Instructions for Candidates

1. **Attempt any four questions.**
2. **All questions carry equal marks.**
3. **Answers may be written either in English or in Hindi; but the same medium should be used throughout the paper.**

1. Business, commerce and industry are different or interlinked? Explain with suitable examples.

2. "Internal as well as external environment provides numerous opportunities and threats to the business". Do you agree? Support your answer by suitable examples.

3. "Strategy formulation helps organization in achieving goals in today's scenario". Do you agree?Give reasons for your answer.

4. Suppose you are planning to open a new business. What are all points which you will consider before considering suitable form of business organisation?

5. "Directing is important function of management". Explain different elements of directing function and how this will help in achieving the organizational goal.

6. Write short notes on:
    a. Fayol's principles of management.
    b. Business- environment interface.

Sr. No. of Question Paper: Your Roll No.......................

Unique Paper Code   :   62411108

Name of the Paper   :   Fundamentals of Business Organization

Name of the Course   :   B.A. (Prog.) CBCS

Semester   :   I

Duration   :   3 Hours

Maximum Marks   :   75 Marks

विद्यार्थियों के लिए निर्देश

- किन्हीं चार प्रश्नों के उत्तर दीजिए।
- सभी प्रश्नों के समान अंक हैं।
- आप अंग्रेजी या हिन्दी किसी भी माध्यम में उत्तर लिख सकते हैं लेकिन ध्यान रहे कि सभी उत्तरों का माध्यम एक ही होना चाहिए।

1. व्यापार, वाणिज्य और उद्योग अलग हैं या परस्पर जुड़े हुए हैं? उपयुक्त उदाहरण देकर स्पष्ट कीजिए।

2. "आंतरिक और साथ ही बाहरी वातावरण व्यवसाय के लिए कई अवसर और खतरे प्रदान करता है"। क्या आप सहमत हैं? उपयुक्त उदाहरणों सहित अपने उत्तर की पुष्टि कीजिए।

3. "रणनीति तैयार करने से संगठन को वर्तमान के परिदृश्य में लक्ष्यों को प्राप्त करने में मदद मिलती है"। क्या आप सहमत हैं? अपने उत्तर के लिए कारण दीजिए।

4. मान लीजिए आप एक नया व्यवसाय खोलने की योजना बना रहे हैं। व्यवसाय संगठन के उपयुक्त स्वरूप पर विचार करने से पहले आप किन सभी बिंदुओं पर विचार करेंगे?

5. "निर्देशन करना प्रबंधन का महत्वपूर्ण कार्य है"। निर्देशन कार्य के विभिन्न तत्वों की व्याख्या कीजिए और यह कैसे संगठनात्मक लक्ष्य को प्राप्त करने में मदद करेगा।

6. निम्नलिखित पर संक्षिप्त टिप्पणी लिखिए:

क. फेयोल के प्रबंधन के सिद्धांत।

ख. व्यापार-पर्यावरण इंटरफ़ेस।

Unique Paper Code	:	62414333_OC
Name of the Paper	:	Feasibility Study and Business Plan
Name of the Course	:	B.A. (P) -CBCS
Semester	:	III
Duration	:	3 Hours
Maximum Marks	:	100

Instructions for students

Attempt any four questions. All questions carry equal marks

1. Explain the role assigned to small scale industry by the Government of India? Discuss various steps taken by the government in this direction in the recent years?
2. What is meant by a feasibility study? What aspects are analysed under a feasibility study?
3. Discuss the role of Creativity and Innovation in searching for the opportunities and in the generation of ideas.
4. Explain franchising and network marketing? Discus various merits and demerits of network marketing.
5. What is meant by primary data? Discuss the various methods of the collecting Primary data.
6. What is meant by a business plan? Discuss the various objectives of a business plan.

