PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch – COMMERCE (COST AND MANAGEMENT ACCOUNTING)

FUNDAMENTALS OF LAW AND ETHICS

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 x 1 = 5)

1   An agreement enforceable by law is
(i) Promise   (ii) Contract
(iii) Both (i)&(ii)   (iv) None of these

2   The contract between principal and agent is called
(i) Contract of indemnity   (ii) Contract of guarantee
(iii) Contract of agency   (iv) All of these

3   When Sale of goods Act was enacted?
(i) 1930   (ii) 1947   (iii) 1955   (iv) 1971

4   Negotiable Instruments include
(i) Promissory Note   (ii) Bill of Exchange
(iii) Cheque   (iv) All of these

5   Which of the following is not the ethical practice of a business?
(i) Kickback schemes   (ii) Honesty
(iii) Fairness   (iv) Accountability

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6   a)   Define offer and state its types.
                        OR
    b)   When consent is said to be free?

7   a)   State the rights of an agent.
                        OR
    b)   Narrate the duties of bailor

8   a)   State the goods under sale of goods act.
                        OR
    b)   Explain about implied conditions.

9   a)   Classify the types of crossing.
                        OR
    b)   Summarise the essentials of a cheque.

10 a)   Explain about honesty and accountability.
                        OR
    b)   Explain the disadvantages of business ethics.

SECTION -C (30 Marks)
Answer any **THREE** questions
ALL questions carry **EQUAL** Marks   (3 x 10 = 30)

11   Classify the modes of discharge of contract.

12   Differentiate bailment from pledge.

13   Examine the rights of an unpaid vendor.

14   Identify the differences between promissory note and bill of exchange.

15   Enumerate the need for business ethics.

Z-Z-Z   END

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(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch – **COMMERCE (COST & MANAGEMENT ACCOUTNING)**

BUSINESS MATHEMATICS AND STATISTICS

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 x 1 = 5)

1   If $A = \{3, 5, 7, 9\}$ and $B = \{2, 4, 6\}$, then
   (i) $4 \in A$ (ii) $4 \subset A$ (iii) $B \subset A$ (iv) $4 \in B$

2   A child has 3 pockets and 4 coins. In how many ways can he put the coins in his pocket?
   (i)   72   (ii) 76   (iii) 81   (iv) 86

3   With the help of histogram we can prepare:
   (i)   frequency polygon   (ii)   frequency curve
   (iii) Ogives   (iv)   all the above

4   If the correlation is perfect then what is the value of r?
   (i)   0   (ii) 1   (iii) 0.50   (iv) 0.75

5   In a certain college, the students engage in sports in the following proportion: Football (F): 60% of all students, Basketball (B): 50% of all students, Both Football and Basketball : 30% of all students. If a student is selected at random the probability that he will play neither sports is
   (i)   0.20   (ii) 0.25   (iii) 0.32   (iv) 0.18

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks   (5 x 3 = 15)

6   a   Write the following sets in the roster form.
      (i) $A = \{x : x\}$ is a letter in the word 'MATHEMATICS'
      (ii) $B = \{x : x \in N$ and $2 < x < 8\}$.
                     OR

   b   Three persons get into a railway carriage, where there are 8 seats. In how many ways can they seat themselves?

7   a   If X, Y, Z are any three complex n-vectors and k is any complex number, prove that $(X, Y + Z) = (X, Y) + (X, Z)$.
                     OR

   b   Find the derivative of $f(x) = \dfrac{2x - 3}{3x + 4}$.

8   a   Explain in brief pie-chart.
                     OR

   b   What is coefficient of variation? Write its importance.

9   a   Calculate the correlation coefficient between price and sales of a product during 8 months period from the following data:

Price (Rs.)	100	90	85	92	90	84	88	90
Sales('00)	5	6	7	6	7	8	8	7

                     OR

   b   Distinguish between 'correlation' and 'regression analysis'. Why there are two regression lines?

10   a   Explain with example the Multiplication theorem of probability.
                     OR

10 b The chance that Doctor 'D' will diagnose disease 'B' correctly is 60%. The chance that a patient will die by his treatment after correct diagnosis is 40% and the chance of death by wrong diagnosis is 70%. A patient of doctor 'D' who had disease B died. What is the chance that his disease was correctly diagnosed?

SECTION -C (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

11 a Given: $A = \{1, 3\}$, $B = \{3, 5\}$ and $C = \{5, 10\}$, verify the following relations.
(i) $A \times B \neq B \times A$
(ii) $A \times (B \cup C) = (A \times B) \cup (A \times C)$
(iii) $A \times (B \cap C) = (A \times B) \cap (A \times C)$

OR

b Simplify $\dfrac{\log \sqrt{27} + \log 8 - \log \sqrt{1000}}{\log 1.2}$

12 a Examine the continuity at $x = 1$ and $x = 2$ of the function

$$f(x) = \begin{cases} 2x & \text{if} & 0 \leq x \leq 1 \\ 2 - x & \text{if} & 1 \leq x \leq 2 \\ x2 - 2x & \text{if} & x > 2 \end{cases}$$

OR

b Differentiate $x^{e^x} + e^{x^x}$.

