UG/CBCS/B.A./Hons./1st Sem./Philosophy/PHICC2/2023



UNIVERSITY OF NORTH BENGAL

B.A. Honours 1st Semester Examination, 2023

	CC2-PHILOSOPHY	(A)
Time .	e Allotted: 2 Hours	Full Marks: 60
	The figures in the margin indicate full marks.	.101
	SECTION-I	
1.	Answer any four of the following questions:	3×4 = 12
	(a) Transform the following sentences into proposition.	1+1+1
	(i) He must be hedonist	
	(ii) Players are seldom get failed.	
	(iii) Only students are happy.	
(b	(b) If I proposition is true then state the truth value of A, E propositions.	and O 1+1+1
(0	(c) What is the definition of contraposition? Explain with an example the following proposition — All men are happy.	e. Contrapose 2+1
(d	(d) Make a difference between mediate and immediate inference.	3
(6	(e) Write a short note on inductive-leap.	3
, (i	(f) Explain which terms are distributed in categorical proposition. SECTION-II	3
2.	Answer any four of the following questions:	6×4 = 24
(2	(a) Use truth table to determine the following statement forms as tau contradictory and contingent.	tologous, self 3+3
	(i) $[p \supset (q \supset r)] \supset [(p \supset q) \supset (p \supset r)]$	1 /
	(ii) $p = [p \cdot (q \lor \sim q)]$	
(l	(b) Prove the validity of the following arguments by applying the Reductio-ad-Absurdum.	ne method of 3+3
	(i) $(A \lor B) \supset (A \cdot B)$	
	$\sim (A \vee B) / \therefore \sim (A \cdot B)$	
	(ii) A⊃B	

 $A \vee B / \therefore B$

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(c) Determine the validity and invalidity of the following arguments with the help of 2+2+2 Venn diagram: (i) AAI - 3rd figure (ii) EAE — 2nd figure (iii) He must be hedonist because he seeks pleasure. (d) What do you mean by conversion? What are the rules of conversion? Explain 2+2+2with example. What is meant by the limitation of conversion? (e) What is existential import of propositions? Do all standard forms of categorical propositions have existential import? Explain with examples. 3 + 3(f) What is the fallacy of illicit major and illicit minor? Answer with examples SECTION-III $12 \times 2 = 24$ Answer any two of the following questions: 3. 4+4+4 (a) Construct the formal proof of validity of the following: $(E \vee F) \supset (G \cdot H)$ $(G \vee H) \supset I$ $\mathbf{E} / : \mathbf{I}$ (ii) T⊃U $T\supset V/:.T\supset (U\cdot V)$ (iii) If the first disjunct of a disjunction is true, the disjunction as a whole is true. Therefore, if both the first and second disjuncts of the disjunction are true, then the disjunction as a whole is true. (F, W, S) (b) Use truth table to determine the validity or invalidity of the following argument 4+4+4 forms: (i) $(p \supset q) \supset (p \cdot q)$ $\sim (p \cdot q) / \therefore (p \vee q)$ (ii) $\sim (p \vee q) \supset (p \equiv \sim q)$ $\sim (p \equiv \sim q) / \therefore (p \vee q)$ (iii) $(p \supset q) \cdot (r \supset s)$ pvr /:.qvs (c) Determine the validity or invalidity of the following syllogistic arguments or 4+4+4 argument forms with the help of syllogistic rules: (i) EIO — 4th figure (ii) No musicians are astronauts, all musicians are baseball fans; So no astronauts are baseball fans.

workers serve their own country.

(d) What is induction? Explain induction by simple enumeration.

6+6

(iii) Some soldiers serve their own country. Soldiers are hard workers. So hard