

### सूचना

ज्ञापांक संख्या:-D.E/196/22

दिनांक-18.02.2022

दूर शिक्षा निदेशालय के सभी विषयों के छात्र छात्राओं को सूचित किया जाता है कि वर्ष 2022 में तथा उसके बाद होने वाली सभी परीक्षाओं के समय जिस पेपर की परीक्षा देने आप परीक्षा केन्द्र पर जायें साथ में **Internal Assignment** को **A4 Size** के लिफाफे में सील कर ले जायें। परीक्षा के बाद उत्तर पुस्तिका के साथ **Sealed Envelope** को नत्थी (Tag) कर दें। **Envelope** पर परीक्षा का स्पष्ट ब्योरा दें (जैसे परीक्षा क्रमांक, विषय, पेपर आदि) अगर परीक्षाकेन्द्र पर उत्तर पुस्तिका के साथ **Sealed envelope** में **assignment** नत्थी(tag)नहीं करते है तो आपको **Assignment** में अनुपस्थित माना जायगा।

*Sham*  
18.02.2022

निर्देशक

दूर शिक्षा निदेशालय  
पटना विश्वविद्यालय, पटना

BCA Part-II (2022)  
Subsidiary Paper - English  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Write a critical appreciation of The Necklace by Maupassant?
2. Discuss Principles of Good Writing by Hill?
3. Portray the character of Ralph or Piggy.

BCA Part-II (2022)  
Subsidiary Paper - Economics  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Explain the main features of New Industrial Policy of 1991?
2. Discuss the problems of small – scale industry in India?
- 0 3. Mention the main features of Green Revolution in India.

BCA Part-II (2022)  
Subsidiary Paper - Maths  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Evaluate from the first principle  
$$\int_a^b \sin x \, dx$$
2. Solve any two of the following differential equations:
  - i.  $(x+y+1) \, dy/dx = 1$
  - ii.  $dy/dx + 2y/x = y^3/x^3$
  - iii.  $dy/dx + x \sin 2y = x^3 \cos^2 y.$

- 96000 3. Prove that the intersection of two convex sets is also a convex set.

BCA Part-II (2022)  
Honours PAPER - VII  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Explain different types of operating system?
2. Explain different types of CPU scheduling in detail?
3. What is deadlock? What are the four necessary conditions to occur deadlock? Explain.

BCA Part-II (2022)  
Honours PAPER - VIII  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. What are the different types of inheritance available in C++? Explain.
2. Demonstrate constructor and destructor with the help of example.
3. Demonstrate operator overloading in C++?

BCA Part-II (2022)  
PAPER - DBMS  
Honours PAPER - V  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Define normalisation? Explain the different normal forms?
2. What are the advantages and disadvantages of DBMS. Explain?
3. Define the following FoxPro commands with the help of example.
  - a. Locate
  - b. Browse
  - c. List
  - d. Zap
  - e. Pack

BCA Part-II (2022)  
Honours PAPER - VI  
Home Assignment  
Full Marks-20  
Answer any Two Questions

1. Explain the following controls in VB?
  - a. Combo box
  - b. Command button
  - c. Text box
2. Explain the SDLC in detail?
3. Write a program in VB to make simple calculator?