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Sl.No. 13259

Total No. of Pages : 2

ಮೂರನೆಯ ಚತುರ್ಮಾಸ ಬಿ.ಕಾಂ. ಪರೀಕ್ಷೆ, ಡಿಸೆಂಬರ್ - 2023/ಜನವರಿ - 2024

(ಚತುರ್ಮಾಸ ಸ್ವೀಮ್ : ಎನ್‌ಇಪಿ)

(2022-23 ರಿಂದ 2023-24 ನೆಯ ಸಾಲಿನ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ)

ಕನ್ನಡ ಭಾಷೆ (ಪತ್ರಿಕೆ-2)

ವಾಣಿಜ್ಯ ಗಂಗೋತ್ರಿ-3

Time : 2½ Hours

Max. Marks : 60

ಪ್ರ1) ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ:

[10]

- ೧) ವೀರನು ಮಾತಿನಿಂದಾಗುವುದಿಲ್ಲ ಕೃತಿಯಿಂದಾಗುತ್ತಾನೆ ಎಂಬುದನ್ನು ಉತ್ತರ ಕುಮಾರನ ಪ್ರಸಂಗದ ಮೂಲಕ ಕವಿ ಹೇಗೆ ತಿಳಿಸಿದ್ದಾನೆ? ವಿವರಿಸಿ.
- ೨) ಬುದ್ಧಿವಂತರಾಗಿ ಮಕ್ಕಳು ಬೆಳೆಯುವಲ್ಲಿ ಮಾರ್ಗದರ್ಶನ ಅತ್ಯಗತ್ಯ ಎಂಬುದನ್ನು 'ಪೆದ್ದುಂಡ' ಕಥೆಯು ಒಂದು ಉತ್ತಮ ಕಥೆಯಾಗಿದೆ. ವಿವರಿಸಿ.

ಪ್ರ2) ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ:

[10]

- ೧) 'ಎಲ್ಲಾಮಾಯ' ಕವನವು ನೈಜ ಜೀವನದಲ್ಲಿ ಎದುರಿಸಿದ ಘಟನೆಗಳ ಅನಾವರಣವಾಗಿದೆ ತಿಳಿಸಿ.
- ೨) ಆಧುನಿಕತೆಯ ಬದಲಾವಣೆಗಳು ಇಡೀ ಊರನ್ನೇ ಅವಸಾನ ಮಾಡಬಲ್ಲದು ಎಂಬುದು 'ಮೇದರ ಹಳ್ಳಿಯ ಅವಸಾನ'ದಲ್ಲಿ ಹೇಗೆ ಕಂಡು ಬಂದಿದೆ ತಿಳಿಸಿ.

ಪ್ರ3) ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ:

[10]

- ೧) ಹೆಣ್ಣು-ಗಂಡಿನ ನಡುವಿನ ತಾರತಮ್ಯವನ್ನು 'ಹದಿಬದೆಯ ಧರ್ಮ'ದ ಸಂಚಿಯ ಹೊನ್ನಮ್ಮ ಹೇಗೆ ವಿರೋಧಿಸಿದ್ದಾಳೆ ವಿವರಿಸಿ.
- ೨) ಉಮಾಶ್ರೀ ಬದುಕಲು ಎದುರಿಸಿದ ಸವಾಲುಗಳು 'ಕಮರಿದ ಕನಸುಗಳು' ಎಂಬ ಕಥೆಯಲ್ಲಿ ಹೇಗೆ ಒಡಮೂಡಿದೆ ತಿಳಿಸಿ.

ಪ್ರ4) ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ:

[10]

- ೧) ಸಮಾಧಿಯೂ ಹೇಗೆ ಪ್ರಸಿದ್ಧಿ ಹೊಂದುತ್ತದೆ? ಇದಕ್ಕೆ ಕಾರಣವಾದ ಸತ್ಯವನ್ನು ಮಾಸ್ತಿಯವರು ಹೇಗೆ ವರ್ಣಿಸಿದ್ದಾರೆ? ತಿಳಿಸಿ.
- ೨) ವೈದ್ಯರು ರೋಗಿಗಳಿಂದ ಹಣಮಾಡುವ ದುರುದ್ದೇಶವನ್ನು ನಾಗೇಶ ಹೆಗಡೆ 'ಹೈಟೆಕ್ ರಣವೈದ್ಯ'ದಲ್ಲಿ ಹೇಗೆ ಚರ್ಚಿಸಿದ್ದಾರೆ? ತಿಳಿಸಿ.

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[2×5=10]

ಪ್ರ5) ಎರಡು ವಾಕ್ಯಗಳ ಸಂದರ್ಭ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ.

