SEAL

Booklet Serial No.

Test Booklet Series

000085

## TEST BOOKLET VETERINARY ASSISTANT SURGEON - 2019 Code No. 31

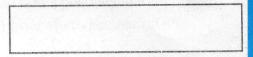


Time Allowed: Two Hours

Maximum Marks: 120

## INSTRUCTIONS

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
- 2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet/Response Sheet. Any omission/discrepancy will render the Answer Sheet/Response Sheet liable for rejection.
- You have to enter your Roll Number on the
   Test Booklet in the Box provided alongside.
   DO NOT write anything else on the Test Booklet.



- 4. This Test booklet contains 120 items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
- 5. You have to mark all your responses *ONLY* on the separate Answer Sheet/Response Sheet provided. See directions in the Answer Sheet/Response Sheet.
- 6. All items carry equal marks.
- 7. Before you proceed to mark in the Answer Sheet/Response Sheet, the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet/Response Sheet as per instructions sent to you with your Admission Certificate.
- 8. After you have completed filling in all your responses on the Answer Sheet/Response Sheet and the examination has concluded, you should hand over to the Invigilator only the Answer Sheet/Response Sheet. You are permitted to take away with you the Test Booklet and Candidate's Copy of the Answer Sheet/Response Sheet.
- 9. Sheets for rough work are appended in the Test Booklet at the end.
- 10. While writing Centre, Subject and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use "ONLY BALL POINT PEN".

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

- 1. The causative agent of Black Quarter is
  - (A) Clostridium novyi
  - (B) Clostridium septicum
  - (C) Clostridium feseri (chauvoei)
  - (D) None of the above
- 2. Intravenous administration of too rapid a fluid in case of anorexia linked with pneumonia may cause death due to
  - (A) Acute heart failure
  - (B) Kidney failure
  - (C) Cerebral dysfunction
  - (D) None of the above
- 3. A viral disease of cloven footed animals including cattle successfully eradicated from India is
  - (A) Rinderpest (Cattle plague)
  - (B) Bovine Malignant Catarrh
  - (C) Bovine Ephemeral fever
  - (D) Bovine papillomatosis
- 4. Antidote of xylazine, a popular immobilizing agent used either single or in combination with other drugs for a wide variety of wild species, is
  - (A) YohimbineHCl
  - (B) Xylocaine
  - (C) Diazepam
  - (D) None of the above
- 5. Tentatively, the period of quarantine for animal sector is
  - (A) 4 days
  - (B) 40 days
  - (C) 4 months
  - (D) None of the above

- 6. Malicious poisoning punishable under IPC section 428 and 429 include
  - (A) Toxemia
  - (B) Castration
  - (C) Arbusprecatorius
  - (D) None of the above
- 7. Performance modifying substance used in race horses is a
  - (A) Stimulant
  - (B) Tranquillizer
  - (C) Bronchodilator
  - (D) All of the above
- 8. Site of inoculation in chicken vaccinated against Fowlpox may be examined for presence of 'take' reaction
  - (A) 2<sup>nd</sup> day after vaccination
  - (B) 7<sup>th</sup> day after vaccination
  - (C) 24 hours postvaccination
  - (D) 1 hour after vaccination
- 9. Coccidian infections in chicken are readily confirmed by
  - (A) Morbidity/mortality rate
  - (B) Serological tests
  - (C) Demonstration of oocysts in faeces and intestinal scrapings
  - (D) All of the above
- 10. Signs of inappetence, weakness, diarrhea, low egg production, emaciation along with enlarged bursa and/or liver in chicken aged 14-16 weeks commercial layers upto 2.0% population may lead to the suspicion of
  - (A) Ranikhet disease
  - (B) Marek's disease
  - (C) Avian leukosis
  - (D) All of the above

- 11. Failure of blood to clot and absence of rigor mortis are noticed in one of the following zoonotic diseases
  - (A) Rabies
  - (B) Anthrax
  - (C) Leptospirosis
  - (D) Tuberculosis
- 12. Minimal gestational age (days) for viability of lamb is
  - (A) 120
  - (B) 108
  - (C) 138
  - (D) 118
- 13. Vaccination of the newborn under 2 months of age has NOT been widely practiced because of the
  - (A) Immature immune system
  - (B) Poor protein status
  - (C) Low body weight
  - (D) Improper urinary output
- 14. Sepsis, usually associated with hypoglycemia, is an important cause of illness in neonates that can manifest as
  - (A) Localized infection without systemic signs
  - (B) Localized infection with systemic signs
  - (C) Systemic signs without localized infection
  - (D) All of the above

