

Total Pages—3

AH PHI (03)

2018

(2nd Semester)

Time : 3 hours

Full Marks : 80

Answer from both the Sections as per direction

The figures in the right-hand margin indicate marks

*Candidates are required to answer in their own words
as far as practicable*

(SYSTEMS OF INDIAN PHILOSOPHY-I)

SECTION – A

1. Answer the following : 2 × 8
- (a) Write a note on Rta.
 - (b) Distinguish between Astika and Nastika systems of Indian Philosophy.
 - (c) Name the four elements out of which the world is made according to Carvaka.

(Turn Over)

(2)

- (d) What is the meaning of the term liberation according to Jainism ?
- (e) Write four noble truths of Buddha.
- (f) Write a short note on Buddhist approach to soul.
- (g) Write different meanings of the word Samkhya.
- (h) Write two important works of Samkhya Philosophy.

SECTION - B

Answer all questions : 16 x 4

2. (a) State and explain Upanisadic view of Brahman.
- Or
- (b) Critically explain the law of Karma.
3. (a) What is the value of inference according to Carvaka ?

AH PHI (03)

(Continued)

(3)

Or

- (b) State and explain the Anekantavada of Jainism.
4. (a) Write a note on Buddha's theory of eight fold path.
- Or
- (b) Discuss the doctrine of dependent origination as propounded by Buddha.
5. (a) Analyse the nature of Samkhya concept of Prakriti.

Or

- (b) Give an account of Samkhya theory of evolution.

AH PHI (03)

BA-400

Total Pages—4

AH PHI (04)

2018

(2nd Semester)

Time : 3 hours

Full Marks : 80

Answer from both the Sections as per direction

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(SYMBOLIC LOGIC)

SECTION—A

1. Answer the following questions : 2 × 8
- (a) What is ideogram ?
 - (b) Give the symbol for disjunction.
 - (c) What is truth function ?
 - (d) Write a note on Stroke function.
 - (e) What is tautology ?

(Turn Over)

(2)

- (f) Write a note on proper name.
- (g) State the reference formula which is known as law of identity.
- (h) Write a note on universe of discourse.

SECTION-B

Answer all questions : 16 x 4

- 2. (a) Distinguish between :
 - (i) Symbolic logic and classical logic
 - (ii) Inference and Implication.

Or

- (b) Construct truth table for the following function :
 - (i) Alternative function
 - (ii) Conjunctive function.

(3)

- 3. (a) Reduce the following formulae to CNF :

(i) $(p \cdot q) \supset (p \vee q)$

(ii) $(p \cdot q) \supset p$

Or

- (b) Test the validity of the following argument by the method of derivation by substitution :

(i) $(P \supset S) \supset (B \cdot \sim D)$

D
 $\therefore P$

(ii) $A \supset \sim (B \cdot C)$

$D \supset B$

$(B \supset C) \cdot C$

$\therefore \sim A$

- 4. (a) What is meant by quantifier ? Explain the distinction between universal quantifier and particular quantifier.

(4)

Or

(b) Symbolise the following by using quantifier :

(i) Men are not honest

(ii) Only beggars have no choice

(iii) A soldier never sleeps on duty

(iv) Cows exist.

5. (a) Put the following Boolean expression into normal form :

(i) $(AB + A'C)Y + B$

(ii) $AB + A'C + C'$

Or

(b) Prove the validity of DATISI by the use of the method of Boolean expression.

FBA-IIS PHIL (CORE-3)

2017

SYSTEMS OF INDIAN PHILOSOPHY-I

Time : 3 Hours]

[Full Marks : 80

Answer from **both** the Sections as directed. The figures in the right-hand margin indicate marks.

SECTION-A

1. Answer the following questions: 2×8

- (a) Write a note on Purusartha.
- (b) Distinguish between Para and Apra Brahman.
- (c) Write a note on the meaning of the word 'Carvaka'.
- (d) Name seven forms of judgement according to Jainism.
- (e) Name the three canonical works of Buddha.
- (f) Briefly state the nature of Nirvana according to Buddha.