- ೪ ೧) ಅಂತೆಯೆ ಅಕ್ಕಿ, ಸೀತಾಸ್ವಯಂವರಮಂಪೇಟೆಂ  
೨) ನಾನೇ ನನ್ನನ್ನು ತಿನ್ನುವ ಅನ್ನ  
೩) ತನುವಿನ ಸೂತಕಕ್ಕೆ ತೆರಹುಂಟೇ ಅಯ್ಯಾ?  
೪) ನಾನು ಇದ್ದೇನೆ ಅಡುಗೆ ಮನೆಯಲ್ಲಿ

ಪ್ರ6) ಒಂದು ವಿಷಯ ಕುರಿತು ಸ್ವಂತ ಅಭಿಪ್ರಾಯವನ್ನು ಬರೆಯಿರಿ:

[1×5=5]

- ೪ ೧) ಲಿಂಗ ಸಮಾನತೆಯ ಅವಶ್ಯಕತೆಯನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.  
೨) ಮಾರುಕಟ್ಟೆ ಮಾನವನ ದೈನಂದಿನ ಚಟುವಟಿಕೆಗಳ ಕೇಂದ್ರವಾಗಿದೆ ಚರ್ಚಿಸಿ.

ಪ್ರ7) ಒಂದು ಪದ ಅಥವಾ ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ.

[5×1=5]

- 3 ೧) ಕವಿ ಕುಮಾರವ್ಯಾಸ ಯಾರ ಪರಮ ಭಕ್ತನಾಗಿದ್ದನು?  
೨) 'ಮುದ್ದಣ' ಎಂಬುದು ಯಾವ ಕವಿಯ ಕಾವ್ಯನಾಮ?  
೩) ಡಾ. ನರಹಳ್ಳಿ ಬಾಲಸುಬ್ರಹ್ಮಣ್ಯರವರ ಪ್ರಬಂಧದ ಹೆಸರೇನು?  
೪) ಆರಿಫ್‌ಗಳ ಗಂಡನ ಹೆಸರೇನು?  
೫) ಮೋಳಿಗೆ ಮಾರಯ್ಯ ವಚನಗಳ ಅಂಕಿತವೇನು?





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III Semester B.Com./B.B.A./B.B.A.(TH)/B.B.A.(TT)  
Examination, December - 2023 / January - 2024

75

(Semester Scheme) (NEP)

ENGLISH LANGUAGE - III

Macbeth and Communication Skills

Time : 2½ Hours

Max. Marks : 60

UNIT - I

1. Answer four of the following : [4 × 5 = 20]
  - 3 a) Comment on the opening scene in Macbeth. -
  - 3 b) Sketch the character of lady Macbeth. -
  - c) Describe the characters of Malcolm and Donalbain.
  - 2 d) What was Macbeth's reaction to the witches prophesy that he would be the king in future? -
  - 2 e) Write a note on 'Murder scene'. -
  - f) What are your impressions of Banquo?
2. Answer one of the following : [1 × 10 = 10]
  - 6 a) Assess in detail the role of supernatural elements in 'Macbeth'. -
  - b) Sketch the character of Macbeth.
  - c) Attempt a critical analysis of the 'sleep walking scene', in Macbeth.
3. Answer two of the following : [2 × 5 = 10]
  - 4 a) What does the term 'Dream' refer to in Martin Luther king's speech, 'I Have A Dream'? Explain. -
  - 4 b) 'Religious tolerance and mutual respect for those with different faiths and beliefs', is the message of Vivekanandas Chicago speech elaborate. -
  - c) Discuss the launch of 'Quit India' movement and the importance of Mahatma Gandhi's mantra 'Do or Die'.
  - d) Summarise the main ideas of Dr B R Ambedkar's 'Constituent Assembly', speech Delivered on Dec. 17, 1946.

P.T.O.

UNIT - II4. Answer one of the following :

[1 × 5 = 5]

- 3
- a) What is presentation? Write a brief note on various types of presentation.
  - b) Draft PPT slides for 'Demonstrative presentation', on making churumuri.
  - c) What is informative and instructional presentation? Elaborate by giving an example.

5. a) Answer one of the following :

[1 × 5 = 5]

- 2
- i) Describe your favourite movie actor.
  - ii) What is narrative writing? Explain by narrating an accident which you saw last month.
  - iii) What is comparative writing? Give the example of comparison between on line education & regular education.

b) Answer one of the following :

[1 × 5 = 5]

- 3
- i) Draft a letter of enquiry regarding the bulk purchase of fabrics addressed to Oswal textiles, Punjab, asking for quotation & samples.
  - ii) Write a letter of complaint to the sales manager, ABC electronics about the damaged computers received.
  - iii) You are Mr. Raju, Hostel warden, Public school, Mysore, write a letter to the sales manager Bharat electronics Ltd, New Delhi, placing an order for five ceiling fans that you wish to purchase for the hostel. Mention terms & conditions.

c) Answer one of the following :

[1 × 5 = 5]

- 3
- i) What is an advertisement? Explain the two main types of advertisement.
  - ii) What is 'Poster Making'? Explain by creating a poster for your college fest.
  - iii) Define manual and describe in short the three types of manuals.





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Sl. No.

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Total No. of Pages : 4

III Semester B.Com. Examination, December - 2023 /  
January - 2024

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(Scheme : NEP 2021-22)

**COST ACCOUNTING**

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the parts.

**PART - A**

Answer any five of the following questions. Each question carries 2 marks.