- 15. Farm animals are born agammaglobinemic hence ingestion of colostrum within 4 hour of parturition is essential to confer
  - (A) Natural passive immunity
  - (B) Natural active immunity
  - (C) Artificial active immunity
  - (D) Artificial passive immunity
- **16.** Which one of the following is NOT at anti-tubercular drug
  - (A) Ethambutol
  - (B) Isoniazide
  - (C) Rifampcin
  - (D) Oxyclozanide
- 17 Vagus indigestion in cattle predominantly characterized by
  - (A) Pasty faeces with reduced bulk
  - (B) Presence of mucus and blood it faeces
  - (C) Frequent micturition
  - (D) Watery faeces with increase frequency
- **18.** Method used to eradicate bovin tuberculosis from one area is
  - (A) Selective breeding policy
  - (B) Medication with anti-tubercula drug
  - (C) BCG vaccination to calves
  - (D) Diagnosis through tuberculin test
- **19.** Common route of Arsenic poisoning in farm animals is
  - (A) Ingestion
  - (B) Inhalation
  - (C) Skin contact
  - (D) Coitus

- 20. R<sub>2</sub>B vaccine is given for protection to the chicken against
  - (A) Avian Influenza
  - (B) Marek's disease
  - (C) Ranikhet disease
  - (D) Infectious bursal disease
- 21. Clinical diagnosis of Hemorrhagic septicemia in endemic area is based on
  - (A) Lapses of vaccination
  - (B) Typical clinical signs
  - (C) Environmental condition
  - (D) All of the above
- 22. Central strategy for prevention and control of Marek's Disease is
  - (A) Test and slaughter
  - (B) Proper disposal of carcass
  - (C) Vaccination
  - (D) Chemoprophylaxis using antiviral drugs
- 23. Disease with the signs of emaciation, shedding of wool and presence of soft faces in sheep are characteristic features of
  - (A) Rinderpest
  - (B) Foot and Mouth Disease
  - (C) Hemorrhagic septicemia
  - (D) Johne's Disease
- 24. One of the following is a surfactant used as an antifoaming agent for treatment of ruminal tympany/bloat
  - (A) Calcium chloride
  - (B) Non-toxic mineral oil
  - (C) Magnesium sulfate
  - (D) None of the above

- **25.** One of the condition noticed in cattle following recovery from FMD is
  - (A) Chorea
  - (B) Hairy panter
  - (C) Calcium cycler
  - (D) None of the above
- 26. Correlation among different measurements on a character in the life of an animal is called
  - (A) Repeatability
  - (B) Heritability
  - (C) Regression
  - (D) Variance
- 27. Proportion of phenotypic variance caused due to additive gene variance is
  - (A) Heritability
  - (B) Correlation
  - (C) Regression
  - (D) Response
- 28. Which of the following is not an assumption for Hardy Weinberg equilibrium
  - (A) Large population
  - (B) Migration
  - (C) Mutation
  - (D) Variation
- 29. In a random mating population, the maximum heterozygosity is expressed when one of the gene frequency is
  - (A) 0.2
  - (B) 0.7
  - (C) 0.9
  - (D) 0.5

- **30.** If a genotype is AaBbCcDdEe, then the number of unique gamets possible from the genotype is
  - (A) 4
  - (B) 8
  - (C) 16
  - (D) 3
- 31. Duplicate dominant epistasis in  $F_2$  generation yields a phenotypic ratio of
  - (A) 12:3
  - (B) 13:3
  - (C) 15:1
  - (D) 9:7
- 32. Repeatability sets
  - (A) An upper limit to heritability
  - (B) A lower limit to heritability
  - (C) An upper limit to inbreeding
  - (D) A lower limit to heterosis
- 33. The ideal male to female ratio in flock mating of poultry is
  - (A) 1:10
  - (B) 1:20
  - (C) 1:1
  - (D) 1:15
- 34. When two or more breeds are used in a particular sequence on crossbred female population it is called
  - (A) Criscrossing
  - (B) Outcrossing
  - (C) Rotational Crossing
  - (D) Test crossing

- 35. The reverse of heterosis is
  - (A) Inbreeding coefficient
  - (B) Epistasis
  - (C) Breeding Value
  - (D) Inbreeding depression
- 36. The organ of an apparently healthy cattle that shed *Pasteurellamultocida* serotype B2 during period of stress, is
  - (A) Tonsil
  - (B) Urinary bladder
  - (C) Vagina
  - (D) Mammary gland
- 37. Heterosis is caused due to
  - (A) Inbreeding
  - (B) Assortative mating
  - (C) Non-additive effect of genes
  - (D) Additive effect of genes
- 38. Maximum number of traits which can lead considered in a selection indeprogramme with better effect is
  - (A) 20
  - (B) 10
  - (C) 3
  - (D) 4
- **39.** Mating of a purebred sire of a desirat breed to non descript female is called
  - (A) Crossbreeding
  - (B) Upgrading
  - (C) Top crossing
  - (D) Test crossing

