



1.	 Arrange the following in the correct chronological order: 1. Silent Valley Movement 2. Chipko Movement 3. Narmada BachaoAndolan 4. Tehri Dam Conflict 	
	A) 2, 1, 3, 4 B) 2, 3, 1, 4 C) 2, 1, 4, 3 D) 1, 2, 3, 4	
2.	 In euthanasia, the mercy killing is done without the consent of the patier as he is incapable of giving consent. A) Involuntary B) Non-voluntary C) Passive D) Voluntary 	nt
3.	 Book of Rachael Carson which has documented the impacts of widespread us of chemical pesticides on wildlife, birds, animals, and humans: A) Ecological Crisis B) A Sand County Almanac C) Ring of Bright Water D) Silent Spring 	se
4.	The term "deep ecology" was coined by: A) Arne Naess B) Schweitzer C) Leopold D) Warwick	Fox
5.	Author of Le feminismeou la mort:A)Francoise EubonneB)Simone de BeauvoirC)Mary MellorD)Maria Mies	
6.	The term aesthetics was introduced by:A)KantB)A.G. BaumgartenC)Edmund brukeD)Aristotle	
7	Author of Sribhashya:A)SankaraB)RamanujaC)MadvacharyaD)Sridhara	
8.	The corresponding Rasa of Utsaha is: A) Adbuta B) Hasya C) Bibatsa D) Veera	
9.	The term used in philosophy and literary criticism to describe the process of imitation through which the artist portrays and interprets the world: A) Catharsis B) Diegesis C) Mimesis D) Narration	
10.	 Which one of the following represents those crossing emotions that a ancillary to a mood? A) Stāyibhāvas B) Vibhāvas C) Sancharibhavas D) Bhavanas 	re

11.	Who declared "All determination is negation"?A) DescartesB) PlatoC) SpinozaD) Aristotle
12.	Match the following:a. Aufheben1. Berkeleyb. Cogito ergo sum2. Spinozac. Amor intellectualis Die3. Descartesd. Esseestpercipii4. Hegel
	A)a-4, b-3, c-2, d-1B)a-1, b-2, c-4, d-3C)a-2, b-1, c-3, d-4D)a-3, b-4, c-1, d-2
13.	Identify the wrong pair:A)Hume–An Enquiry Concerning the Principles of MoralsB)Leibniz–AlciphronC)Berkeley–An Essay Towards a New Theory of VisionD)Spinoza–
14.	The phenomenological method in which the philosopher moves from the consciousness of individual and concrete objects to the transempirical level of pure essences is called reduction.A)PhenomenologicalB)B)PsychologicalC)TranscendentalD)Eidetic
15.	Which one of the following is not included in the stages of existence in Kierkegaard's philosophy?A) Ethical B) Aesthetic C) Emotive D) Religious
16.	"Man is condemned to be free; because once thrown into the world, he is responsible for everything he does." Whose statement is this?A) Kierkegaard B) Heidegger C) Jaspers D) Sartre
17.	 Which one of the following is not included in Prasthanatraya? A) Sutrabhasya B) Brahma Sutra C) Upanisad D) Bhagavad Gita
18.	The real is rational, and the rational is real is the doctrine of:A)KantB)HegelC)ShellingD)Fichte
19.	Author of Annihilation of Caste:A)Dr. B.R.AmbedkarB)K.C.BhattacharyaC)Dr. S RadhakrishnanD)M K Gandhi
20.	The ancient thinker who believed in immortality, transmigration and reincarnation of souls: A) Pythagoras B) Democritus C) Epicurus D) Protagoras

