BC - 505

2022

(5th Semester)

COMMERCE

(Honours)

Paper No. : BC–505

(Project Planning and Control)

Full Marks : 70
Pass Marks : 45%

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. (a) What is project idea? What are the aspects for the generation and screening of project ideas?   4+10=14

Or

(b) What is screening of ideas? Explain preliminary screening of project ideas.   4+10=14

(Turn Over)

2. (a) What is demand analysis? Explain the steps for market and demand analysis.

4+10=14

Or

(b) Explain the various sources of secondary information. 14

3. (a) Explain the objectives and importance of material management. 7+7=14

Or

(b) What is meant by product mix? Discuss the elements and factors of product mix.

2+12=14

4. (a) Explain the various cost concepts. 14

Or

(b) Define capital structure. What are the significance and needs for capital structure? 4+5+5=14

5. (a) Define profitability. Explain the related concept of profitability. 4+10=14

Or

(b) What is cash flow statement? How is cash flow statement prepared? 2+12=14

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BC-502

BE/BC-502

2022

(5th Semester)

COMMERCE

Paper No. : BC-502

(Business Environment)

Full Marks : 70   *Pass Marks* : 45%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(*Marks* : 45)

The figures in the margin indicate full marks for the questions

1. *(a)* Discuss in brief the external factors of business environment.   9

Or

   (b) What is the meaning of business environment? Discuss the importance of macro-environment.   2+7=9

2. (a) Discuss the saving-investment model. 9

Or

(b) Elaborate the factors responsible for the growing balance of payments crises. 9

3. (a) What is inflation? Explain the different types of inflation. 2+7=9

Or

(b) Discuss the factors responsible for industrial sickness in India. 9

4. (a) What do you mean by privatization? Discuss the role of private sector in Indian economy. 2+7=9

Or

(b) Define monetary policy. What are the objectives of monetary policy? 2+7=9

5. (a) Highlights the success and failures of Five-Year Plan in India. 9

Or

(b) Explain the objectives of Twelfth Five-Year Plan. 9

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Or

(b) Explain the objectives of Twelfth Five-Year Plan.   9

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2022

(5th Semester)

COMMERCE

Paper : BC –502

(Business Environment)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

1. Tick (✓) the correct answer in the brackets provided :

    1×10=10

    (a) Relaxing the restrictions and controls imposed on Business and Industry means

    (i) liberalization ( )

    (ii) privatization ( )

    (iii) globalization ( )

    (iv) None of the above ( )

(b) Planning is a _____ process.

    (i) goal oriented   ( )

    (ii) flexible   ( )

    (iii) time bound   ( )

    (iv) All of the above   ( )

(c) The Industrial Policy resolution was passed first in

    (i) 1931   ( )

    (ii) 1948   ( )

    (iii) 1956   ( )

    (iv) 1999   ( )

(d) Laissez-faire Policy is adopted in

    (i) socialist economic system   ( )

    (ii) capitalist economic system   ( )

    (iii) mixed economic system   ( )

    (iv) communist economic system   ( )

(e) Which of the following elements are not internal environment?

    (i) Marketing capabilities   ( )

    (ii) Operational capabilities   ( )

    (iii) Money and capital markets   ( )

    (iv) Personal capabilities   ( )

(f) Pollution monitoring and control is done by the

    (i) Central Board of Prevention and Control of Water Pollution ( )

    (ii) Central Pollution Control Board ( )

    (iii) Central Government ( )

    (iv) None of the above ( )

(g) The MRTP Act of 1969 was abolished in

    (i) 1991 ( )

    (ii) 2002 ( )

    (iii) 2006 ( )

    (iv) None of the above ( )

(h) GST is imposed

    (i) directly on consumers ( )

    (ii) on final stage of production ( )

    (iii) on all stages from production to final sale ( )

    (iv) None of the above ( )

(i) The existence of a parallel economy on black money

    (i) makes the monetary policies less effective   ( )

    (ii) ensure a better distribution of income and wealth   ( )

    (iii) makes the economy more competitive   ( )

    (iv) ensure increasing productive market   ( )

(j) Which Five-Year Policy functioned on the basis of Mahalanobis model?