Unique Paper Code	:	62414333_OC
Name of the Paper	:	Feasibility Study and Business Plan
Name of the Course	:	B.A. (P) -CBCS
Semester	:	III
Duration	:	3 Hours
Maximum Marks	:	100

Instructions for students

Attempt any four questions. All questions carry equal marks

1. Discuss the taxation and legal considerations in the preparation of a project report.
2. What is meant by Innovation and Creativity? Discuss the role of creativity and invocation in the economic development.
3. "Small business is the seedbed of entrepreneurship. "In the light of this statement, discuss the role of small business in the development of entrepreneurs. Also examine the policy of the Indian Government towards small scale industries.
4. What is a business plan? Explain its objectives.
5. Define business environment. What is the importance of economic environment? How changes in Business environment and Economic environment affect the enterprise?
6. What is meant by secondary data? Discuss various sources of secondary data.
7. What is the purpose of the business plan if the audience is (a) the entrepreneur (b) investor? Should there be a uniform business plan to serve both of them or should a different plan be adapted for each of them? Give reasons in support of your answer.

Set B

Students will attempt any FOUR questions.

All questions carry equal marks (25 marks each). Answers are to be written in

400-600 words

1. The importance assigned by society to femininity builds women's consent for unpaid domestic work. Discuss.

2. Discuss the issue of sexual harassment of women at the workplace. Include a critical overview of Indian laws related to sexual harassment at the workplace.

3. Environmental crises affect women and marginalized peoples in extremely harsh ways. Do you agree? Give a reasoned answer with suitable examples from the contemporary Indian context.

4. With the help of "Sultana's Dream", demonstrate how the author shows us that "All issues are women's issues."

5. With reference to any one text studied in class, comment on how Dalit women's autibiogrpahies show the limitations of any concept of feminism that ignores caste.

6. Masculine notions of the honour of women and their communities caused much of the violence against women during the Partition. Do you agree? Elaborate.

Students will attempt any FOUR questions.

All questions carry equal marks (25 marks each). Answers are to be written in

400-600 words

1. The importance assigned by society to femininity builds women's consent for unpaid domestic work. Discuss.

2. Discuss the issue of sexual harassment of women at the workplace. Include a critical overview of Indian laws related to sexual harassment at the workplace.

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6. Masculine notions of the honour of women and their communities caused much of the violence against women during the Partition. Do you agree? Elaborate.

Unique Paper Code   :   62414333

Name of the Paper   :   Feasibility Study and Business Plan

Name of the Course   :   B.A. (P) -CBCS

Semester   :   III

Duration   :   3 Hours

Maximum Marks   :   100

Instructions for students

Attempt any FOUR questions. All questions carry equal marks

1. Explain primary and secondary Data with suitable examples. What are the various sources of collecting secondary data?
2. What is meant by Technical feasibility? What aspects are studied under Technical feasibility? Discuss any two of them.
3. Discuss the objective of scanning the business environment. What impact the changing business environment has on the business?
4. Discuss the merits and demerits of Network Marketing.
5. What is the role of small scale industries in the economic development of a country ? what initiatives have been taken by the government of India recently in this direction?
6. Distinguish between franchising and network marketing?

Unique Paper Code	:	62414333
Name of the Paper	:	Feasibility Study and Business Plan
Name of the Course	:	B.A. (P) -CBCS
Semester	:	III
Duration	:	3 Hours
Maximum Marks	:	100

विद्यार्थियों के लिए निर्देश

किन्हीं चार प्रश्नों के उत्तर दीजिए। सभी प्रश्नों पर समान अंक हैं

1. प्राथमिक और द्वितीयक आँकड़ों के बारे में उपयुक्त उदाहरणों के साथ समझाइए। द्वितीयक आंकड़े एकत्रित करने के विभिन्न स्रोत क्या हैं?

2. तकनीकी व्यवहार्यता से क्या अभिप्राय है? तकनीकी व्यवहार्यता के तहत किन पहलुओं का अध्ययन किया जाता है? उनमें से किन्हीं दो की चर्चा कीजिए।

3. कारोबारी माहौल को स्कैन करने के उद्देश्य पर चर्चा कीजिए। बदलते कारोबारी माहौल का व्यवसाय पर क्या प्रभाव पड़ता है?