- 40. Inbreeding coefficient of an individual produced from parent offspring is differential value is 25; generation
  - (A) 0.25
  - (B) 0.50
  - (C) 0.025
  - (D) 0.80
- **41.** Homozygotes of identical genes are called
  - (A) Allozygous
  - (B) Codominant
  - (C) Autozygous
  - (D) Pheomaline
- **42.** General combining ability calculated in a diallel mating is indicative of
  - (A) Overdominance
  - (B) Epistasis
  - (C) Non-additive genetic effect
  - (D) Additive genetic effect
- **43.** Traits having low h<sup>2</sup> can be improved through
  - (A) Family selection
  - (B) Individual selection
  - (C) Combined selection
  - (D) Tandem method of selection
- 44. Response to selection depends on
  - (A) Intensity
  - (B) Correlation
  - (C) Regression
  - (D) Inbreeding

- 45. In h<sup>2</sup> value of a trait is 0.5; selection differential value is 25; generation interval is 2.5 years, then the response per year will be
  - (A) 12.5
  - (B) 31.25
  - (C) 5
  - (D) 7.5
- **46.** Which of the following is not a function of testosterone?
  - (A) Production of sperm in the testis
  - (B) Maturation of sperm in the epididymis
  - (C) Function of the accessory sex glands
  - (D) Aromatize testosterone into oestrogens
- **47.** The main constituent of ampullary secretion in the stallion is
  - (A) Citrate
  - (B) Ergothionine
  - (C) Fructose
  - (D) Inositol
- 48. Vesicular glands secretion in boar is rich in
  - (A) Citrate and fructose
  - (B) Citrate and inositol
  - (C) Ergothionine and Citrate
  - (D) Ergothionine and inositol
- **49.** Immotile spermatozoa due to perturbation of genesis of flagellum representing loose coils of spermatozoa is termed as
  - (A) Dag defect
  - (B). Cork screw defect
  - (C) Diadem defect
  - (D) Annular defect

- Typical 'rage' reaction during | 55. In the two stage technique of in vitro dismounting of male is the copulatory behavior commonly found in
  - (A) Cow
  - (B) Bitch
  - (C) Mare
  - (D) Cat
- 51. The collection period for digestibility trial of large ruminant should be
  - (A) 7-10 days
  - (B) 10-14 days
  - (C) 5-7 days
  - (D) 20-22 days
- Effect of chaffing of roughages 52.
  - (A) Increases intake
  - (B) Prevent selection of animal
  - (C) Reduces energy expenditure in mastication
  - (D) All of the above
- 53. The digestibility of forage depends upon
  - (A) Variety
  - (B) Fertilization
  - (C) Stage of maturity
  - (D) All of the above
- 54. In determining the digestibility by in situ method, the feed materials are kept in
  - (A) Rumen
  - (B) Abomasum
  - (C) Small intestine
  - (D) Any part of the gastro intestinal tract

- digestibility, the second statge simulates
  - (A) Microbial digestion
  - (B) Enzymatic digestion
  - (C) Fermentative digestion
  - (D) All of the above
- 56. Cannibalism in poultry can be due to deficiency of
  - (A) Sodium
  - (B) Potassium
  - (C) Sulphur
  - (D) Chloride
- Who developed the starch equivalent valu 57. of feed
  - (A) Atwater
  - (B) Morrison
  - (C) Armsby
  - (D) Kellner
- Which one of the following does no 58. serve as a source of phosphorous for th animals
  - (A) Bone meal
  - (B) Meat meal
  - (C) Lime stone
  - (D) Wheat bran
- 59. Higher RQ value is found with
  - (A) Carbohydrate
  - (B) Fat
  - (C) Protein
  - (D) Minerals

