 7 units of B and 8 units of C. Show the prices of the commodities, quantities bought in matrix and money spent by X and Y. 5

8. (a) Discuss in detail about the properties of determinants. 6

(5)

- (b) An amount of ₹ 65,000 is invested in three investments at rates of 6%, 8% and 9% per annum respectively. The total annual income is ₹ 4,800. The income from the third investment is ₹ 600 more than the income from the second investment. Using matrix algebra, determine the amount of each investment. 4

UNIT—V

9. (a) Evaluate the following limit : 2

$$\lim_{x \rightarrow 0} \frac{\sqrt{2-3x} - \sqrt{2-5x}}{4x}$$

- (b) If $x^3 + y^3 = 3axy$, find $\frac{dy}{dx}$. 3

- (c) The manufacturing cost of an item consists of ₹ 1,000 as fixed overhead cost, material cost ₹ 2 per unit and the labour cost $\frac{x^2}{90}$ for x items produced. Find how many items be produced to have the average cost as minimum. 5

(6)

10. (a) Evaluate the following integrals : 3+3=6

(i) $\int \frac{x^3 - 2x^2 + 3x}{\sqrt{x}} dx$

(ii) $\int_0^6 \sqrt{2x-4} dx$

- (b) Evaluate the following integral by substitution : 4

$$\int \frac{x}{\sqrt{a^2 - x^2}} dx$$

Subject Code : COM/IV/12

Booklet No. **A**

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(4th Semester)

COMMERCE

Paper : BC-412

(Quantitative Techniques)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 10)

1. Indicate whether the following statements are True (T) or False (F) by a Tick (✓) mark : $1 \times 5 = 5$

(a) The word 'statistics' refers to quantitative information or to a method of dealing with qualitative information.

(T / F)

(b) When data collected from published observation are called primary data.

(T / F)

(2)

(c) A map is called a pictograph.

(T / F)

(d) A square matrix is called a diagonal matrix if all the elements, except those in the leading diagonal are zero.

(T / F)

(e) A function $f(x)$ is said to be continuous, if it is giving same result at each point of its domain.

(T / F)

2. Choose the correct answer and place its code in the brackets provided : 1×5=5

(a) In a moderately asymmetrical distribution

(i) AM GM HM

(ii) HM GM AM

(iii) AM GM HM

(iv) AM HM GM

[]

(3)

(b) The coefficient of quartile deviation is calculated by the formula

$$(i) \frac{Q_3 - Q_1}{2}$$

$$(ii) \frac{Q_3 - Q_1}{Q_3 + Q_1}$$

$$(iii) \frac{Q_2 - Q_1}{Q_3 - Q_1}$$

$$(iv) \frac{Q_3 - Q_1}{Q_2 - Q_1} \quad [\quad]$$

(c) The factor-reversal test is satisfied when

$$(i) P_{0n} - Q_{0n} = \frac{p_0q_0}{p_nq_n}$$

$$(ii) P_{0n} - P_{n0} = \frac{p_nq_n}{p_0q_0}$$

$$(iii) P_{0n} - Q_{0n} = 1$$

$$(iv) P_{0n} - Q_{0n} = \frac{p_nq_n}{p_0q_0} \quad [\quad]$$

(4)

(d) The classical school of thought on probability or 'a priori' assumes that all possible outcomes of an experiment are

(i) equally likely

(ii) mutually exclusive, exhaustive and equally likely

(iii) mutually exclusive

(iv) exhaustive

[]

(e) The derivative of e^x is

(i) $x e^x$

(ii) $\log_e a$

(iii) e^x

(iv) $e^x \log_e a$

[]

(5)

SECTION—B

(Marks : 15)

3. Write notes on the following in not more than
6 sentences each : 3×5=15

(a) Primary data

(6)

(b) Scatter diagram

COM/IV/12/256

(7)

(c) Secular trend

(8)

(d) Cofactors of a matrix

(9)

(e) Theorems of maxima-minima points