A) Pythagoras B) Democritus C) Epicurus D) Protagoras

21.	In which view of punishment, the offender is being treated merely as a means to the good of others?	
	 A) Reformative theory B) Retributive theory C) Deterrent theory D) Mollified theory 	
22.	Who thinks that art is the stepping stone to philosophy?A)PlatoB)AristotleC)HegelD)Kant	
23.	The normative ethical theory which considers duty as the basis of all morality:A)TeleologyB)ConsequentialismC)DeontologyD)Virtue ethics	
24.	The value that something has on account of its utility or usefulness for others is calledvalue.	
	A) Inherent B) Intrinsic C) Instrumental D) Inborn	
25.	Match the following:a. Jeremy Bentham1. Evolutionary hedonismb. Herbert Spencer2. Intuitionismc. C.S.Peirce3. Utilitarianismd. Joseph Butler4. Pragmatism	
	A)a-3, b-1, c-4, d-2B)a-3, b-1, c-2, d-4C)a-3, b-4, c-2, d-1D)a-2, b-4, c-1, d-3	
26.	 Which of the following is not included in Kant's three postulates of morality? A) Freedom of the will B) Existence of God C) Purity of means D) Immortality of the soul 	
27.	Which of the following is considered as a self-regarding virtue.A) JusticeB) Benevolence	
	A)JusticeB)BenevolenceC)PatriotismD)Temperance	
28.	Who among the following held the view that one's duties come from the station he occupies? A) Butler B) Sidgwick C) Bradley D) Bentham	
29.	Select the odd one:A)Temperance B)JusticeC)FidelityD)Prudence	
30.	The chief exponent of the theory that considers ethical pronouncements asmereexpressions of the speaker's feelings:A)A.J.AyerB)Rudolf CarnapC)G.E.MooreD)R.M.Hare	

- 31. Which one of the following statements is **not** in conformity with Kant's Maxims of morality?
 - A) What is right is universal
 - B) Act in accordance with one's own conscience
 - C) Be a member of an ideal republic in which each is a sovereign and a subject
 - D) Treat every person as ends and not as means
- 32. The form of cyber threat by which someone is trying to gather personal information using deceptive e-mails and websites is called:
 - A) Phishing B) DoS C) Spam D) Malware
- 33. The Dvaiātdvaita system was propounded by:A) Madhava B) Ramanuja C) Vallabha D) Nimbarka
- 34.How many pramanas does Prabhakara Mimamsa accept?A)3B)4C)5D)6
- 35. Which among the following is **not** a correct statement?
 - A) Buddhism holds that consciousness is a by-product of matter
 - B) According to Buddhism, everything undergoes change
 - C) Buddhism states that there is no permanent self
 - D) Buddha holds that depending on the cause, the effect arises

36. Vyapti according to Naiyayikas refers to invariable relation between:

- A) Minor and middle term
- B) Major and middle term
- C) Major and minor terms
- D) None of the above
- 37. The school which holds the view that consciousness is a by-product of matter:
 - A) Buddhism B) Charvaka
 - C) Jainism D) Nyaya
- 38. Which one of the following is **not** considered as extra ordinary perception in Nyaya System?
 - A) Apurva lakshana B) Yogaja
 - C) Samanyalakshana D) jnana lakshana
- 39. Advaitin's theory of error is known as
 - A) Atmakhyati B) Sat khyati
 - C) Anirvacaniyakhyati D) Sat asatkhyati

40.	a. Va b. Sā	h the following: isesika mkhya sistadvaita vaita	1. Brah 2. Brah 3. Prak 4. Para	nma pa kritipa	arinam rinama	avada Ivada		
	A) C)	a-3, b-4, c-1, d-2 a-4, b-3, c-1, d-2		B) D)	,	o-1, c-2, d-4 o-3, c-2, d-1		
41.	Rita i A) C)	n Vedic period stand Reincarnation Indebtedness		B) D)		ersal orderline sangraha	ess	
42.	Vaise	h one is considered a sika philosophy?			-			-
	A)	Atom B)	Dvaya	nuka	C)	Tryanuka	D) No	one of these
43.		heory of causation w ay and the cloth in th Asatkaryavada Arambhavada	ne thread		Viva	oles that 'the p rthavada iryavada	oot alrea	ady exists in
44.	Identi A) B) C) D)	ify the correct sequer Hetu, pratijna, udal Pratijna, udaharana Pratijna, hetu, udah Upanaya, hetu, pra	narana, n , hetu, u arana, u	nigama panaya panaya	ana, up a, niga a, niga	anaya mana mana	syllogis	m:
45.	The s A) C)	logan 'Sarvamkhalvi Brahadaranyaka Chandogya		ahma' B) D)	is fron Kena Taitte	-	d.	
46.	Whic A)	h one of the followin Moksha B)	ig is not Kama	includ	led in j C)	purusharthas? Dharma	D)	Sathya
47.	a. Pac b. Ny c. Ny d. Ny	h the following: lartha-dharma-sangra ayaratnakara ayamanjari aya-varttika-tatparya	-tika	2. Pra 3. Vao 4. Jay	sastapa caspath antha l	hi Misra Bhatta		
	A) C)	a-2, b-1, c-4, d-3 a-3, b-4, c-1, d-2		B) D)		o-2, c-3, d-4 o-1, c-3, d-4		