[5 × 2 = 10]

- Q1) What is Cost Accounting?
- Q2) Calculate EOQ, if Annual consumption is 3,200 units, cost of placing one order is ₹ 200 and the cost of carrying one unit for a year is ₹ 10.
- Q3) What do you mean by time keeping?
- Q4) Write a note on Idle time.
- Q5) What is Re-apportionment of overheads?
- Q6) State the basis of apportionment of the following items of overheads.
  - a) General Lighting
  - b) Canteen Expenses
  - c) Rent & Rates
  - \* d) Repairs & Maintenance of plant & Machinery
- Q7) State any two reasons for differences in profits under financial and Cost Accounts.

**P.T.O.**

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PART - B

Answer any two of the following questions. Each question carries 10 marks.  
[2 × 10 = 20]

Q8) What is Labour Turnover? Explain the causes of Labour Turnover.

Q9) From the following information calculate. Re-order level, Minimum stock level, maximum stock level and Average stock level of components 'A' & 'B'

Normal usage 200 units per week

Minimum usage 100 units per week

Maximum usage 300 units per week

Re-order Quantity : A - 800 units

B - 1200 units

Re-order period A - 8 to 12 weeks

B - 4 to 8 weeks

Q10) Calculate Total Earnings under Halsey and Rowan plan from the following information.

<u>Name of the worker</u>	<u>P</u>	<u>Q</u>	<u>C</u>
Time Taken (in hours)	60	50	70

Standard Time 65 hours allowed for the job Rate per hour ₹ 50.

Q11) From the following information Prepare a Reconciliation statement

	₹
* Net profit as per cost accounts	2,58,000
* Administration overhead recovered in excess in cost books	10,200
- * Works overhead under recovered in cost account	7,500
- * Income-tax provided in financial books	31,500
(*) * Interest on Investment received not included in cost book	12,000
(*) * Obsolescence loss charged in financial books	16,500
(*) * Bank interest credited in financial books	1,800
* Depreciation charged	
- Cost Books	27,000
- Financial Books	31,500

Find out profit as per Financial Books.



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PART - C

Answer any two of the following questions. Each question carries 15 marks.

[2 × 15 = 30]

Q12) What are the Advantages and Limitations of cost accounting?

Q13) Prepare cost sheet for the year ending 31/12/2022. The following information relating to Kowshik Company Limited.

Stock on 1/1/2022

	₹
Raw-materials	1,00,000
Finished products (1000 units)	80,000

Stock on 31/12/2022

Raw - materials	1,10,000
Finished products (2000 units)	80,000
Raw-materials purchased	6,00,000
Direct wages	5,00,000
Factory overheads	2,00,000
Carriage Inwards	10,000
Opening stock of work-in-progress	24,000
Closing stock of work-in-progress	80,000
Office overheads	40,000
Sale of finished goods	15,00,000

Advertisement expenses ₹ 4/- per unit sold 16,000 units were produced during the year. Profit 25% on sales.

Q14) XYZ Co., Ltd. have three production departments and two service department the details are as follows.

	<u>Production Dept.</u>			<u>Service Dept.</u>	
	P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	S <sub>1</sub>	S <sub>2</sub>
Direct wages (₹)	6,000	4,000	6,000	3,000	4,000
Value of Machine (₹)	1,20,000	1,60,000	2,00,000	10,000	10,000
H.P. of Machines	120	60	100	20	-
Light points	20	30	40	20	10
Floor space (Sq. ft.)	4,000	5,000	6,000	4,000	1,000
Direct Materials (₹)	10,000	8,000	9,000	3,000	2,000

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The following additional information are obtained from it's records :

Rent and Rates ₹ 1,00,000

General lighting ₹ 12,000

Indirect wages ₹ 4,600

Power ₹ 30,000

Depreciation On Machines ₹ 15,000

The expenses of the service departments are allocated as under :

	P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	S <sub>1</sub>	S <sub>2</sub>
S <sub>1</sub> :	20%	30%	40%	-	10%
S <sub>2</sub> :	40%	20%	30%	10%	-

Prepare Primary and Secondary Distribution statement. Redistribute the service department costs to the production departments by using repeated distribution method.

**Q15)** From the following information, calculate the earnings of each employee and earnings per hour under Halsey and Rowan plan.

Name of Worker	Ajay	Vijay
Standard	1200 units	900 units
Units Per hour	40 units	30 units
Time taken	26 hrs.	28 hrs.
Rate per hour	Rs. 100	Rs. 100





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Sl. No. 15632

Total No. of Pages : 7

III Semester B.Com. Examination, Dec.-2023/Jan.-2024

(109)

(Scheme : NEP) (2021-22)

**CORPORATE ACCOUNTING**

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the parts.

**PART - A**

(10)

Answer any **FIVE** of the following questions. Each question carries 2 marks :  
[5 × 2 = 10]

- Q1) What do you mean by marked and unmarked applications?
- Q2) Who is an underwriter?
- Q3) List out any four Intangible assets.
- Q4) What do you mean by Goodwill?
- Q5) Write down the appropriate ratio used for the apportionment of the following items.
  - a) Discount received
  - b) Bad debts
  - c) Carriage outwards
  - d) Interest on loan
- Q6) What is Interim Dividend?
- Q7) How do you calculate the fair value of an equity share?

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PART - B

Answer any Two of the following questions. Each question carries 10 marks :  
[2 × 10 = 20]

Q8) Explain the various factors that affect the valuation of shares.