    (i) First Five-Year Plan   ( )

    (ii) Second Five-Year Plan   ( )

    (iii) Third Five-Year Plan   ( )

    (iv) Fourth Five-Year Plan   ( )

2. State whether the following statements are *True* (T) or *False* (F) by putting a Tick (✓) mark : 1×5=5

(a) The First Five-Year Plan was presented by Jawaharlal Nehru in 1951.

(T / F)

(b) The Environment Protection Act, 1986 came into force after the Bhopal gas tragedy.

(T / F)

(c) Sale of Business is a method of Privatization.

(T / F)

(d) Fishing is a part of secondary industry.

(T / F)

(e) Inflation is caused by the failure of aggregate supply to equal the increase in aggregate demand.

(T / F)

3. Write notes on any *five* of the following : 2×5=10

(a) Five-Year Plan

(b) Foreign Direct Investment

BE/BC–502/**99**

(c) Abolition of Industrial Licensing

(d) Regional Disparities

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(e) Types of Industries

(f) Savings

(g) Internal Environmental Factors

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BC-503 *(handwritten)*

BMCA/BC-503

2 0 2 2

(5th Semester)

COMMERCE

Paper No. : BC-503

(Business Mathematics and Computer Applications)

Full Marks : 70   *Pass Marks* : 45%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(*Marks* : 45)

The figures in the margin indicate full marks
for the questions

1. *(a)* *(i)* Find the value of determinant by Sarrus method of the following :   3

$$A = \begin{vmatrix} 2 & 4 & 6 \\ 5 & 3 & 1 \\ 3 & -1 & 5 \end{vmatrix}$$

(ii) Solve with the help of Cramer's rule of the following : : 6

$$x - y = 1$$
$$3x + 5y = 11$$

Or

(b) (i) State the four properties of determinants. 4

(ii) It is given that consumption C and savings S are functions of income Y. Also $Y = C + S$. If an economy may be described as $C = 100 + 0 \cdot 4Y$ and $S = 50 + 0 \cdot 3Y$, find the equilibrium income, consumption and savings by using Cramer's rule. 5

2. (a) (i) Find the Adj A, if

$$A = \begin{bmatrix} 2 & 3 & -5 \\ 4 & 1 & 7 \\ 6 & 2 & 6 \end{bmatrix}$$

4

(ii) If

$$A = \begin{bmatrix} 2 & 5 & 6 \\ 3 & 5 & 1 \end{bmatrix} \text{ and } B = \begin{bmatrix} 2 & 5 \\ 6 & 7 \\ 8 & 1 \end{bmatrix}$$

show that $AB \neq BA$. 5

L23/100a

Or

(b) The following matrix gives the number of units of 3 products P, Q and R that can be processed per hour on 3 machines A, B and C :

$$\begin{bmatrix} 10 & 12 & 15 \\ 13 & 11 & 20 \\ 16 & 18 & 14 \end{bmatrix}$$

Determine by using matrix algebra, how many units of each product can be produced if the hours on machines A, B and C are 54, 46 and 48 respectively.   9

3. (a)   (i) Evaluate the limit

$$\lim_{x \to 2} \frac{x^3 - 3x + 2}{x^2 - x - 2}$$

4

(ii) Find the total derivatives of first-order of the function $V = x^3 - 3y$, where $y = 3x - 1$ w.r.t. x.   5

Or

(b) Find the maximum and minimum values of the function

$$2x^3 + 3x^2 - 12x + 60$$

9

23/100a   (*Turn Over*)

(4)

4. (a) What is operating system? Discuss the various functions of operating system.
2+7=9

Or

(b) Discuss the various kinds of computer languages.
9

5. (a) Write notes on the following : 4+5=9

(i) Features of E-commerce

(ii) Uses of Internet

Or

(b) Discuss the various types of protocols used in Internet.
9

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2 0 2 2

(5th Semester)

COMMERCE

Paper No. : BC-503

(Business Mathematics and Computer Applications)

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—I

(*Marks* : 15)

1. Indicate whether the following statements are *True (T)* or *False (F)* by putting a Tick (✓) mark : 1×5=5

   (a) The derivative of a constant function is unity.