- 48. What does the doctrine of Aprathak-siddhi in Visishtadvaita mean?
 - A) Outer separable relation B) Inner inseparable relation
 - C) Mutual relation D) None of these
- 49. Which type of mediate knowledge in Jaina thought is obtained through senses and mind?
 - A) Mati B) Sruta
 - C) Avadhi D) Manahparyaya
- 50. The Yogachara Buddhists are:
 - A) Svabhavavadins B) Madhyamavadins
 - C) Sunyavadins D) Vijnanavadins

51. State whether the following statements are true or false:

- 1. Advaitins hold that the Absolute can be realised through jnana and karma
- 2. Prapatti means flinging oneself in the mercy of God
- 3. Madhva speaks of three types of devotees
- 4. Suddhadvaita is also called the path of grace.
- A) All statements are true
- B) Statement 1 is false, and others are true
- C) Statement 1 and 2 are true and others are false
- D) All statements are false

52. Choose the w**rong** pair:

m
ta
nism

- 53. The relation between cause and effect is only a habit or a custom according to:
 - A) David Hume B) Immanual Kant
 - C) Descartes D) Bradley

54. The hedonistic calculus was propounded by:A) Bentham B) J.S. Mill C) Kant D) Aristippus

- 55. The philosophical doctrine which maintains God as both immanent and transcendent:
 - A) Pantheism B) Panentheism
 - C) Deism D) Pandeism
- 56. The relation between A and I proposition is referred as:
 - A) Contrary B) Sub-contrary
 - C) Contradictory D) Subaltern

- 57. Which one of the following is **not** included in the Pancabhēdas in Madhva's philosophy?
 - A) The distinction between God and the individual soul
 - B) The distinction between God and matter
 - C) The distinction between one soul and another soul
 - D) The distinction between Brahman and God
- 58. Which one of the following is **not** included in the laws of thought?
 - A) Law of identity B) Law of Contradiction
 - C) Law of Contingency D) Law of excluded middle
- 59. "Whatever phenomenon varies in any manner, whenever another phenomenon varies in some particular manner is either the cause or the effect or is connected with it through some fact of causation." This canon refers to which method of J.S. Mill?
 - A) Method of agreement
 - B) Method of Concomitant variation
 - C) Joint method of agreement and difference
 - D) Method of difference
- 60. Which one of the following is **not** the postulate of induction?
 - A) Law of Universal causation
 - B) Principle of Uniformity of Nature
 - C) Law of Continuity of Nature
 - D) Law of unity of Nature
- 61. "Religion is realisation, not talk, nor doctrine, nor theories...it is being and becoming, not hearing or acknowledging; it is the whole soul becoming changed into what it believes". Who said this?

A)	Vivekananda	B)	M.N.Roy
C)	Aurobindo	D)	K.C.Bhattacharya

- 62. A statement form that has only false substitution instances is called:
 - A) ContradictionB) NegationC) ContingentD) Tautology

63. Which of the following are the rules of inference?

1. p	v q	2.	p⊃q	3. p	⊃ q	4.	$p \supset q$
~	р		~ q	C	q⊃ r		р
	q		∴ ~ p	 :	p⊃ r		∴q
A) C)	1 and 2 1 and 4			B) D)	2 and 4 1, 2, 3 a	are true nd 4 are t	rue

