

UNDERGRADUATE INTERMEDIATE EXAMINATION,2020
KISHORE BHARATI BHAGINI NIVEDITA COLLEGE (CO-ED) (542)

B.COM SEMESTER-V (HONOURS/GENERAL/MAJOR)
EXAMINATION, 2020

ADVANCED BUSINESS MATHEMATICS

(DSE5.1AH-M2)

FULL MARKS-20

TIME-1 HOUR

Answer any two questions:

1. Show that $f(x) = 3x^2 - x + 2$ is continuous at $x = 1$.
2. Find $A + A'$ where $A = \begin{bmatrix} 2 & 5 \\ 7 & 8 \end{bmatrix}$ & Prove $A + A'$ is symmetric.
3. If $y = f(x) = a$; find dy/dx .
4. Find the first, second and third derivatives when $y = x.e^{x^2}$

***USE SEPARATE ANSWER SHEET FOR MICROECONOMICS-I AND STATISTICS.**

Exam Dt. - 10/12/2020

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B.COM SEMESTER-V (HONOURS/GENERAL/MAJOR) EXAMINATION, 2020

MACROECONOMICS

(DSE 5.1 AH-M1)

FULL MARKS - 20

TIME - 1 hr.

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[Send the scanned Pdf copy]

যে কোন দুটি প্রশ্নের উত্তর দাও। [10x2=20]

১. অর্থের অর্থ দাও। অর্থনীতিতে অর্থ যোগানের বিভিন্ন পদ্ধতি ব্যাখ্যা কর।
২. মুদ্রাস্ফীতির অর্থ দাও। মুদ্রাস্ফীতির কারণগুলি ব্যাখ্যা কর।
৩. আয়স্বত্ব পদ্ধতিতে জাতীয় আয় নির্ধারণ কর।

| | ₹ (crore) |
|---|-------------|
| Wages & Salaries | 800 |
| Operating Surplus | 200 |
| Contribution of employees towards social security | 100 |
| Net Factor Income earned abroad | (-)50 |
| Net Domestic Capital Formation | 250 |
| Net Indirect Tax | 100 |

[English Version]

Answer any two. [10 x 2 = 20]

1. Define money. How money supply is measured in an economy?
2. Define inflation. What are the causes of inflation?
3. Estimate National Income using Income Method. (Values are given in previous page)