

Unique Paper Code : 52411202_OC
 Name of the Paper : Business Mathematics and Statistics
 Name of the Course : B.Com
 Semester : II
 Duration : 2 hours
 Maximum Marks : 75

Attempt any four questions. All questions carry equal marks.

1. The share prices of Reliance Ltd. and Infosys Ltd. recorded for 10 days are given below:

Days		1	2	3	4	5	6	7	8	9	10
Share prices (Rs.)	Reliance Ltd.	1100	1150	1120	1240	1200	1210	1290	1290	1310	1300
	Infosys Ltd.	150	130	120	140	140	130	170	140	110	160

Which company's share prices are more consistent?

Also calculate the combined average price and the combined variance of share prices for the two companies taken together.

2. Using the following information about Aptitude scores (X) and Productivity Index (Y) of workers, calculate:
- Karl Pearson's coefficient of correlation
 - Two regression coefficients
 - Two regression equations
 - Estimated productivity index of a worker whose aptitude test score is 460

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What is the relationship between correlation and regression coefficients?

3. Which is the best method for construction of Index Numbers? Explain why. Show whether this index satisfies the various tests of adequacy of index number formulae.
4. Explain the Moving Average Method of determining trend values. Compare it with the method of least squares in terms of its merits and limitations.
Compute 4-yearly moving averages for the following data:

Year	Profits (in Thousands INR)	Year	Profits (in Thousands INR)
2008	24	2014	98
2009	28	2015	94
2010	34	2016	112
2011	42	2017	132
2012	52	2018	154
2013	64	2019	178

5. A firm's average cost function is $AC(x) = 10 - 0.0001x^2$ and its demand function is $D(x) = 1000 - 0.001x$ where x and p represent quantity and price respectively. Determine the levels of output (x) that (i) maximizes total revenue, (ii) minimizes marginal cost, (iii) maximizes profit.
6. A machine costing Rs.1,50,000 depreciates at the rate of 7% p.a. for the first 2 years, at 10% p.a. for the next 4 years and then at 12% p.a. (depreciation being calculated on the diminishing value). Find the book value of the machine at the end of 10 years and the amount of depreciation provided for the 10th year. Also find the average rate of depreciation.

SET-A

Name of the Course : B.Com. (P)
Unique Paper Code : 52051223 OC
Name of the Paper : Hindi 'C'
Semester : II

Duration : 2 Hours.

Maximum Marks : 75

आवश्यक निर्देश :

1. उत्तर लिखने से पहले प्रश्नों को ठीक से समझने का प्रयास करें।
2. दिये गये कुल छः प्रश्नों में से किन्हीं चार के उत्तर देने हैं।
3. प्रत्येक प्रश्न 18.75 अंक का है।

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1. हिंदी भाषा का सामान्य परिचय दीजिए।
 2. आदिकालीन हिंदी कविता की प्रमुख प्रवृत्तियों पर प्रकाश डालिए।
 3. कबीरदास की साहित्यिक विशेषताएँ बताइए।
 4. घनानंद का साहित्यिक परिचय दीजिए।
 5. 'नर हो न निराश' कविता का प्रतिपाद्य स्पष्ट कीजिए ।
 6. सुमित्रानंदन पंत के काव्य की विशेषताएँ लिखिए।
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कोर्स : बी. कॉम. प्रोग्राम

यूनिक पेपर कोड : 52051221 – OC - SET - C

शीर्षक : हिन्दी भाषा और साहित्य – हिन्दी 'क'

सेमेस्टर : II

पूर्णांक : 75

समय 2 घण्टे

आवश्यक निर्देश :

1. उत्तर के पूर्व प्रश्नों को अच्छी तरह से समझने का प्रयास करें।
2. छह प्रश्नों में से किसी भी चार प्रश्नों के उत्तर दिए जाने हैं।
3. प्रत्येक प्रश्न 18.75 अंक का होगा।

प्रश्न 1. हिन्दी की बोलियों का परिचय दीजिए।

प्रश्न 2. भारतेन्दुयुगीन काव्य की विशेषताओं का परिचय दीजिए।

प्रश्न 3. मीरा की भक्तिभावना पर प्रकाश डालिए।

प्रश्न 4. घनानन्द की प्रेमभावना का विवेचन कीजिए।

प्रश्न 5. 'बादल को घिरते देखा है' कविता की मूल भावना पर विचार कीजिए।

प्रश्न 6. 'जयद्रथवध' के आधार पर मैथिलीशरण गुप्त के काव्यसौंदर्य पर प्रकाश डालिए।

SET-A

Name of the Course	:	B.Com. (Prog.)
Unique Paper Code	:	52051222 OC
Name of the Paper	:	MIL, Hindi-B (Hindi Bhasha Aur Sahitya)
Semester	:	II
Duration	:	2 hours
Maximum Marks	:	75 Marks

