2022

1st Semester Examination

PHILOSOPHY

Paper : PHI 101

(Indian Logic)

Full Marks : 40 Time : Two Hours

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

Answer any ***four*** questions : 5×4=20

1. (a) State and explain the *lakṣaṇa* of *karaṇa* following the *Prācina* Nyāya.

   (b) Define *vyāpāra* following the Navya Nyāya. 3+2

2. (a) What difficulty arises if two types of *parāmarśa* give rise to one type of *anumiti* ?

   (b) State the solution of the above problem following the *Prācina* Nyāya. 3+2

3. State and explain the *siddhānta lakṣaṇa* of *vyāpti* following *Bhāṣāpariccheda* with a suitable example. 5

P.T.O.

4. What is meant by *pramāṇa vyavasthā*? What is *svārthānumāna*?

   Answer following *Nyāyabindu.* 2+3

5. Write a short note on *tarka* as a *vyāptigrahopāya.* 5

6. (a) What is meant by *liṅga*? Answer after *Nyāyabindu.*

   (b) Explain any one of the characteristics of *liṅga* with a suitable example after *Nyāyabindu.* 2+3

Answer any ***two*** questions : 10×2=20

7. Discuss the controversy between the Nyāya and the Mīmāmsā in regard to the role of *parāmarśa* as the instrumental cause of *anumiti* following *Bhāṣāpariccheda.*

8. State and explain the initial formulation of the first definition of *vyāpti* and show the application of it in a *saddhetuk* and an *asaddhetuk anumiti.*

9. Show after the Siddhānta Muktāvalī, the application of the first definition of *vyāpti* in the following case "*idaṁ dravyaṁ guṇakarmānyatva viśiṣṭasattvāt*".

10. (a) State the concept of *uttejaka* with an example.

    (b) Write a short note on *Pakṣatā* following Viśvanātha. 2+8

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PHILOSOPHY

Paper : PHI 102

(Western Logic)

Full Marks : 40 Time : Two Hours

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Group - A

Answer any ***four*** out of the following questions : 5×4=20

1. State the rules for conjunction and rules for disjunction (with suitable examples) after the method of Resolution. 5

2. Suppose A is True, B is False, X is False, Y is false, P and Q are unknown. Determine the truth value of the following sentences. 2½+2½

   (a) (P • ~ P. A) (P v Q v B)

   (b) $[(A \bullet X) \supset Q] \equiv [A \supset (X \supset Q)]$

P.T.O.

3. (a) State the rules of inference of any two truth-functional connectives after Jeffrey's Truth Tree.

   (b) Determine the validity of the following statement using Truth Tree.

   $A \leftrightarrow B, A \vee B / \therefore A \,\&\, B$ 2+3

4. Write down two definite conventions governing the expressions '$\Phi\mu$' and '$\Phi\nu$'. 2½+2½

5. Explain the final version of UG 5

6. Identify and explain the mistakes in the following erroneous proof.

   1. $(\exists x)(y)[Fx.Gx) \supset Hy] / \therefore (\exists x)[(Fx.Gx) \supset Hx]$
   2. $(y)[(Fz.Gz) \supset Hy]$
   3. $(Fz.Gz) \supset Hy - 2, UI$
   4. $(\exists x)[(Fx.Gz) \supset Hy] - 3, EG$
   5. $(y)(\exists x)[(Fx.Gy) \supset Hy] - 4, UG$
   6. $(y)(\exists x)[(Fx.Gy) \supset Hy] - 1,2 - 5, EI$
   7. $(\exists x)[(Fx.Gy) \supset Hy] - 6, UI$ 2½+2½

Group - B

Answer any ***two*** out of the following questions : 10×2=20

7. State and explain the *Reductio Ad Absurdum* Method in your own words. 10