BAM_14(3)

(Turn Over)

(2)

- (g) Name the Gunas of Prakriti.
(h) Who is the founder of Samkhya Philosophy?

SECTION-B

Answer all questions:

16×4

2. (a) Briefly explain the basic features of Indian Philosophy.

OR

- (b) State and explain Upanisadic view of Atman.

3. (a) How do the Carvakas deny the existence of self?

OR

- (b) Critically examine the doctrine of Syadvada.

4. (a) State and explain the four noble truths as propounded by Buddha.

OR

- (b) Explain and examine the Buddhist doctrine of momentariness.

(3)

5. (a) Bring out the nature of Purusa according to Samkhya.

OR

- (b) Explain Samkhya doctrine of causation.

FBA-IIS PHIL (CORE-4)

2017

SYMBOLIC LOGIC

Time : 3 Hours]

[Full Marks : 80

Answer from **both** the Sections as directed. The figures in the right-hand margin indicate marks.

SECTION-A

1. Answer the following questions: 2×8

- (a) Write a note on logical form.
- (b) Give the symbol for negation.
- (c) What is a Truth table?
- (d) Write a note on Stroke function.
- (e) What is Tautology?
- (f) What do you mean by singular proposition?
- (g) State the reference formula which is known as law of non-contradiction.
- (h) What is a null class?

SECTION-B

16x4

Answer all questions:

- 2. (a) What is Symbolic Logic? Discuss its characteristics.

OR

- (b) Construct truth table for the following functions:

- (i) Implication
- (ii) Equivalence

- 3. (a) Reduce the following formula to CNF:

- (i) $(p \cdot q) \supset (p \vee q)$
- (ii) $((p \supset q) \cdot \sim q) \supset \sim p$

OR

- (b) State the validity of the following arguments by the method of derivation by substitution:

- (i) $A \supset B$
- $C \supset \sim B$
- $A \supset \sim C$
- $\therefore B$
- (ii) $(K \vee A) \supset \sim R$
- $R \vee A$
- $(A \vee \sim K) \supset S$
- K
- $\therefore S \vee \sim A$

- 4. (a) What is Variable? Distinguish between—
 - (i) Bound and free variables;
 - (ii) Individual constant and individual variable.

OR

- (b) Symbolise the following by using quantifier:

- (i) All snakes are not poisonous
- (ii) Bachelors are happy
- (iii) No saints are materialistics
- (iv) Tigers never eat grass

- 5. (a) Put the following Boolean expression into normal form:

- (i) $(AB + BC)' + B'C$
- (ii) $(A + D)'(B + C)' + AD$

OR

- (b) Prove the validity of FESTINO by using the method of Boolean expression.

2017

LOGIC AND SCIENTIFIC METHOD

Time : 3 Hours]

[Full Marks : 80

Answer from **both** the Sections as directed. The figures in the right-hand margin indicate marks.

SECTION-A

1. Answer the following questions: 2×8

- (a) What is unsound argument? Explain with example.
- (b) What do you mean by deductive argument?
- (c) Explain the Law of Identity.
- (d) State any two characteristics of induction.
- (e) How many kinds of formal grounds of induction are there? Write their names with definition.
- (f) State Mill's canon of the method of difference.
- (g) What is crucial instance? When is it called experimentum crucis?

(h) How many kinds of hypothesis are there according to Carveth Read?

5. (a) Define Hypothesis. Explain its nature.

OR

(b) State and explain the conditions of a legitimate hypothesis.

SECTION-B

Answer all questions: 16x4

2. (a) Distinguish between truth and validity. With which of these two logic is concerned? Explain.

OR

(b) Explain the theories on the nature of probability.

3. (a) What is the problem of induction? How is it solved?

OR

(b) State and explain the different steps in inductive procedure.

4. (a) Explain the qualitative aspect of cause.

OR

(b) What is the law of conservation of energy? How is it connected with quantitative aspect of cause?