13 a Discuss the concept "Dispersion".

OR

b Calculate the median and mode for the distribution of the weights of 150 students from the data given below:

Weight (in kg) :	30-40	40-50	50-60	60-70	70-80	80-90
Frequency :	18	37	45	27	15	8

14 a Discuss the properties of correlation coefficient.

OR

b From the following data, find an appropriate regression equation and predict the value of y for $x = 2.5$:

x :	1	2	3	4	5	7	10
y :	2	2	5	4	6	9	12

15 a Define Normal Distribution. Write its important properties.

OR

b The Human Resource department of a company has the following educational qualifications of its 200 engineers:

Age	Bachelor's degree only	Master's degree	Total
Under 30	90	10	100
30 to 40	20	30	50
Over 40	40	10	50
Total	150	50	200

If one engineer is selected at random from the company, find:
(a) the probability he has only a Bachelor's degree
(b) the probability that he has a Master's degree, given that he is over 40.
(c) the probability that he is under 30, given that he has only a Bachelor's degree.

Z-Z-Z   END

PSG COLLEGE OF ARTS & SCIENCE
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BCom DEGREE EXAMINATION DECEMBER 2022
(Third Semester)

Branch – COMMERCE (COST AND MANAGEMENT ACCOUNTING)

OPERATIONS MANAGEMENT I

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (5 x 1 = 5)

1 Production system model comprises of _____.
   (i)   Production system   (ii) Conversion sub system
   (iii) Control sub system   (iv) All of the above

2 Production Management starts with
   (i)   Aggregate planning   (ii) Average planning
   (iii) Strategy formulation   (iv) None of the above

3 Which of the following processes is not a part of the Production Planning and
   Control system?
   (i)   Integration of processes   (ii) Routing
   (iii) Expediting and follow up   (iv) All of the above

4 Work study examines
   (i)   Method   (ii) Duration of work
   (iii) Both 'i' and 'ii'   (iv) None of the above

5 In general, Capacity can be expressed in
   (i)   Output measures   (ii) Input measures
   (iii) Output measures/Input measures   (iv) None of the above

SECTION - B (15 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 3 = 15)

6 a What is meant by operations management?
                    OR
   b Explain the objectives of operation management?

7 a What are the importance of design of goods and service?
                    OR
   b What is product life cycle?

8 a Explain the importance of production planning.
                    OR
   b List out the benefits of Production control

9 a What do you mean by Predetermined Motion Time System(PMTS)?
                    OR
   b Classify the different methods of Time study.

10 a Explain plan layout with example
                    OR
   b What are the types of process charts?

Cont...

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11 a   Describe is the importance of operation management when it comes into business?

OR

b   Discuss the Scope of operations management.

12 a   Enumerate the principles of forecasting.

OR

b   State down the steps in process planning.

13 a   Discuss are the elements of production control?

OR

b   Explain the types of production control.

14 a   Analyse the steps involved in method study?

OR

b   Elucidate the Techniques of work measurement.

15 a   Point out the criteria for selection and design of layout.

OR

b   Summarise the steps in location planning?

Z-Z-Z   END

PSG COLLEGE OF ARTS & SCIENCE
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BCom DEGREE EXAMINATION DECEMBER 2022
(Fifth Semester)

Branch – COMMERCE (COST AND MANAGEMENT ACCOUNTING)

PRINCIPLES AND PRACTICES OF AUDITING

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions

ALL questions carry **EQUAL** marks   (10 x 1 = 10)

1. Auditing is compulsory for
   (i) Sole trader business   (ii) Partnership firm
   (iii) Company   (iv) Audit book

2. An auditor is a -------
   (i) Watch dog   (ii) Blood hound
   (iii) Street dog   (iv) Tame dog

3. ---------- book is a dairy or register maintained by audit staff to note errors, doubtful queries and difficulties.
   (i) Audit note   (ii) Audit working papers
   (iii) Technical work   (iv) Company

4. -------------is a written scheme prepared by the auditor to distribute work to be followed during audit.
   (i) Audit programme   (ii) Audit file
   (iii) Minute book   (iv) Vouching

5. ---------- is a broader term.
   (i) Internal audit   (ii) Internal check
   (iii) Internal control   (iv) Auditing

6. ------ is a system which provides a measure for the management to obtain information and control of a business organization.
   (i) Internal check   (ii) Internal control
   (iii) Audit   (iv) Frauds

7. ---------- is done throughout the year.
   (i) Verification   (ii) Vouching
   (iii) Valuation   (iv) Confirmation

8. An auditor examines documentary evidences relating to the recording of transactions in support and thus, checks the authenticity of such records is known as --------.
   (i) Accounts   (ii) Audit
   (iii) Vouching   (iv) Verification

9. A ------ represents the verification of cost accounts and checking on the adherence to cost accounting plan.
   (i) Company Audit   (ii) Management Audit
   (iii) Cost Audit   (iv) CAGI

Cont...