4. नेटवर्क मार्केटिंग के गुण और दोषों की चर्चा कीजिए।

5. किसी देश के आर्थिक विकास में लघु उद्योगों की क्या भूमिका है? भारत सरकार ने हाल ही में इस दिशा में क्या पहल की है?

6. फ्रेंचाइज़िंग और नेटवर्क मार्केटिंग में अंतर बताइए?

SET A

Unique Paper Code : 62293503

Name of the Paper : Field Techniques and Surveying Methods

Skill Enhancement Course (SEC) (LOCF) CBCS

Name of the Course : B.A. (Prog.)

Semester : V

Duration: 3 Hours   Maximum Marks: 75

Instructions for candidates :
1. Write your Roll No. on the top immediately on receipt of this question paper
2. Answer **any Four** questions
3. All questions carry equal marks
4. Use of stencils is allowed for drawing outline of maps.
5. Answers may be written in Hindi or English but the same medium should be followed throughout the paper.

छात्रों के लिए निर्देश

1 इस प्रश्न पत्र के मिलते ही ऊपर दिए गए निर्धारित स्थान पर अपना अनुक्रमांक लिखिए।

2 किन्ही च**ार** प्रश्नों के उत्तर लिखिए ।

3 सभी प्रश्नों के अंक समान हैं।

4 मानचित्रों की रूपरेखा बनाने के लिए स्टेंसिल के उपयोग की अनुमति है।

5 इस प्रश्न - पत्र का उत्तर अंग्रेजी या हिंदी किसी एक भाषा में दीजिए लेकिन सभी उतरों का माध्यम एक ही होना चाहिए।

1. Discuss the concept of ethics in field work.
   क्षेत्र कार्य में नैतिकता की अवधारणा पर चर्चा करें।

2. How will you define a field and identify a case study? Discuss with special reference to rural/urban studies.
   आप किसी क्षेत्र को कैसे परिभाषित करेंगे और केस स्टडी की पहचान कैसे करेंगे ?ग्रामीण/शहरी अध्ययनों
   के विशेष संदर्भ में चर्चा कीजिए।

3. merits and demerits of Non Discuss the- as a field technique Participant Observation.
   क्षेत्र तकनीकों में एक विधि के रूप में गैर-प्रतिभागी प्रेक्षण के गुण और दोषों की चर्चा कीजिए

4. Write in detail about the different kinds of questionnaires used in field work with suitable examples .
   उपयुक्त उदाहरणों के साथ क्षेत्र कार्य में प्रयुक्त विभिन्न प्रकार की प्रश्नावली के बारे में विस्तार से लिखिए।

5. field report with special reference to the aims and objectives Discuss the designining of a, methodology and analysis   .

लक्ष्य और उद्देश्य ,कार्यप्रणाली और विश्लेषण के विशेष संदर्भ में एक फील्ड रिपोर्ट की रूपरेखा तैयार करने

पर चर्चा करें।

6. .value of fieldwork in geographical studies Discuss the role and

भौगोलिक अध्ययन में फील्डवर्क की भूमिका और मूल्य पर चर्चा करें।

Unique Paper Code   : 62343502

Name of Course   : B.A. (Programme) (CBCS-LOCF)

Name of the Paper   : Open Source Software (SEC)

Semester   : V

Year of Admission   : 2019

Duration: 3 Hours   Maximum Marks: 75

Instructions for Candidates

Attempt Any *four* questions.

All Questions carry equal marks.

1. Explain the Gambas Architecture in detail. *"The program developed using Gambas is coherent, logical and reliable. Every program written with Gambas also comprises of a set of project files."* Justify your agreement or disagreement to the statements based on Gambas architecture.