निम्नलिखित में से किन्ही चार प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न 18.75 अंक का है।

1. हिंदी के उद्भव और उसकी विकास-यात्रा का संक्षिप्त परिचय लिखिए।
2. आदिकालीन काव्य की प्रमुख प्रवृत्तियों पर प्रकाश डालिए।
3. कबीर के काव्य में वर्णित सामाजिक-चेतना पर प्रकाश डालिए।
4. 'बिहारी के काव्य में भक्ति और श्रृंगार का सुंदर सांमजस्य है।' स्पष्ट कीजिए।
5. सुभद्राकुमारी चौहान का साहित्यिक परिचय दीजिए।
6. 'वर दे वीणा वादिनी वर दे' कविता का प्रतिपाद्य लिखिए।

SET B

Unique Paper Code:	52411406
Name of the Paper:	Business Communication
Name of the Course:	B.Com.
Scheme/Mode of Examination:	CBCS
Semester:	IV
Duration:	2 hours
Maximum Marks:	75 Marks

Instructions for candidates

- Attempt any 4 questions.
 - All questions carry equal marks.
 - Answers may be written either in English or in Hindi; but the same medium should be used throughout the paper.
1. “Barriers to communication hampers the smooth transmission of information, ideas, knowledge, feelings and emotions.” Examine the relevance of this statement and state the various barriers to communication.
 2. What are the characteristics of oral communication? Discuss the advantages and disadvantages of oral communication.
 3. Draft a letter to the branch manager of ABC Bank to opt for availing the facility of moratorium on the business loan taken by your company.
 4. Prepare a public speech (in 150-200 words) on the topic “Education can happen outside the classroom too”
 5. You have been working as the HR manager with ABC Consultants Ltd. Write a memorandum to an employee whose services are being dismissed due to non-requirement of his/her services.
 6. Interview the commissioner of the Municipal Department questioning them on how they propose to solve the problem of garbage collection in your locality.

Set : A
 Unique Paper Code : 52414404
 Name of the Paper : Cost Accounting
 Name of the Course : B.Com -CBCS
 Semester : Sem. IV
 Duration : 2 hours
 Maximum Marks : 75 Marks

Instructions for Candidates

1. It is an Open book examination
2. Answers may be written either in English or Hindi; but same medium should be used throughout the paper.
3. **Attempt any four Questions**
4. **All** questions carry equal marks.
5. Use of simple calculator is allowed.

1. You are being approached by a medium size enterprise to suggest how to curtail cost and increase the profit. After analysing, you find that only financial records are being properly maintained by it. Suggest why cost accounting information is necessary. Also suggest the different criterion of classifying costs.

2. A manager has the following data for procuring a particular item.

Annual demand: 1,000 Units, Ordering cost: Rs.800 per order, Inventory carrying cost: 40% per Unit, Cost per unit: Rs.60. A supplier is offering a discount of 10% on the purchase of material if the order size is at least 350 Units. Advise the manager whether the discount should be availed? Also advice him various methods of keeping records of workers attendance and how idle time can be avoided.

3. When the overheads are allocated, apportioned and absorbed? Also prepare Process A and B A/c if a product passes through two processes, A and B. The normal wastage is 5% in process A while it is 2% in process B. During the year 10,000 units@ Rs.8 per unit were introduced in process A . The other expenses were as follows:

	Process A	Process B
Material	-	Rs.8,260
Labour	Rs.13,000	Rs.6,500
Direct Expenses	Rs.8,500	Rs.5,900
Actual output (Units)	9,400	9,250

4. The following figures are extracted from the Financial Accounts of PS Ltd. for the year ending 31March 2019. PS Ltd had paid income tax of Rs. 50,000 and interest on capital Rs. 40,000 while it had written off Goodwill of Rs. 2,00,000.

	Rs.
Sales (20,000 Units)	50,00,000
Materials	20,00,000
Wages	10,00,000
Factory Overheads	9,00,000
Administrative Overheads	5,20,000
Selling and distribution overhead	3,60,000

Finished goods (1,230 Units)	3,00,000
Closing work in progress: Material	60,000
Labour	40,000
Factory Overhead	40,000
	1,40,000

In the costing records, factory overheads is charged at 100% of wages. Administrative overhead at 10% of factory cost and selling and distribution overhead @ Rs.20 per Unit sold.