10. A -----is an objective examination and evaluation of the financial statements of an organization to make sure that the financial records are a fair and accurate representation of the transactions they claim to represent.
    (i) Financial audit   (ii) Cost audit
    (iii) Research audit   (iv) Internal Audit

SECTION - B (35 Marks)
Answer ALL Questions
ALL Questions Carry **EQUAL** Marks (5 x 7 = 35)

11 a. Describe the objectives of Auditing.
OR
    b. Bring out the Advantages of Auditing.

12 a. Analyze the Advantages of audit Programme.

OR
    b. Narrate the basic elements of audit report.

13 a. Explain the objects of internal check.
OR
    b. Show the features of good Internal Check System.

14 a. State the Objects of Vouching.
OR
    b. Narrate the objectives of verification of assets.

15 a. State the objectives of Cost Audit.
OR
    b. Show the Disqualification Cost Auditor.

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry **EQUAL** Marks   (3 x 10 = 30)

16. Explain the classifications of audit.

17. Discuss the contents of audit note book.

18. Distinguish between internal check systems and internal audit.

19. Enumerate the provisions of Appointment of an auditor.

20. Differentiate financial audit and cost audit.

Z-Z-Z   END

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BCom DEGREE EXAMINATION DECEMBER 2022
(Fifth Semester)

Branch – COMMERCE (COST & MANAGEMENT ACCOUNTING)

DISCIPLINE SPECIFIC ELECTIVE – I : WORKING CAPITAL MANAGEMENT

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 1 = 10)

1   Working Capital is also known as
(i)   Revolving Capital, Circulating Capital, Long –Term Capital
(ii) Revolving Capital, Circulating Capital, Short –Term Capital
(iii) Revolving Capital, Circulating Capital, Temporary Capital
(iv) Revolving Capital, Circulating Capital, Permanent Capital

2   Positive working capital refers to the
(i)   Excess of current liabilities over current assets
(ii) Excess of current assets over current liabilities
(iii) Excess of Inventories over current liabilities
(iv) Excess of debtors over creditors

3   A /An _____ is a financial institution which offers services relating to management and financing of debts arising out of credit sales.
(i) Indigenous Banker   (ii) Factor
(iii) Commercial paper   (iv) Public deposits

4   Trade credit is a
(i)   Short term source of finance   (ii) Long term source of finance
(iii) Spontaneous source of finance   (iv) Medium term source of finance

5   Which of the following does NOT form a part of operating cycle?
(i)   Cash   (ii) Work in progress   (iii) Debtors   (iv) Creditors

6   Which of the following is not an inventory?
(i)   Machines   (ii) Raw Materials
(iii) Finished Products   (iv) Consumable Tools

7   Which of the following statement is true for Inventory Control?
(i)   EOQ has minimum total cost per order
(ii) Inventory carrying cost increases with quantity per order
(iii) Ordering cost decreases with lot size
(iv) All of the above

8   What are the various methods of estimating cash?
(i)   Receipts and payment method   (ii) Adjusted profit & loss method
(iii) Balance sheet method   (iv) All of the above

9   Money market financial services not include:
(i)   Bill discounting   (ii) Merchant banking
(iii) Leasing   (iv) Securitisation

10   As per the Lending norms of Tandon's Committee, in the first method the borrower will have to contribute a minimum of _____ of the working capital gap from long-term funds, i.e., owned funds.
(i)   10%   (ii) 25%   (iii) 30%   (iv) 50%

SECTION - B (35 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks   (5 x 7 = 35)

11 a State the objectives of Working Capital Management.
OR
b Show the charts to explain the Working Capital Management Theories and Approaches.

12 a Describe the sources of financing working capital requirements?
OR
b State the methods of measuring the working capital.

13 a Bring out the measures to be undertaken to maintain the Cost of Receivables?
OR
b Outline the Dimensions of Receivables Management.

14 a How to determine the Optimum Cash Balances?
OR
b Summarise the Benefits of Inventory Management?

15 a Explain the uses of Money Market Instruments.
OR
b Sketch the Corporate liquidity?

SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16 Enumerate the determinants of working Capital.

17 Elucidate the steps for Credit Evaluation.

18 Discuss in detail the factors Influencing Size of Receivables

19 Summarise the Tools and Techniques of Inventory Management.

20 Highlight the committee's recommendations on working capital.

Z-Z-Z   END