2. The computer users install and use a variety of software to perform different tasks. While some of these software may be free, we have to pay for the others. Using at least three examples, explain the difference between open source, free and proprietary software. List out their advantages and disadvantages with respect to each other.

3. A BSD license allows use, copy and distribution of unmodified source. Explain, in your own words, the purpose of creating BSD licenses. If you wish to develop any software in future, would you release it under BSD license? Justify your answer.

4. Provide an overview of GNU system. Discuss some prominent Open-Source Programs with examples. Differentiate between source and object code. How are source and object codes handled in open-source and proprietary software?

5. There are various open-source licensing schemes such as BSD, MIT(X), and Apache. Perform their comparative analysis by explaining their relevant features with respect to each other.

6. Differentiate between Derivative, collective, and joint work. Explain various issues related to Copyright and Patent. What is the legal basis of trademark protection? What protection does trademark law provide?

POPULAR CULTURE

Unique Paper Code: 62313618

B.A. (Programme) – SEC Paper – Semester V

Time: 3 Hours   Maximum Marks: 75

Answers may be written either in English or Hindi; but the same medium should be used throughout the paper.

उत्तर अंग्रेजी या हिंदी में लिखे जा सकते हैं; लेकिन पूरे पेपर में एक ही माध्यम का इस्तेमाल किया जाना चाहिए।

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

कुल किन्हीं चार प्रश्नों को हल करें। सभी प्रश्नों पर समान अंक हैं।

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1. Define Popular Culture. How is it different from elite Culture?

   लोकप्रिय संस्कृति को परिभाषित करें। यह कुलीन संस्कृति से किस प्रकार भिन्न है?

2. What role has technology played in popularizing Indian Music? Explain with examples.

   भारतीय संगीत को लोकप्रिय बनाने में प्रौद्योगिकी ने क्या भूमिका निभाई है? उदाहरण सहित स्पष्ट कीजिए।

3. How are Performing art traditions helpful in contextualizing regional cultural patterns? Explain with examples.

   प्रदर्शन कला परंपराएं क्षेत्रीय सांस्कृतिक प्रतिमानों के संदर्भ में किस प्रकार सहायक हैं? उदाहरण सहित स्पष्ट कीजिए।

4. In what ways have popular festivals changed over time. Discuss with reference to any one case study.

   समय के साथ लोकप्रिय त्योहारों में किस तरह से बदलाव आया है। किसी एक केस स्टडी के संदर्भ में चर्चा कीजिए।

5. Discuss the social significance of Pilgrimage. Do you agree that they embody sacred spaces?

   तीर्थयात्रा के सामाजिक महत्व की चर्चा कीजिए। क्या आप इस बात से सहमत हैं कि वे पवित्र स्थानों को शामिल करते हैं?

6. Discuss the evolution of Food practices in India. How has globalization impacted Indian food habits?

   भारत में खाद्य पद्धतियों के विकास की विवेचना कीजिए। वैश्वीकरण ने भारतीय भोजन की आदतों को कैसे प्रभावित किया है?

Name of the Course   : **B.A.(Prog.)**

Semester   : **V**

Unique Paper Code   : **62353606**

Name of the Paper   : **SEC-3: Transportation and Network Flow Problems**

Duration: **2 Hours**   Maximum Marks: 55

Attempt any Four questions. All questions carry equal marks.

1. MG Auto has three plants in Delhi, Mumbai and Bangalore and four distribution centres at Goa, Chennai , Haryana and Kolkata. The capacities of the three plants during the next quarter are 500,600 and 250 cars respectively. The quarterly demands at the four distribution centres are 600, 400, 200 and 150 cars respectively. The transportation cost per car on the different routes is given in the table:

Distribution Center				
Factory	Goa	Chennai	Haryana	Kolkata
Delhi	3	2	7	6
Mumbai	7	5	2	3
Bangalore	2	5	4	5

    (a) Compare the starting solution (Initial basic feasible solution) obtained by the North-West   Corner Method & Least-Cost Method for the above transportation problem.

