University of Sargodha

B.A/B. Sc. 1st Annual Exam 2017.

Subject: B Course of Math Paper: B

Maximum Marks: 100

Time Allowed: 3 Hours

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(9)

Note: Attempt any two questions from each section.

Section-1

Q.1. (a) Solve D.E.
$$(e^x + 1)ydy = (y + 1)e^x dx$$
 (b) Solve the initial value problem $\frac{dy}{dx} = \frac{2x}{yx^2y}$ $y(0) = -2$ (c) (c) Solve D.E. $dx + (\frac{y}{y} - \sin y) dy = 0$ (c) (c) Solve D.E. $(x + 2y^3) \frac{dx}{dx} = y$ (c) (c) Solve D.E. $(x + 2y^3) \frac{dx}{dx} = y$ (c) (c) Solve $P^2 + P - 6 = 0$ (c) (c) Solve $P^2 + P - 6 = 0$ (c) (c) Solve $P^2 + P - 6 = 0$ (c) (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^3$ where $D = \frac{d}{dx}$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) Solve $(x^2D^2 - 2xD + 2)y = x^2$ (c) $(x^2D^2 - 2xD$

$$A = \begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix}$$