   (T / F)

   (b) If two rows or two columns of a determinant are identical, the value of determinant is unity.

   (T / F)

/100

(c) Determinant has got no numerical value.

(T / F)

(d) Intranet is an international network of networks.

(T / F)

(e) The process of finding and correcting program error is called debugging.

(T / F)

2. Choose the correct answer and place its code in the brackets provided : $1 \times 10 = 10$

(a) A square matrix A is called involutory, if

(i) $A^2 = A$

(ii) $A^2 = I$

(iii) $A'A = I$

(iv) $A' = A$ [   ]

(b) Which of the following statements is *not* correct?

(i) Matrix multiplication is not distributive with respect to addition of matrices.

(ii) Matrix multiplication is not always commutative.

(iii) Matrix multiplication is associative if conformability is assured.

(iv) Matrix addition is commutative and associative.

[   ]

(c) If $|A| \neq 0$, then the system of linear equations is

(i) consistent and has a unique solution

(ii) not consistent and has no solution

(iii) consistent and has infinitely many solutions

(iv) None of the above

[   ]

(d) The derivative of a function of multiple variables when all but variable of interests are held fixed during the differentiation is

(i) chain rule

(ii) Euler's theorem

(iii) partial derivatives

(iv) differentiation of implicit function [   ]

(e) The cofactor of A_{32} in

$$\begin{vmatrix} 2 & 4 & 1 \\ 0 & 1 & 5 \\ 6 & 4 & 2 \end{vmatrix}$$

is

(i) −16

(ii) 16

(iii) 10

(iv) −10   [   ]

(f) The derivative of a^3 with respect to x is

   (i) $3a^2$

   (ii) $a^4/4$

   (iii) $3a^4$

   (iv) 0   [   ]

(g) The decimal equivalent of $(10011)_2$ is

   (i) 19

   (ii) 18

   (iii) 9

   (iv) 6   [   ]

(h) What do you call a computer on a network that requests from another computer?

   (i) A client

   (ii) A host

   (iii) A router

   (iv) A web server   [   ]

BMCA/BC–503/**100**

(6)

(i) Which of the following is **not** an Internet Protocol?

    (i) HTTP

    (ii) FTP

    (iii) STP

    (iv) IP   [   ]

(j) 'Heart' of the computer system is the

    (i) input unit

    (ii) memory unit

    (iii) control unit

    (iv) CPU   [   ]

BMCA/BC–503/**100**

SECTION—II

(*Marks* : 10)

3. Answer/Write short notes on any *five* of the following :   2×5=10

(a) Find the value of x, if

$$\begin{vmatrix} 2 & 4 \\ 5 & 6 \end{vmatrix} = \begin{vmatrix} 9x & 5 \\ 5x & 6 \end{vmatrix}$$

(8)

(b) Binary number system

BMCA/BC-503/100

(c) Bus topology

(d) UNIX

(e) Compiler

(f) Rational and irrational number systems

(g) Operation rules of matrices

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BC-504

CL/BC-504

2 0 2 2

(5th Semester)

COMMERCE

Paper No. : BC–504

(Company Law)

Full Marks : 70   *Pass Marks* : 45%

Time : 3 hours

(PART : B—DESCRIPTIVE)

(*Marks* : 45)

The figures in the margin indicate full marks for the questions

1. (a) Define the term 'company'. Explain the characteristics of a company.   2+7=9

Or

(b) Explain the various steps involved in incorporation of a company.   9

2. (a) What is Memorandum of Association? Explain the various clauses of Memorandum of Association. 2+7=9

Or

(b) What is a share? Explain the different types of shares which a company can issue under the Companies Act, 2013.