    (b) Find the starting solution (Initial basic feasible solution) using Vogel Approximation Method (VAM) and hence find the optimal solution by the method of multipliers.

2. Solve the following cost minimization assignment problem:

	Men				
Jobs	**I**	**II**	**III**	**IV**	**V**
A	2	3	5	5	6
B	4	5	7	7	8
C	7	8	8	10	9
D	3	5	3	6	5
E	4	3	5	2	1

Does this problem has more than one solution? If yes, then find any two possible solutions.

3. Solve the following travelling-salesman problem:

	To city				
From city	**I**	**II**	**III**	**IV**	**V**
I	M	5	8	4	5
II	5	M	7	4	5
III	8	7	M	8	6
IV	4	4	8	M	8
V	5	5	6	8	M

4. Use Dijkstra's algorithm to find the shortest path from source 'a' to destination 'i' from the following network:
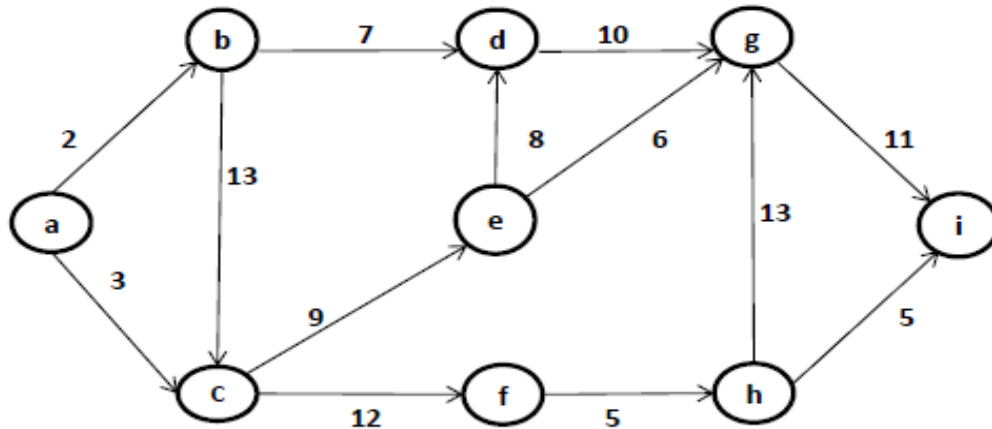
5. The Midwest TV Cable company is in the process of providing cable services to new six housing development areas. The adjoining figure depicts possible T V linkages among the six areas. The cable miles are shown on each arc. Determine the most economical cable network for the company starting at node 7. Also determine the minimal spanning tree starting at node1 for the given network when Nodes 3 and 5 are linked by 3 miles and Node 2 cannot be linked directly to node 3.
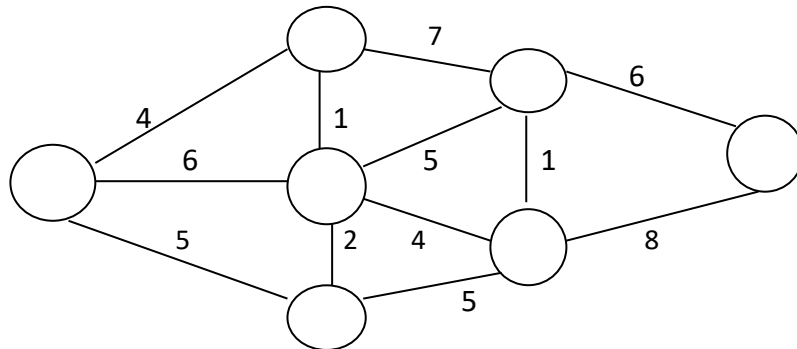
6. The activities associated with a certain project are given below:

Activity	Predecessor Activity	Duration (Weeks)
A	--	4
B	--	3
C	A, B	2
D	A, B	5
E	B	6
F	C	4
G	D	3
H	F, G	7
I	F, G	4
J	E, H	3

Develop the Associated Network for the project and find the minimum time of completion of the project. Also determine a critical path and critical activities for the project network. Find Early start time and Latest finish time of each activity.

