



INSTITUTE OF BUSINESS AND MANAGEMENT SCIENCES
THE UNIVERSITY OF AGRICULTURE PESHAWAR

FINAL TERM EXAMINATION
BS (CS) 2nd Semester Fall 2023
Subject: Pakistan Studies

Time: 1 Hour

Total Marks: 60

Name: _____ Roll No. _____ Section: _____

Note: Attempt any four Questions

- Q1. Explain Quaid's 14 points that how it establish a roadmap for All India Muslim League?
- Q2. 1935 Act was the first constitutional development in Sub-continent. How elaborate?
- Q3. Lahore Resolution 1940 was the first step towards Pakistan Movement. Discuss
- Q4. 3rd June plan 1947 was the plan according to which the long standing unity of Hindu, Muslims was parted explains.
- Q5. Why 1962 constitution of Pakistan was called as presidential form of constitution?
- Q6. What do you think how to overcome the current political instability of Pakistan?

سوال نمبر 1. قائد کے چودہ نکات نے کس طرح آل انڈیا مسلم لیگ کیلئے راہ ہموار کی بیان کریں؟

سوال نمبر 2. برصغیر کی تاریخ میں 1935 ایکٹ آئینی اصلاحات کی طرف پہلا قدم تھا بیان کریں۔

سوال نمبر 3. قرار داد لاہور 1940 تحریک پاکستان کی طرف پہلا قدم تھا کیسے؟

سوال نمبر 4. جون 3 1947 کا منصوبہ مسلمانوں اور ہندوں کو جدا کرنے کا آخری ہتھیار تھا بیان کریں۔

سوال نمبر 5. 1962 کا آئین پاکستان کی تاریخ میں صدارتی آئین کے نام سے یاد کیا جاتا ہے واضح کریں۔

سوال نمبر 6. آپ کے خیال میں پاکستان کے آج کل کے سیاسی حالات کو کس طرح قابو کیا جاسکتا ہے؟

The University of Agriculture, Peshawar

Paper: E-Commerce
Total marks: 70

Class: BS(CS) 2nd Semester
Max time: 60 minutes

Exam: Final Term

Name: _____ Roll no# _____ Section: _____

Q.1. Fill in the blanks.

(5×2=10)

1. HTML tags are surrounded by the two characters called _____ brackets.
2. <SUP> element is written as _____.
3. Cell _____ defines the width of the border.
4. _____ is used to collect user input.
5. HTML _____ are used to divide your browser window into multiple sections.

Q.2. Attempt any 3 Questions from the Following. Each Question Carry Equal Marks. (20×3=60)

1. Discuss superscript and subscript text with example and their output.
2. Write down the names of Data types that are used in modern JavaScript? Explain any 3 data types separately with Complete JavaScript code for each data type.
3. Draw the Output of the following table.

```
<!DOCTYPE html>
<html>
<head><title>HTML Table with rowspan and colspan</title></head>
<body>
<table border="1">
<tr>
<th rowspan="2">Sections</th>
<th colspan="2">Classes</th>
</tr>
<tr>
<th>9th & 10th</th>
<th>11th & 12th</th>
</tr>
<tr>
<td>Red</td>
<td>222</td>
<td>333</td>
</tr>
<tr>
<td rowspan="2">Green</td>
<td>111</td>
<td>000</td>
</tr>
<tr>
<td>444</td>
<td>555</td>
</tr>
</table>
</body>
</html>
```



INSTITUTE OF BUSINESS AND MANAGEMENT SCIENCES
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FINAL TERM EXAMINATION
BS (CS) 2nd Semester Fall 2023
Subject: Probability & Statistics

Time: 1 Hour

Total Marks: 70

Name: _____ Roll No. _____ Section: _____

Q.1 Fill in the blanks.

- I. The coins tossed Six times what is the sample space $S=$
- II. The permutation of the words Triangle is
- III. The dice thrown three times what is the sample space $S=$
- IV. For mutually Exclusive events $A \cap B =$
- V. The probability of Impossible Events is equal to

Note: Attempt any four questions. All questions carry equal marks

Q.2 The marks obtained by 9 students are given 45,32,37,46,39,39,41,48,36 find the Range and the Coefficient of dispersion.

Q.3 A population of $N=7$, has the observations 7,8,10,13,14,19,20. Find the absolute mean deviation.

Q.4. A fair of coin is tossed three times. What is Probability of

- I. At least one head Appears
- II. Exactly two tail appears

Q.5 . An integer is chosen at random from the first the 200 positive integers. What is the probability that the integer chosen is divisible by 6 or by 8.

Q.6. Two Coins are tossed. What is the conditional probability $P(A/B)$, that two head result, given that there is at least one head .

Q. 7 A pair of dice are thrown. Find the probability of getting a total of either 5 or 11.

.....Good luck.....

The University of Agriculture, Peshawar

BS (CS) 4TH Semester Spring Examinations, 2023

Linear Algebra

Name: _____ C. No. _____ Session: _____ Reg. No. _____

Sign of Candidate: _____ Sign of Hall Supdt. _____

Time Allowed: 1 Hour

Total Marks: 70

READ THE INSTRUCTIONS CAREFULLY

1. Fill in your particulars in block letters neatly in the stipulated space.
2. Use black or blue ballpoint/pen. Do not use pencil or red ink pen.
3. No credit will be awarded in case of overwriting.
4. If needed use back side of the page.
5. Changing seat during examination and leaving the hall before the stipulated time are not allowed.
6. Talking, whispering, looking side-ways, use of mobile phones etc during the examination are not allowed.
7. Any proof of cheating will disqualify the candidate from the examination.

Q.No.	1	2	3	4	Total Marks Obtained
Marks Obtained					

Signature of Examiner: _____

Note: Attempt all Questions.

Q1. Show the subset $W = \left\{ \begin{bmatrix} x \\ 0 \end{bmatrix} : x \in R \right\}$ of R^2 is a subspace, by using the condition $\alpha u_1 + \beta u_2 \in W$
For all scalars α, β and $u_1, u_2 \in W$.

OR

Find the angle between two vectors $A = 2i + 2j - k$ and $B = 6i - 3j = 2k$

Q2. Is the $W = \left\{ \begin{bmatrix} x \\ y \\ z \end{bmatrix} : x, y, z \in R, z < 0 \right\}$ closed under the operation, defined as: $c \times \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} cx \\ cy \\ cz \end{bmatrix}$, where c is scalar.

OR

If $a = 3i + 2k, b = i + 2j + k, c = -j + 4k$, then find the scalar triple product.

Q3. Let $X = \begin{bmatrix} 1 \\ -1 \\ 6 \end{bmatrix}, Z = \begin{bmatrix} r \\ -1 \\ s \end{bmatrix}$ and $Y = \begin{bmatrix} r \\ t-1 \\ -s+3 \end{bmatrix}$. If $2Z = \frac{1}{2}X + (-3)Y$. Then find the values of r, s , and t .

OR

Do the points $(4, -2, 1), (5, 1, 6), (2, 2, -5)$ and $(3, 5, 0)$ lies in the plan.

Q4. If $\det(A) = 0$, find the value of μ . Where, $A = \begin{bmatrix} \mu & 7 & 1 \\ 0 & \mu - 1 & -1 \\ 0 & 0 & \mu + 2 \end{bmatrix}$.

OR

Find the Eigen values of $A = \begin{bmatrix} 3 & 0 \\ 8 & -1 \end{bmatrix}$