Q9) The net profits of business after providing for taxation for the past 5 years were ₹ 1,60,000, ₹ 1,70,000, ₹ 1,80,000, ₹ 2,10,000 and ₹ 2,30,000. The capital employed in the business is ₹ 12,00,000. The reasonable rate of return expected in this type of business is 12%. Income on investment ₹ 6,000 calculate the value of goodwill on the basis of

- a) 5 years purchase of super profit method.  $\begin{matrix} 12\% \text{ NP} = 144000 \\ \text{Avg p} = 114000 \\ \text{SP} = 40000 \end{matrix}$   $\text{GW} = 200000$
- b) Capitalization of super profit method.  $0.333333$
- c) Annuity method, taking present value of annuity ₹ 1 for 5 year at 12% is 4.75.  $190000$ .

Q10) A company issued 50,000 shares. These shares were underwritten as follows:

X-10,000 shares, Y-15,000 shares and Z-5,000 shares. The total subscription was for 40,000 shares of which marked applications were as follows :

X-6,000 shares, Y-7,000 shares and Z-1,000 shares. Determine the net liability of the underwriters and also calculate the commission payable to them as per the law (in cash).



Q11) Sri Manjunatha Ltd was incorporated on 1-7-2021 to takeover the business of Ashok as a going concern from 1-4-2021. The following is the profit and loss a/c for the year ending 31-3-2022.

Particulars	₹	Particulars	₹
To Salaries	72,000	By Gross profit b/d	1,80,000
"Rent and rates	3,600		
"Office expenses	24,000		
"Commission on sales	16,000		
"Audit fees	2,000		
"Interest to vendor (up to 1.9.2021)	5,000		
"Depreciation	4,000		
"Advertising	8,000		
"Carriage outwards	2,000		
"Preliminary expenses written off	1,000		
"Net profit	42,400		
	1,80,000		1,80,000

The turnover of the company up to 01-07-2021 stood at ₹ 4,00,000 and thereafter sales was ₹ 12,00,000.

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PART - C

Answer any Two of the following questions. Each question carries 15 marks:  
[2 × 15 = 30]

Q12) The balance sheet of Urs Ltd. as on 31/03/2021 was as follows

Liabilities	₹	Assets	₹
Equity shares of ₹ 100 each	30,00,000	Goodwill	3,00,000
General reserve	6,75,000	Buildings	10,00,000
P & L A/c	1,50,000	Plant & Machinery	15,00,000
10% Debentures	7,50,000	Furniture	2,50,000
S. Creditors	6,50,000	Investments	10,00,000
Bank overdraft	2,10,000	Cash in hand	1,00,000
Bills payable	1,15,000	Stock	8,00,000
		Debtors	4,00,000
		Bills receivable	2,00,000
	55,50,000		55,50,000

On 31/3/2021 the goodwill of the company was valued at ₹ 4,50,000, building ₹ 25,00,000, plant & machinery ₹ 20,00,000, furniture ₹ 2,00,000, investment ₹ 10,25,000. It was found that stock was over valued by ₹ 5,000. The other assets are valued at their book values.

The net profit earned by the company amounts to ₹ 4,20,000 in 2019, ₹ 4,40,000 in 2020 & ₹ 4,90,000 in 2021. Every year 20% of profit earned was transferred to general reserve. A return of 10% on the investment is considered fair in the industry.

Compute the value of company's share by :

- Net assets method.
- Yield method (ignore taxation)
- Fair value method.

$$IV = 198.16$$

$$AP = 450000$$

$$FRR = 12$$

$$MV = 120$$



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Q13) Sushma company limited issued ₹ 1,00,000 Equity Share of ₹ 60 each. A, B, C and D underwrite the entire issue in the proportion of 40%, 30%, 20% and 10% respectively in consideration of commission in cash @4%. They also apply for firm shares application as follows :

A-3,000 shares, B-2,000 shares C-2,000 shares and D-3,000 shares. Excluding the firm applications the public apply for 60,000 shares of which marked applications are as follows :

A-10,000 shares, B-6,000 shares C-8,000 shares and D-16,000 shares.

Show the number of shares to be taken up by each of the underwriters treating:

- Firm applications as marked applications
- Firm applications as unmarked applications and
- Find out the commission payable to underwriters

Q14) From the following Trial balance of Sony Co. Ltd as at 31.3.2022. Prepare final accounts in the prescribed form (Schedule III of the companies act 2013).

Debit balances	₹	Credit balances	₹
Buildings	5,00,000	Equity Share Capital	3,00,000
Plant & Machinery	2,00,000	12% pre-share capital	2,00,000
Purchases	2,50,000	Reserve Fund	1,50,000
Salary	60,000	10% debentures	2,00,000
		Sales	6,00,000

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Sundry debtor's	2,30,000	Sundry creditor's	1,75,000
Bills receivable	80,000	Bills payable	90,000
Directors fees	20,000	Purchase returns	20,000
Bad debts	5,000	Profit and Loss A/c	60,000
		on 1.4.2021	
Sales return's	15,000	Interest on Investments	18,000
Wages	15,000		
Opening Stock (1.4.21)	45,000		
Loose tools	60,000		
Goodwill	80,000		
Discount on Issue	20,000		
of shares			
Cash and bank balance	33,000		
12% Investments	2,00,000		
(1.4.2021)			
	18,13,000		18,13,000