Answer any **four** questions. All questions carry equal marks.

किन्हीं **चार** प्रश्नों के उत्तर दीजिए। सभी प्रश्नों के अंक समान हैं।

   1. Write short notes on any **two** of the following-   9.5
     (a) Bandish
     (b) Sam
     (c) Antara
     (d) Meend

     निम्नलिखित में से किन्हीं **दो** पर संक्षिप्त टिप्पणी लिखिए–

     (a)   बंदिश
     (b)   सम
     (c)   अंतरा
     (d)   मींड

   2. Write the names and swaras of ten thatas as described by
     Pt. Bhatkhande   9.5

     पं॰ भातखंडे द्वारा बताए गए दस थाटों के नाम और स्वर लिखिए।

   3. Give a life sketch of Ustad Bismillah Khan   9.5

<div align="center">Or</div>

     Write an essay on importance of Media in promotion of music.

     उस्ताद बिस्मिल्लाह खाँ का जीवन परिचय दीजिए।

     अथवा

'संगीत के विकास में संचार माध्यम का योगदान' पर निबंध लिखिए।

4. Give a description of any **one** of the following Ragas-   9.5
   (a)   Kafi
   (b)   Vrindavani Sarang

   निम्नलिखित रागों में से किसी **एक** का विवरण दीजिए–

   (a)   काफी
   (b)   वृन्दावनी सारंग

5. Make a diagram of Sitar or Tanpura and label its different parts.   9.5
   सितार अथवा तानपूरा का चित्र बनाइए और उसके विभिन्न अंगों को दर्शाइए।

6. Write the thekas of following talas along with matras, vibhags, bols, tali
   and khali :   9.5
   Ektala, Roopak
   निम्नलिखित तालों का ठेका मात्रा, विभाग, बोल, ताली व खाली समेत लिखिए :
   एकताल, रूपक

Unique Paper Code   :   62273506
Name of the Course   :   BA Prog.(CBCS)
Semester   :   Semester V
Paper   :   Data Analysis
UPC   :   62273506
Duration   :   3 hours
Maximum Marks   :   65 Marks

Instructions for Candidates

1. Write your roll No. on the top immediately on receipt of this question paper.
2. All questions carry equal marks (16.25 marks each).
3. Attempt any *four* questions.
4. Note: Answers may be written either in English or in Hindi; but the same medium should be used throughout the paper.
5. Use of simple calculator is allowed.

1. (i) The following table provides the sources of electricity used by households in a city.

Source of Electricity	(1) Percentage
Coal	39%
Hydro and Renewables	13%
Natural Gas	27%
Nuclear Pwer	19%
Other	2%

  (a) Construct a pie chart.
  (b) What percentage of power is derived from coal, nuclear power, or natural gas?
  (c) For above data, do you prefer using a pareto chart or a pie chart? Why?
                                                                              10
  (ii) "A coefficient estimate is statistically significant at the 5% significance level". Explain.   **3**

  (iii) Differentiate between the scatter plot and the time series plot.   **3.25**

1. **(i)** निम्नलिखित तालिका एक शहर में घरों द्वारा उपयोग किए जाने वाले बिजली के स्रोत प्रदान करती है।

Source of Electricity	(1) Percentage
Coal	39%
Hydro and Renewables	13%
Natural Gas	27%
Nuclear Pwer	19%
Other	2%

(अ) एक पाई चार्ट बनाएं।

(ब) कोयले, परमाणु ऊर्जा, या प्राकृतिक गैस से कितने प्रतिशत बिजली प्राप्त होती है?