64.	 Which one of the following is not a correct inference of the statement "All flowers are beautiful" is given as true then which of the following options can be validly inferred from it? 1. No flower is beautiful is False 2. Some flowers are beautiful is True 3. Some flowers are not beautiful is false 4. Some flowers are not beautiful is True 				
	A)1, 2 and 3 are trueB)1, 2 and 4 are trueC)3 and 4 are trueD)1 and 2 are true				
65.	 A kind of inductive reasoning in which from the resemblance of two or more things in certain respects, their likeness in other respects is inferred is called: A) Predictability B) Affinity C) Analogy D) Relativity 				
66.	The thinker who has no association with sphotavada: A) Bhartrihari B) Patanjali C) Kapila D) Panini				
67.	 Who among the following held the view that the ethical term 'good' is indefinable and irreducible to any natural property?. A) G.E. Moore B) Henri Bergson C) Joseph Butler D) Thomas Hobbes 				
68.	Brahman is <i>SajatiyaVijatiyaSvagatabhedarahita</i> . Who held this view? A) Madhva B) Ramanuja C) Sankara D) Nimbarka				
69.	Accordingto Sri Aurobindo, the triple process of evolutionary growth involves which of the following?1. Widening 2. Differentiation 3. Heightening 4. Integration.				
	A)1, 2 & 4 onlyB)2, 3 & 4 onlyC)1, 2 & 3 onlyD)1, 3 & 4 only				
70.	 Which of the following is not included in Yogic step of Niyama? A) Brahmacarya B) Iswarapranidhana C) Svadhyaya D) Tapas 				
71.	 Identify the true statements: 1. Darsanamala is a great work of Sri Narayana Guru. 2. Sri Narayana Guru established the Advaita Ashram near Kannur. 3. Mahatma Gandhi visited Narayana Guru during his 1925 trip to Kerala. 4. Jati Lakshanam clarifies Narayana Guru's perspectives of Caste. 				
	A) 1, 2, 3 & 4 B) 1 & 2 only C) 3 & 4 only D) 1, 3 & 4 only				

72. National Youth Day is celebrated in India on:

A)	September 19	B)	January 12
(\mathbf{C})		D)	0 1 10

C) February 7 D) September 10

73. "Truth is not something that can be followed; it has to be discovered. You cannot find truth through any book or through any accumulation of experience." Who said this?

- A) Dr. S Radhakrishnan
 B) Iqbal
 C) Rabindranath Tagore
 D) J. Krishnamurty
- C) Rabilidianan Tagore D) J

Match the following:	
a. Mahatma Gandhi	1. Jnanavichara
b. Rabindranath Tagore	Rajayoga
c. Ramana Maharshi	3. Jivan Devata
d. Vivekananda	4. Nai Talim

- A)a-3, b-4, c-2, d-1B)a-4, b-2, c-1, d-3C)a-3, b-1, c-4, d-2D)a-4, b-3, c-1, d-2
- 75. Pick out the **wrong** statement:
 - A) *Laws* is the last work of Plato
 - B) Like Indian thought, Plato's philosophy is soteriological
 - C) Plato held that an individual has three aspects namely, reason, high spirits and appetites

D)

a-3, b-4, c-1, d-2

D) Democracy is the best form of government according to Plato

76. Match the following:

C)

74.

a. Vivekachudamani	1. Sri Aurobindo	
b. Advaitachintapaddhati	2. S.Radhakrishnan	
c. The Idealistic View of Life d. The Life Divine	 Chattambi Swami Sankara 	kal
A) a-2, b-4, c-3, d-1	B) a-4, b-3, c-2, d	1 -1

- 77. Evaluation of aesthetic judgement of Kant is found in his:
 - A) Critique of Judgment
 - B) Critique of Pure Reason

a-1, b-3, c-2, d-4

- C) Critique of Practical Reason
- D) Critique of Art and Beauty
- 78. Choose the **wrong** pair:

A)	Berkeley	_	Esseestpercipii
B)	Hume	_	Subjective Idealism
C)	Kant	_	Synthetic apriori
D	Hegel	_	Absolute Idealism

79. Match the following:

79.	Match the following:a. Karl Popper1. Course in General Linguisticsb. Feyeraband2. Against Methodc. Saussure3. Sense and Sensibiliad. J.L. Austin4. The Poverty of Historicism
	A)a-4, b-2, c-1, d-3B)a-3, b-2, c-1, d-4C)a-4, b-3, c-2, d-1D)a-4, b-2, c-3, d-1
80.	'A proposition is the picture of reality; it pictures the fact.' Name the philosopher who holds this view.A) Wittgenstein B) Russell C) Carnap D) A.J. Ayer
81.	The term used by Heidegger which is basically concerned with the investigation of human existence in the world is A) Zu sein B) Sein C) Dasein D) None of these
82.	According to the theory of speech act, the utterance 'I promise to be there at7.30' is an example of utterance.A)PerformativeB)ConstativeC)PrescriptiveD)Descriptive
83.	 From a Marxian perspective, what is the relation between base and super structure? A) The change in superstructure leads to the change in the economic base of a society B) The change in the economic base of a society leads to the change in superstructure C) The change in the base does not cause any change in superstructure D) None of these
84.	 is the claim that two paradigms may be so different that any straight forward comparison of them with each other is impossible. A) Incommensurability B) Paradigm shift C) Incompatibility D) Incoherence
85.	Name the empiricist philosopher who proposed immaterialism.A)HegelB)BerkeleyC)LockeD)Hume
86.	The work for which Rabindranath Tagore got the Nobel prize for literature: A) Gitanjali B) Kabuliwala C) Gora D) Manasi
87.	In the creation of genuine knowledge, the categories of mind play a very important role. This fundamental proposition was formulated by:A) Berkeley B) Kant C) Locke D) Hume