2+7=9

3. (a) What do you mean by capital management? Write a note on borrowing power of companies. 2+7=9

Or

(b) Define debenture. Explain the different steps in issue of debenture. Write in brief the rights of a debenture holder.

2+5+2=9

4. (a) Explain the power, duties and responsibilities of a managing director.

3+3+3=9

Or

(b) Define meeting. Discuss the essential requirements for conducting a meeting.

2+7=9

L23/101a

(Continued)

(3)

5. (a) What do you understand by winding-up of a company? Write a note on compulsory winding-up by the Tribunal.

3+6=9

Or

(b) What do you understand by oppression? Discuss the provisions of the Companies Act for the prevention of oppression and mismanagement.   3+6=9

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L23—800/101a   CL/BC-504

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(5th Semester)

COMMERCE

Paper No. : BC–504

(Company Law)

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

1. State whether the following statements are *True (T)* or *False (F)* by putting a Tick (✓) mark : 1×5=5

(a) A private company may allot shares without issuing a prospectus.

(T / F)

(b) The notice of change of registered office address should be given to ROC within 15 days of such change.

(T / F)

(c) Debenture holder is the owner of the company.

(T / F)

(2)

(d) The proxies have registered rights and counted for quorum.

(T / F)

(e) Promoter has right to receive preliminary expenses.

(T / F)

2. Put a Tick (✓) mark against the correct answer in the brackets provided :   1×10=10

(a) A company incorporated by a special Act of the Parliament is

   (i) registered company   (   )

   (ii) chartered company   (   )

   (iii) statutory company   (   )

   (iv) All of the above   (   )

(b) Minimum paid-up capital of company must be

   (i) 5 lakhs   (   )

   (ii) 1 lakh   (   )

   (iii) 10 lakhs   (   )

   (iv) No limit   (   )

(c) Articles of Association are

    (i) compulsory for every company　　( )

    (ii) optional for a public company, compulsory for others　　( )

    (iii) optional for a private company, compulsory for others　　( )

    (iv) optional for every company　　( )

(d) Doctrine of ultra vires means

    (i) acts done outside the prospectus of the company　　( )

    (ii) acts done outside the contract of the company　　( )

    (iii) acts done outside the resolutions of the company　　( )

    (iv) acts done outside the memorandum of the company　　( )

(e) Every public company must have at least

    (i) one director   ( )

    (ii) two directors   ( )

    (iii) three directors   ( )

    (iv) five directors   ( )

(f) A company limited by shares is known as

    (i) limited company   ( )

    (ii) unlimited company   ( )

    (iii) one-man company   ( )

    (iv) None of the above   ( )

(g) Who among the following cannot file a petition for winding-up?

    (i) The company   ( )

    (ii) Contributory   ( )

    (iii) Registrar   ( )

    (iv) Promoter   ( )

(h) In case of voluntary winding-up, a liquidator for conducting the winding-up proceedings is appointed by the

   (i)   Central Government   (   )

   (ii) Company in its General Meeting   (   )

   (iii) Company Law Board   (   )

   (iv) Registrar   (   )

(i) The validity period of shelf prospectus is

   (i)   one year   (   )

   (ii) two years   (   )

   (iii) five years   (   )

   (iv) valid for life   (   )

(j) The authorized capital is also called as

   (i)   nominal capital   (   )

   (ii) registered capital   (   )

   (iii) issued capital   (   )

   (iv) Both (i) and (ii)   (   )

CL/BC–504/101

3. Write short notes on the following :   2×5=10

    (a)   Corporate Personality

(b) Prospectus

(c)   Mortgage

(d)   Government Companies

(e) Minutes

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CL/BC–504/**101**