(स) उपरोक्त डेटा के लिए, क्या आप पारेतो चार्ट या पाई चार्ट का उपयोग करना पसंद करते हैं? क्यों? **10**

(ii) "एक गुणांक अनुमान 5% महत्व स्तर पर सांख्यिकीय रूप से महत्वपूर्ण है"। समझाना। **3**

(iii) स्कैटर प्लॉट और टाइम सीरीज़ प्लॉट के बीच अंतर करें। **3.25**

2. (i)A survey of 1,700 shoppers were asked, "Does social media influence your purchase decisions?" The results indicated that 20.3% of females responded that their purchase decisions are influenced by social media compared to 10.5% of males. The sample sizes of males and females were not provided. Suppose that the results were as shown in the following table:

Gender			
Influenced	**Male**	**Female**	**Total**
Yes	89	173	262
No	761	677	1438
Total	850	850	1700

    (a) Construct contingency tables based on total percentages, row percentages, and column percentages.

    (b) Which gender enjoys more doing shopping? **10**

(ii) What is the difference between simple random sampling and systematic random sampling? **6.25**

2. **(i)** 1,700 दुकानदारों के एक सर्वेक्षण में पूछा गया, "क्या सोशल मीडिया आपके खरीद निर्णयों को प्रभावित करता है?" परिणामों ने संकेत दिया कि 20.3% महिलाओं ने जवाब दिया कि उनके खरीद निर्णय 10.5% पुरुषों की तुलना में सोशल मीडिया से प्रभावित हैं। पुरुषों और महिलाओं के नमूना आकार प्रदान नहीं किए गए थे। मान लीजिए कि परिणाम निम्न तालिका में दिखाए गए थे:

Gender			
Influenced	**Male**	**Female**	**Total**
Yes	89	173	262
No	761	677	1438
Total	850	850	1700

(अ) कुल प्रतिशत, पंक्ति प्रतिशत और कॉलम प्रतिशत के आधार पर आकस्मिक तालिकाओं का निर्माण करें।

(ब) किस वर्ग (महिला एवं पुरुष) को खरीदारी करने में अधिक आनंद आता है?

10

(ii) साधारण यादृच्छिक प्रतिचयन और व्यवस्थित यादृच्छिक प्रतिचयन में क्या अंतर है? **6.25**

3. (i) The following is a set of data from a sample of $n = 11$ items:

X	Y
7	21
5	15
8	24
3	9
6	18
10	30
12	36
4	12
9	27
15	45
18	54

(a) Compute the covariance.
(b) Compute the coefficient of correlation.
(c) How strong is the relationship between X and Y? Explain.

10

(ii) "Each average has its own special features and it is difficult to say which one is best". Explain and illustrate. **6.25**

3. (i) निम्नलिखित n = 11 वस्तुओं के नमूने से डेटा का एक सेट है:

X	Y
7	21
5	15
8	24
3	9
6	18
10	30
12	36
4	12
9	27
15	45
18	54

(अ) सहप्रसरण की गणना करें।

(ब) सहसंबंध के गुणांक की गणना करें।

(स) X और Y के बीच संबंध कितना मजबूत है? समझाइये । **10**

(ii) "प्रत्येक औसत की अपनी विशेष विशेषताएं होती हैं और यह कहना मुश्किल है कि कौन सा सबसे अच्छा है"। उदाहरण सहित समझाइये । **6.25**

4. (i) The following table provides the data about the cost of electricity during July 2015 for a random sample of 50 one-bedroom apartments.

96	171	202	178	147	102	153	197	127
82	157	185	90	116	172	111	148	213
130	165	141	149	206	175	123	128	144
168	109	167	95	163	150	154	130	143
187	166	139	149	108	119	183	151	114
135	191	137	129	158				

(a) Construct a frequency distribution and a percentage distribution that have class intervals with the upper class boundaries 99, 119, and so on.
(b) Construct a cumulative percentage distribution. **10**

(ii) Explain the problems of using a t-test as a hypothesis testing approach.