- 88. Which was the term Kant used in his *Critique of Pure Reason* to express the mutually contradictory propositions in which both thesis and antithesis can be proved?
 - A) Antinomy B) Synthetic apriori
 - C) Phenomena D) Noumena
- 89. When the speaker merely utters the word 'vatayanam'(window), the hearer cannot understand what the speaker wants unless he presumes the missing word 'pidhehi'(close). Advaitins put this as an example for:
 - A) Abhidhanupapatti B) Abhihitanupapatti
 - C) Smrutarthapatti D) Drshtarthapatti
- 90. Which of the terms are distributed in an I proposition?
 - A) Subject
 - B) Predicate
 - C) Both subject and predicate
 - D) Neither subject nor predicate
- 91. According to Naiyayikas, true knowledge is that which tells us about the existence of a thing in a place where it really is. This view finds its parallel in the -----theory of Western Philosophy.
 - A) Positivistic B) Coherence
 - C) Pragmatic D) Correspondence
- 92. The perception of the brightness of shell revives the memory of silver. Here error arises when we fail to perceive the difference between perception and memory. This type of error is called:
 - A) Akhyati B) AnyathaKhyati
 - C) Satasat khyati D) Viparita khyati
- 93. If two propositions are connected by Either-or, then the proposition is called:
 - A) Hypothetical B) Disjunctive
 - C) Universal D) Categorical
- 94. Examine the following statements and find out whether they are true or false according to the rules of obversion?
 - 1. The subject of the obverse is the same as the subject of the obvertend.
 - 2. The I proposition has its obverse the O proposition
 - 3. "No residents are non-voters" is the obverse of "All residents are voters".
 - 4. The obverse of O proposition is not valid.
 - A) 1 & 3 are true and 2 & 4 are false
 - B) 1, 2 & 3 are true and 4 is false
 - C) 1, 2 & 4 are true and 3 is false
 - D) 1, 2, 3 & 4 are true

95.	The rooster crows immediately before sunrise, therefore the rooster causes the sun to rise. Identify the fallacy of induction in the above statement.				
	A) C)	Illicit generalisation Unsound analogy	B) D)	Post hoc ergo propter hoc Non causa pro cause	
96.	Which one of the following, accordinate ideological state apparatuses (ISA)?A) The Army B) The Court		A)?	ng to Althusser, is considered as the C) The Police D) The Family	
97.	Name the fallacy in the following argument. No non-honest persons are respected. Mr Butler is not respected. Therefore, Mr Butler is not honest.				
	A) C)	Fallacy of two negatives Illicit major	B) D)	Undistributed middle Illicit minor	
98.	Find out whether the argument is valid or invalid: All ambitious persons are unsympathetic All dictators are ambitious Therefore all dictators are unsympathetic.				
	A) C)	Valid, Barbara mood Fallacy of illicit major	B) D)	Invalid, Undisributed middle Fallacy of illicit minor	
99.		vert the following proposition ats are mammals	n-		
	A) C)	Some mammals are bats All mammals are bats	B) D)	Some mammals are not bats No mammals are bats	
100.		the odd one: Contraposition Alteration	B) D)	Obversion Conversion	
101.	Find the fallacy in the syllogism. All Europeans are self centered. All Indians are self centered. Therefore, all Indians are Europeans.				
	A) C)	Undistributed middle Illicit minor	B) D)	Illicit major Two negative premises	