Adjustments :

- Closing stock is valued at ₹ 1,40,000
- Outstanding wages ₹ 2,500
- Write off 10% of goodwill and 10% of discount on Issue of shares.
- Debenture interest is outstanding for the whole year
- Buildings and plant and machinery to be depreciated by 5% and 10% respectively.
- Transfer ₹ 25,000 to reserve fund
- The directors propose 15% dividend to Equity share holders (ignore CDT)



Q15) Swetha Ltd. was incorporated on 01-08-2022 to take over the running business of Dijesh as from 01-04-2022. The profit and loss account of the company for the year ending 31-3-2023 was as follows :

Particulars	₹	Particulars	₹
To Salaries	60,000	By Gross Profit b/d	2,00,000
"Rent and Taxes	23,000	"Rent Received	6,000
"General expenses	7,200		
"Directors fees	3,000		
"Selling expenses	4,000		
"Discount allowed	1,000		
"Advertisement	7,500		
"Preliminary exp written off	3,300		
"Interest on Debentures	1,400		
"Repairs to Building	7,200		
"Depreciation	2,400		
"Carriage outwards	6,000		
"Net profit	80,000		
	2,06,000		2,06,000

Additional Information :

- Rent was paid at ₹ 1,000 p.m up to 1.9.2022 and there after it was increased to ₹ 2,000 p.m.
- The average monthly sales during the pre-incorporation period was ₹ 60,000 and the average monthly sales of post-incorporation period was 70,000.

Prepare a statement of profit and loss showing profit prior to and after incorporation of the company as per schedule III of companies act, 2013.

TR = 1.2

SR = 3.2

□□□

25850

54150.

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Sl.No. 15670

Total No. of Pages : 3

III Semester B.Com. Examination, December-2023/January-2024

(Scheme : NEP) (2021-22)

(96)

**BUSINESS STATISTICS (DSC)**

Time : 2½ Hours

Max. Marks : 60

Instruction: Answer all the Parts.

**PART - A**

Answer any Five of the following questions. Each question carries 2 marks.

[5 × 2 = 10]

1. What do you mean by secondary data?
2. If the MD and  $\bar{X}$  are 5 and 90 respectively, calculate the co-efficient of MD.
3. Write a note on dependent and independent events.
4. State the types of correlation.
5. What are the uses of Index Numbers?
6. Calculate the co-efficient of skewness, if  $\bar{X}=63$ ,  $M = 68$  and  $SD = 18$ .
7. What is the probability of getting a number less than 4 in a single throw of a die?

**PART - B**

Answer any Two of the following questions. Each question carries 10 marks :

[2 × 10 = 20]

8. Calculate the QD and the co-efficient of QD from the following data:
- | Wages (₹) :      | 30-32 | 32-34 | 34-36 | 36-38 | 38-40 | 40-42 | 42-44 |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| No. of Workers : | 12    | 18    | 26    | 14    | 12    | 10    | 8     |

QD - 2.445

co-eff 0.0681

P.T.O.



✓ 9. Two dice are thrown. Find the probability that

- Two dice show the same number.
- Total of the two dice is more than 6.
- First die shows 3.
- Total of the two dice is less than 8.

✓ 10. From the following data calculate the two regression equations and also estimate the value of  $y$  when  $x = 21$  and value of  $x$  when  $y = 16$ .

$$\bar{X} = 18 \quad \sigma_x = 2.6$$

$$Y = 12 \quad \sigma_y = 2.3$$

$$r = 0.8$$

$$y = 16.1218$$

$$x = 21.6172$$

✓ 11. From the following data calculate the cost of living index number (Consumer price index number) under

- The Aggregate Expenditure method
- The Family budget method

Commodity	Quantity (In units)	Price per unit	
		2021	2022
		₹	₹
A	100	8	12.00
B	25	6	7.50
C	10	5	5.25
D	20	48	60.00
E	65	15	16.50
F	30	20	27.00

PART - C

Answer any two of the following questions. Each question carries 15 marks.

[2 × 15 = 30]

12. Calculate the mean, median and mode from the following data.

Mid - values : 115 125 135 145 155 165 175 185 195

Frequency : 6 25 48 72 116 60 38 22 3

13. Two brands of tyres are tested for their life and the following results were obtained:

Life (in months): 20-25      25-30      30-35      35-40      40-45

No. of Tyres x : 1              22              64              10              3

No. of Tyres y : 3              21              74              1              1

If consistency is the criterion which brand of tyres would you prefer?

14. From the following data calculate the Fisher's Ideal Index Number and state whether it satisfies both TRT and FRT:

	Base year		Current Year	
Consumption	Quantity	Price (₹)	Quantity	Value (₹)
Bread	10	03	08	32
Meat	20	15	15	300
Tea	2	25	03	69
Banana	3	05	02	12
Biscuit	12	10	08	96

1436.59

15. From the following data, calculate the co-efficient of correlation between the density of population and the death rate :

Density of population	200	500	400	700	600	300
Population	30,000	90,000	40,000	42,000	72,000	24,000
No. of Deaths	3,000	14,400	5,600	6,300	3,600	3,360

○○○○○

$\bar{x} = 153$   
 $m = 153$   
 $z = 154.4$



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Sl.No. 9471

Total No. of Pages : 4

III Semester B.A./B.Com./B.B.A./B.C.A./B.S.W./B.Sc.