6.25

4. (i) निम्न तालिका जुलाई 2015 के दौरान 50 एक-बेडरूम अपार्टमेंट के यादृच्छिक नमूने के लिए बिजली की लागत के बारे में डेटा प्रदान करती है।

96	171	202	178	147	102	153	197	127
82	157	185	90	116	172	111	148	213
130	165	141	149	206	175	123	128	144
168	109	167	95	163	150	154	130	143
187	166	139	149	108	119	183	151	114
135	191	137	129	158				

(अ) एक आवृत्ति वितरण और एक प्रतिशत वितरण का निर्माण करें जिसमें उच्च वर्ग की सीमाओं के साथ वर्ग अंतराल **99, 119,** और इसी तरह है।
(ब) संचयी प्रतिशत वितरण का निर्माण करें।

10

(ii) परीक्षण परिकल्पना के **t** परीक्षण दृष्टिकोण समस्या की व्याख्या करें। **6.25**

5. (i) The following set of data is from a sample of n = 7:

12	7	4	9	0	7	3

(a) Compute the mean, median, and mode using either R/Excel .
(b) Compute the range, variance, standard deviation, and coefficient of variation using either Excel/R.
(c) Compute the Z scores. Are there any outliers?
(d) Describe the shape of the data set. **10**

(ii) How would you interpret the sign and magnitude of a calculated 'r'? Consider in particular the values r=0, r= -1 and r=+1.   **6.25**

5. (i) डेटा का निम्नलिखित सेट n = 7 के नमूने से है:

12	7	4	9	0	7	3

(अ) R / Excel का उपयोग करके माध्य, माध्यिका और बहुलक की गणना करें।

(ब) R / Excel का उपयोग करके सीमा, भिन्नता, मानक विचलन, और भिन्नता के गुणांक की गणना करें।

(स) Z स्कोर की गणना करें। क्या कोई आउटलेयर हैं?

(ड) डेटा सेट के आकार का वर्णन करें।   **10**

(ii) आप परिकलित 'r' के चिह्न और परिमाण की व्याख्या कैसे करेंगे? विशेष रूप से मानों r=0, r=-1 और r=+1 पर विचार करें।   **6.25**

6. Write short notes on any two of the following:
   (a) Boxplot
   (b) Central Limit Theorem
   (c) Primary and secondary data   **16.25**

6. निम्नलिखित में से किन्हीं दो पर संक्षिप्त टिप्पणी लिखिए:

   (ए) बॉक्सप्लॉट

   (बी) केंद्रीय सीमा प्रमेय

   (सी) प्राथमिक और माध्यमिक डेटा   **16.25**

SET A

Unique Paper Code: 62415501_OC

Name of the Paper: Modern Business Organisation (OC)

Name of the Course: BA(P) CBCS Generic Elective (GE)

Semester: V

Duration: 3 Hours

Maximum Marks: 75

Instructions for Candidates

1. Attempt any four questions.

2. All questions carry equal marks.

3. Answers may be written either in English or in Hindi; but the same medium should be used throughout the paper

Q1. Explain the Impact of Globalization on the business organization and consumers. Globalization has helped India in various aspects including economic growth'. Explain How did the Industrial Revolution affect globalization?
Q2. "The digital revolution is not about technology – it's about people". Comment. Write an explanatory note on important E-Business Trends for the 21st Century.
Q3. New retail formats and combinations are emerging and have opened a new world of opportunities for Indian youth. Explain the recent trends of wholesaling and retailing trade in India.
Q4. "PSEs hold commanding heights in the economy but financial performance of these enterprises is far from satisfactory". Comment on this statement and explain the Importance, Performance and Problems of PSEs in India.
Q5 What is Social Responsibility of business? Explain the nature and the advantages of Social Responsibility and how are they applicable in today's business?
Q6 What are the Key points of difference between a private limited and a public limited company. The Government of India, in its bid to improve ease of doing business has granted many exemptions and privileges for private limited companies under the Companies Act of 2013.Explain.