102.	2. The universals do not exist in individual thing nor in any mind, they are m names or verbal sound without any corresponding reality. The doctrine is:					
	A) UniversalismC) Verbalism	B) D)	Nominalism Noumenalism			
103.	saying is ' <i>Homo Mensura</i> ': Protagoras					
	C) Heraclitus	B) D)	Pythagoras			
104.	Which one of the following is not included in the four kinds of causes said by Aristotle?					
	A) Material B) Fin	nal	C) Essential D) Efficient			
105.	b. St.Anselm 2. c. St.Augustine 3.	The Mon	Theologiae			
	A) a-3, b-2, c-4, d-1 C) a-3, b-1, c-2, d-4	,	a-2, b-3, c-1, d-4 a-3, b-2, c-1, d-4			
106.	thought?A) Descartes accepted theB) The attribute of mind isC) Mind and body are related to the second seco	independ s thinking tive subs				
107.	Which Idola of Bacon does the following example belong to? 'One-sided devotion to one's own method, profession or society':					
	A) Idola TribusC) Idola Fori	B) D)	Idola Specus Idola Theatri			
108.	Man is the crown and roof ofA) AnthropomorphismC) Androcentrism	all things B) D)	in the world. Name this view point: Anthropocentrism Humanism			
109.	Who held the view that th falsifiability?	e hallma	rk of scientific theories is systematic			
	A) Thomas KuhnC) Karl Popper	B) D)	Carl Hempel Paul Feyeraband			

- 110. Identify the true statements about Spinoza:
 - 1. Spinoza supports the theory of occasionalism.
 - 2. Spinoza's most celebrated work is Natura Naturata.
 - 3. Spinoza considered that substance, God and Nature are one.
 - 4. Spinoza upholds the concept of pan psychism.

A)	2 and 3 only	B)	1 and 2 only
C)	3 and 4 only	D)	1, 2, 3 and 4

- 111. 'Percepts without concepts are blind and concepts without percepts are empty.' Who said this?
 - A) Kant B) Hegel C) Berkeley D) Hume
- 112. Name the book in which Ryle speaks of the ontological error that arises by presenting a thing belonging to a particular category as if they belong to a different category.
 - A) The Concept of Mind
 - B) The Critique of Cartesian Dualism
 - C) Dilemmas: The Tarner Lectures 1953
 - D) A Rational Animal
- 113. In the linguistic dichotomy of Saussure, language as it is practised by the community of the speaker is termed as:
 - A) Langue B) Parole C) Significant D) Signifie
- 114. "Language mirrors the reality." Which of the following doctrine upholds this statement?
 - A) Logical atomism B) Logialempiricism
 - C) Physicalism D) Positivism
- 115. The epistemological theory which holds that the idea of the operation of science by fixed universal rules is unrealistic, pernicious and detrimental to science. Name this view.
 - A) Epistemological Nihilism B) Epistemological anarchy
 - C) Decentering D) Demarcation.

116. What was Gramsci's term for cultural consensus supporting capitalism?

- A) Authority B) Hegemony
- C) Universalism D) Ideological state apparatuses
- 117. Which one of the following concept is **not** associated with Derrida?
 - A) Cultural capital B) Logocentrism
 - C) Deconstruction D) Difference

118. Match the following:

C)

a. Derrida 1. For Marx	1. For Marx			
b. Saussure 2. Grammatology	2. Grammatology			
c. Antonio Gramsci 3. Course in General Linguistic	3. Course in General Linguistics			
d. Althusser 4. Prison Notebooks	4. Prison Notebooks			
A) a-2, b-3, c-4, d-1 B) a-4, b-3, c-2, d-1				

119. Which of the following statement is **wrong** according to logical positiv

Which of the following statement is wrong according to logical positivism?A) Verification principle is the basic criterion for meaningfulness of a proposition

D)

a-3, b-2, c-4, d-1

- B) Verification of the statement must be done in terms of sense experience
- C) The metaphysical statements are meaningful
- D) "There is a God" is considered as a typical meaningless statement.
- 120. Which of the following concepts are true with regard to Nietzsche's philosophy?
 - 1. Will to power 2. Nihilism 3. Anti idealism
 - 4. A revaluation of all values

a-3, b-1, c-4, d-2

- A) 1, 2, 3 & 4 B) 1 & 4 only
- C) 2 & 3 only D) 1, 2 & 3 only