Examination, December - 2023/January - 2024

(Scheme : NEP)

POLITICAL SCIENCE

India and Indian Constitution (AECC)

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all sections.

ಎಲ್ಲಾ ವಿಭಾಗಗಳಿಗೂ ಉತ್ತರಿಸಿ.

SECTION - A

ವಿಭಾಗ-ಎ

All questions are compulsory.

[10×1=10]

ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳು ಕಡ್ಡಾಯ.

Multiple Choice questions :

ಬಹು ಆಯ್ಕೆ ಪ್ರಶ್ನೆಗಳು:

Q1) How many fundamental duties of the citizen of India

a) 10

b) 11

c) 12

d) 15

ಭಾರತೀಯ ಪೌರನ ಮೂಲಭೂತ ಕರ್ತವ್ಯಗಳು ಎಷ್ಟು?

ಎ) 10

ಬಿ) 11

ಸಿ) 12

ಡಿ) 15

Q2) Who elects the president of India.

a) Electrol college

b) Parliament

c) Prime minister of India

d) Loksabha

ಭಾರತ ದೇಶದ ರಾಷ್ಟ್ರಪತಿಯನ್ನು ಯಾರು ಆಯ್ಕೆ ಮಾಡುತ್ತಾರೆ.

ಎ) ಚುನಾವಣಾ ಮಂಡಳಿ

ಬಿ) ಸಂಸತ್ತು

ಸಿ) ಭಾರತದ ಪ್ರಧಾನ ಮಂತ್ರಿ

ಡಿ) ಲೋಕಸಭೆ

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Q3) When did the right to information act come into force.

- a) 2008
- b) 2006
- c) 2005
- d) 2003

ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯಿದೆ ಯಾವಾಗ ಜಾರಿಗೆ ಬಂತು

- ಎ) 2008
- ಬಿ) 2006
- ಸಿ) 2005
- ಡಿ) 2003

Q4) Who stated that "Swaraj is my birth right"?

- a) Balagangadhar Tilak
- b) Bhagat Singh
- c) Mahatma Gandhi
- d) Raja Ram Mohan Roy

“ಸ್ವರಾಜ್ಯ ನನ್ನ ಆ ಜನ್ಮ ಸಿದ್ಧ ಹಕ್ಕು” ಎಂದು ಹೇಳಿದವರಾರು?

- ಎ) ಬಾಲಗಂಗಾಧರ್ ತಿಲಕ್
- ಬಿ) ಭಗತ್ ಸಿಂಗ್
- ಸಿ) ಮಹಾತ್ಮ ಗಾಂಧಿ
- ಡಿ) ರಾಜಾರಾಮ್ ಮೋಹನ್ ರಾಯ್

Q5) Who is the first citizen of India.

- a) Prime minister
- b) Vice-President
- c) Speaker of Lok Sabha
- d) President

ಭಾರತದ ಪ್ರಥಮ ಪ್ರಜೆ ಯಾರು?

- ಎ) ಪ್ರಧಾನ ಮಂತ್ರಿ
- ಬಿ) ಉಪರಾಷ್ಟ್ರಪತಿ
- ಸಿ) ಲೋಕಸಭೆ ಸ್ಪೀಕರ್
- ಡಿ) ರಾಷ್ಟ್ರಪತಿ

Q6) Who is the Father of Indian constitution.

- a) Jawaharlal Nehru
- b) Dr. Rajendra Prasad
- c) Dr. B.R. Ambedkar
- d) Dr. K.M. Munshi

ಭಾರತ ಸಂವಿಧಾನದ ಪಿತಾಮಹ ಯಾರು?

- ಎ) ಜವಾಹರಲಾಲ್ ನೆಹರೂ
- ಬಿ) ಡಾ. ರಾಜೇಂದ್ರ ಪ್ರಸಾದ್
- ಸಿ) ಡಾ. ಬಿ.ಆರ್. ಅಂಬೇಡ್ಕರ್
- ಡಿ) ಡಾ.ಕೆ.ಎಂ. ಮುನ್ಶಿ

Q7) Which is the lower house of the parliament of India.

- a) Senate
- b) Lok Sabha
- c) Rajya Sabha
- d) House of Commons

ಭಾರತದ ಸಂಸತ್ತಿನ ಕೆಳಮನೆ ಯಾವುದು?

- ಎ) ಸೆನೆಟ್
- ಬಿ) ಲೋಕಸಭೆ
- ಸಿ) ರಾಜ್ಯ ಸಭೆ
- ಡಿ) ಸಾಮಾನ್ಯ ಸಭೆ

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Q8) Who was the main proponents of Bhoodan movement.

- a) Mahatma Gandhi  
c) Vinoba Bhave

- b) Mahadev Desai  
d) Raja Ram Mohan Roy

ಭೂದಾನ ಚಳುವಳಿಯ ಪ್ರಮುಖ ಪ್ರತಿಪಾದಕರು ಯಾರು?