Prepare

(i) Statement of Cost and profit.

(ii) Profit and Loss A/C.

(iii) Reconciliation Statement.

5 Kashi Bus Services Ltd. Runs 5 buses on 40Km long route.

The buses make 3 round trips per day carrying on an average 80% passenger of their seating capacity. The seating capacity of each bus is 40 passengers and the buses run on an average 25 days in a month. Kashi get diesel @ Rs. 65 per litre and the bus runs 6 Km per litre. The other information for the year 2019-20 are given below:

Cost of each bus	Rs 45,00,000
Annual depreciation	15% of cost
Annual insurance	3% of cost
Garage rent	Rs 40,000 per month
Annual repairs	Rs 82,500 each bus
Salaries of 5 drivers	Rs 13,000 each per month
Wages of 5 conductors	Rs 9,000 each per month
Manager's salary	Rs 50,000 per month
Road tax per bus	Rs 5,000 for a quarter
Office expenses	Rs 20,000 per month

You are required to calculate the bus fare to be charged from each Passenger per Kilometre, if the City Bus service wants to earn profits of 20% on takings.

6. A company undertook a contract for construction of a building. The construction work commenced on 1st April 2018 and the following data available for the year ended 31st March 2019:

	Rs
Contract price	35,00,000
Work certified	20,00,000
Cash received	15,00,000
Materials issued	7,50,000
Planning and estimating cost	1,00,000
Direct wages paid	4,00,000
Material returned from site	25,000
Plant hire charges	1,75,000
Sundry Expenses	50,000
Site office costs	67,800
Head office expenses apportioned	37,500
Direct expenses incurred	90,200
Work not certified	14,900

The contractor owns a plant which originally cost Rs 2,00,000 has been continuously in use in this contract throughout the year. The residual value of the plant after 5 years of life is Rs 50,000. On 31st March 2019 the direct wages were payable Rs 27,000 and the material at site were estimated at Rs 20,000. Prepare contract account for the year 31st March 2019 and show the relevant balance sheet entries.

Name of Course : B. Com.

Semester : VI

Scheme/Mode of Examinations: CBCS

Name of the Paper : Organizational Behavior

Unique Paper Code/Subject Code : 52417611

Duration : 2 Hours

Maximum Marks : 75 Marks

Instructions for Candidates

Answers may be written in Hindi or English. But same medium should be followed throughout the paper.

Attempt any four questions in all. All questions carry equal marks.

- Q. 1** What is organizational behavior? Identify the contributing disciplines to the field of organizational behavior? List their contributions at individual, group and organizational levels.
- Q.2** Explain the perceptual process. What causes perceptual distortions? Identify some areas of relevance of perception in an organization.
- Q.3** “ Group decision- making is superior to individual decision- making” do you agree? Also Identify techniques of group decision- making.
- Q.4** “Motivation is the product of values one seeks and one’s estimation of the probability that a certain action will lead to those values” Identify the theory contained in the statement and discuss its relevance. Also identify the role of non-financial incentives in motivation.

Q.5 “Conflicts are unhealthy for the organizational existence and hence must be avoided” Do you agree? Also discuss the various modes of handling conflict. .

Q.6 Read the following case carefully and answer the question:

Before Sunita left her job at American Express she was spending almost 13 hours a day working and commuting. Also she had to be available 24/7. The last straw was caused when her son in class 6th did not perform well in the final exams.

Another employee Ritu working in Ernst and Young spends nearly 60 hours a week in addition to travelling across the globe.

The above two cases are just examples of how Indian employees are working more hours and how one group in particular stands out. The individuals in this group spends more than half of their time working and commuting, to and fro from work. The rise in these extreme jobs is because of globalization, technology and competition. It has been researched that extreme jobs are more in developing countries. For these individuals personal and social life often takes a back seat.

It has also been found that people do not necessarily take extreme jobs for money but because of challenging work which gives them a kick. After few years, the situation becomes complicated as people complain about not being able to communicate with their spouses or children or family. Many a

times the holders of extreme jobs are not even able to avail holidays and leaves. They suffer anxiety problems which may render them anxious and depressed.

Questions

- 1 Why do people take extreme jobs? Why do you think their number has risen over the years?
- 2 Do you think organizations should encourage this kind of work environment?
3. What can the employees do to handle their work-life balance?