- ಎ) ಮಹಾತ್ಮ ಗಾಂಧಿ  
ಸಿ) ವಿನೋಬಾ ಭಾವೆ

- ಬಿ) ಮಹದೇವ್ ದೇಸಾಯಿ  
ಡಿ) ರಾಜಾರಾಮ್ ಮೋಹನ್ ರಾಯ್

Q9) Who is regarded as "Karnataka's Gandhi"?

- a) S. Nijalingappa  
c) K.C. Reddy

- b) Hardekar Manjappa  
d) K. Hanumantaiah

"ಕರ್ನಾಟಕದ ಗಾಂಧಿ" ಎಂದು ಯಾರನ್ನು ಕರೆಯಲಾಗುತ್ತದೆ?

- ಎ) ಎಸ್. ನಿಜಲಿಂಗಪ್ಪ  
ಸಿ) ಕೆ.ಸಿ. ರೆಡ್ಡಿ

- ಬಿ) ಹರ್ಡೇಕರ್ ಮಂಜಪ್ಪ  
ಡಿ) ಕೆ. ಹನುಮಂತಯ್ಯ

Q10) Cauvery water dispute is related to the following states.

- a) Karnataka - Tamil Nadu  
c) Kerala - Tamil Nadu

- b) Karnataka - Goa  
d) Karnataka - Andhra Pradesh

ಕಾವೇರಿ ಜಲ ವಿವಾದ ಈ ಕೆಳಕಂಡ ರಾಜ್ಯಗಳಿಗೆ ಸಂಬಂಧಿಸಿದೆ.

- ಎ) ಕರ್ನಾಟಕ-ತಮಿಳುನಾಡು  
ಸಿ) ಕೇರಳ-ತಮಿಳುನಾಡು

- ಬಿ) ಕರ್ನಾಟಕ-ಗೋವಾ  
ಡಿ) ಕರ್ನಾಟಕ-ಆಂಧ್ರ ಪ್ರದೇಶ

### SECTION - B

#### ವಿಭಾಗ-ಬಿ

Short answer questions :

[5×5=25]

ಕಿರು ಉತ್ತರದ ಪ್ರಶ್ನೆಗಳು:

Answer any five questions. Answer the following questions in not more than 3 to 5 sentences.

ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ 3 ರಿಂದ 5 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

Q11) Explain the functions of election commission.

ಚುನಾವಣಾ ಆಯೋಗದ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

Q12) Discuss the concept of Satyagraha propounded by Mahatma Gandhiji.

ಮಹಾತ್ಮ ಗಾಂಧೀಜಿಯವರು ಪ್ರತಿಪಾದಿಸಿದ ಸತ್ಯಾಗ್ರಹ ಪರಿಕಲ್ಪನೆಯನ್ನು ವಿವರಿಸಿ.

Q13) Write a short note on right to equality.

ಸಮಾನತೆಯ ಹಕ್ಕಿನ ಬಗ್ಗೆ ಒಂದು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

Q14) Discuss the role of Hardekar Manjappa in Regional Freedom Struggle.

ಪ್ರಾದೇಶಿಕ ಸ್ವಾತಂತ್ರ್ಯ ಹೋರಾಟದಲ್ಲಿ ಹರ್ಡೇಕರ್ ಮಂಜಪ್ಪರವರ ಪಾತ್ರವನ್ನು ಚರ್ಚಿಸಿ.



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Q15) Explain the preamble of the Indian constitution.

ಭಾರತದ ಸಂವಿಧಾನದ ಪ್ರಸ್ತಾವನೆಯನ್ನು ವಿವರಿಸಿ.

Q16) State the fundamental duties of the citizen of India.

ಭಾರತೀಯ ಪೌರನ ಮೂಲಭೂತ ಕರ್ತವ್ಯಗಳನ್ನು ತಿಳಿಸಿ.

Q17) Write a essay on right to information Act.

ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯಿದೆಯ ಬಗ್ಗೆ ಒಂದು ಪ್ರಬಂಧ ಬರೆಯಿರಿ.

### SECTION - C

#### ವಿಭಾಗ-ಸಿ

Medium answer questions :

[1×10=10]

ಮಾಧ್ಯಮ ಉತ್ತರದ ಪ್ರಶ್ನೆಗಳು:

Answer any one question. Answer the following question in not more than 500 words.

ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ 500 ಪದಗಳಿಗೆ ಮೀರದಂತೆ ಉತ್ತರಿಸಿ.

Q18) Explain the composition, powers and functions of the Lok Sabha.

ಲೋಕ ಸಭೆಯ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

Q19) Analyse the contribution of Dr. B.R. Ambedkar in making of the Constitution.

ಸಂವಿಧಾನದ ರಚನೆಯಲ್ಲಿ ಡಾ. ಬಿ.ಆರ್. ಅಂಬೇಡ್ಕರ್ ರವರ ಕೊಡುಗೆಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿ.

### SECTION - D

#### ವಿಭಾಗ-ಡಿ

Long answer questions :

[1×15=15]

ದೀರ್ಘ ಉತ್ತರದ ಪ್ರಶ್ನೆಗಳು:

Answer any one question. Answer the following question in not more than 800 words.

ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ 800 ಪದಗಳಿಗೆ ಮೀರದಂತೆ ಉತ್ತರಿಸಿ.

Q20) Describe the power and functions of the prime minister of India.

ಭಾರತದ ಪ್ರಧಾನ ಮಂತ್ರಿಯವರ ಅಧಿಕಾರಗಳು ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವರ್ಣಿಸಿ.

Q21) Explain the salient features of the constitution of India.

ಭಾರತದ ಸಂವಿಧಾನದ ಪ್ರಧಾನ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.



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Sl.No. 19125

Total No. of Pages : 3

III Semester B.A./B.Sc./B.Com./B.B.A./B.C.A./B.F.C.

Examination, December - 2023/January - 2024

(Scheme : NEP)

COMPUTER SCIENCE

Artificial Intelligence (SEC - 2)

Time : 2 Hours

Max. Marks : 30

Instruction : Answer Part - A, Part - B, and Part - C.

ಭಾಗ ಎ, ಬಿ ಮತ್ತು ಸಿ ಗಳಲ್ಲಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

PART - A

ಭಾಗ-ಎ

I. Answer any 5 questions.

[5×1=5]

ಯಾವುದಾದರೂ 5 ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

Q1) Who is the father of AI?

AI ಯ ಪಿತಾಮಹ ಯಾರು?

Q2) What is MAS?

ಎಂ.ಎ.ಎಸ್. ಎಂದರೇನು?

Q3) What is Natural language processing?

ನೈಸರ್ಗಿಕ ಭಾಷಾ ಸಂಸ್ಕರಣೆ ಎಂದರೇನು?

Q4) What is Azure Automated Machine learning.

ಅಜೂರ್ ಸ್ವಯಂಚಾಲಿತ ಯಂತ್ರ ಕಲಿಕೆ ಎಂದರೇನು?

Q5) What is Azure Machine learning studio?

ಅಜೂರ್ ಮೆಷಿನ್ ಲರ್ನಿಂಗ್ ಸ್ಟುಡಿಯೋ ಎಂದರೇನು?

Q6) What is Speech recognition?

ಭಾಷಣ ಗುರುತಿಸುವಿಕೆ ಎಂದರೇನು?

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Q7) What is text analysis?

ಟೆಕ್ಸ್ಟ್ ವಿಶ್ಲೇಷಣೆ ಎಂದರೇನು?

PART - B

ಭಾಗ-ಬಿ

II. Answer any 5 questions.

[5×2=10]

ಯಾವುದಾದರೂ 5 ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

Q8) Define Expert systems.

ತಜ್ಞ ವ್ಯವಸ್ಥೆಯನ್ನು ವಿವರಿಸಿ.

Q9) What is conversational AI?

ಸಂವಾದಾತ್ಮಕ AI ಎಂದರೇನು?

Q10) What is computer vision?

ಕಂಪ್ಯೂಟರ್ ದೃಷ್ಟಿ ಎಂದರೇನು?

Q11) Mention the types of Machine learning.

ಯಂತ್ರ ಕಲಿಕೆಯ ಪ್ರಕಾರಗಳನ್ನು ಉಲ್ಲೇಖಿಸಿ.

Q12) What is the text extraction?

ಟೆಕ್ಸ್ಟ್ ಹೊರತೆಗೆಯುವಿಕೆ ಎಂದರೇನು?

Q13) What is Natural language understanding [NLU]?

ನೈಸರ್ಗಿಕ ಭಾಷೆಯ ತಿಳುವಳಿಕೆ [NLU] ಎಂದರೇನು?



PART - Cಭಾಗ-ಸಿ

III. Answer any one full question.

[1×15=15]

ಯಾವುದಾದರೂ ಒಂದು ಪೂರ್ಣ ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ.

Q14)a) What are the elements of AI? [4]

AI ನ ಅಂಶಗಳು ಯಾವುವು?

b) How does conversational AI works? [5]

ಸಂವಾದತ್ಮಕ AI ಹೇಗೆ ಕೆಲಸ ಮಾಡುತ್ತದೆ?

c) Explain the steps for Analyzing images with the computer vision services. [6]

ಕಂಪ್ಯೂಟರ್ ವಿಷನ್ ಸೇವೆಯೊಂದಿಗೆ ಚಿತ್ರಗಳನ್ನು ವಿಶ್ಲೇಷಿಸುವ ಹಂತಗಳನ್ನು ವಿವರಿಸಿ.

OR/ಅಥವಾ

Q15)a) Explain the applications of AI. [4]

AI ಯ ಅಪ್ಲಿಕೇಶನ್‌ಗಳನ್ನು ವಿವರಿಸಿ.

b) What are the key areas used during the data analysis process? [5]

ಡೇಟಾ ವಿಶ್ಲೇಷಣೆ ಪ್ರಕ್ರಿಯೆಯಲ್ಲಿ ಬಳಸಲಾಗುವ ಪ್ರಮುಖ ಕ್ಷೇತ್ರಗಳು ಯಾವುವು?

c) Explain the components of conversational AI. [6]

ಸಂವಾದತ್ಮಕ AI ನ ಘಟಕಗಳನ್ನು ವಿವರಿಸಿ.

☆ ☆ ☆