60.	Asc	corbic acid cannot be synthesized by	65.	Ma	labari breed of goat originates in the
	(A) Human being			state of	
	(B)	Guinea pig		(A)	Orissa
	(C)	Primates		(B)	Jharkhand The State of the Stat
	(D)	All of the above		(C)	Kerala
				(D)	Andhrapradesh
61.	Whi	ich of the following is a dual breed			
54G	of cattle		66.	of wood from the being of	
	(A)	Red sindhi		ram in the region of penis is known as	
	(B)	Haryana			Clipping
	(C)	Sahiwal		(B)	Ringing
	(D)	Amritmahal		(C)	Crutching
				(D)	Tagging
62.	Rate born	Rate of feeding colostrums to a newly born calf is		Flus	shing can improve lambing rate by
	(A)	1/5 <sup>th</sup> of body wt.		(A)	15-25%
	(B)	1/10 <sup>th</sup> of body wt.	17	(B)	5-10%
	(C)	1/15 <sup>th</sup> of body wt.		(C)	40-50%
	(D)	1/20 <sup>th</sup> of body wt.		(D)	None of the above
63.	Crude protein percentage of growing/finishing ration is		68.	The cross shee	strain developed at CSWRI by sing Rambouillet on Chokla and Nali
	(A)	10-12		(A)	Avivastra
	(B)	14-16		(B)	Abhimanas
	(C)	18-20		(C)	Abhikalin
	(D)	None of the above		(D)	Kheri
64.	The hormone responsible for letdown of milk is		69.	The r	removal of soiled wool from sheep's quarter is called
	(A)	Adrenaline		(A)	Dodding
	(B)	Oxytocin		(B)	Ringing
	(C)	(C) Prolactin		(C)	Tagging
	(D)	ACTH COMMON CONTROL OF		(D)	Shearing
Test	No. 3	<b>31- (A)</b> (9	)		[P.T.O.

- 70. The original home tract of Sannen breed is
  - (A) USA
  - (B) Switzerland
  - (C) Turkey
  - (D) England
- 71. Which of the following is a milch breed of goat
  - (A) Beetal
  - (B) Chegu
  - (C) Ganjam
  - (D) Assam Hill
- 72. Hybrid napier is a
  - (A) Legume
  - (B) Grass
  - (C) Root
    - (D) Tree leave
- 73. Calving interval is equal to
  - (A) Lactational length + Dry period + Service period
  - (B) Service period + Gestation period
  - (C) Gestation period + Dry period
  - (D) Service period + Lactation period
- 74. The most important economic trait taken into account while selecting a dairy cow is
  - (A) Age at first estrus
  - (B) Lactational yield
  - (C) Dry period
  - (D) Intercalving period

- 75. Practice of feeding concentrate during the last quarter of pregnancy is termed as
  - (A) Steaming up
  - (B) Flushing
  - (C) Challenge feeding
  - (D) Complete feeding
- 76. Development of ropiness in milk may be due to infection of
  - (A) Salmonella enterica
  - (B) Brucella abortus
  - (C) Alcaligenes viscolactis
  - (D) Pseudomonas spp.
- 77. Artificial insemination technique in cattle was first introduced in India by
  - (A) P Bhattacharya
  - (B) SN Luktuke
  - (C) Sampat Kumaran
  - (D) Ivanov
- 78. Bifidus factor is present in milk of
  - (A) Cow
  - (B) Buffalo
  - (C) Goat
  - (D) Human
- 79. The condition in which fetal bones crepitate within uterus on rectal examination of a pregnant cow
  - (A) Mummification
  - (B) Maceration
  - (C) Hydroallantois
  - (D) Hydroamnios

80.	LP system is related with		Virus transmitted through milk of goat	
	(A) Cleaning of dairy utensils		infected with	
	(B) Packaging of milk and milk products		<ul><li>(A) Tick borne tuphus</li><li>(B) CCPP</li></ul>	
	(C) Germicidal property of milk		(C) Rota virus	
	(D) Transportation of milk		(D) None of the above	
81.	Psychrophillic organism grows at  (A) 35-37°C		A delayed somatic effect of radiation is	
			(A) Point mutation	
	(B) 40-45°C		(B) Leukemia	
			(C) Radiation sickness	
	(C) 22-27°C		(D) Chromosome mutation	
	(D) -20°C	87.	артово их и ваерителя на висыкального — «	
82.	UHT stands for		The most efficient method of reducing the organic matter in the sewage is	
	(A) Ultra Heating Technique	d	(A) Aerobic process	
	(B) Ultra High Temperature		(B) Anaerobic process	
	(C) Ultra Humid Temperature		(C) Both aerobic and anaerobic processes	
	(D) None of the above		(D) None of the above	
83.	Bacteriophages are		The radioactive isotope which has got the	
	(A) Bacteria	HEE	half life of about 30 years is	
	(B) Virus		(A) Cesium 137	
	(C) Fungi		(B) Carbon 14	
	(D) Parasites		(C) Strontium 90	
	* (1) Peta Etar		(D) Iodine 131	
84.	The first veterinary school was established in		Biodegradable organic matter in water indicate the presence of	
	(A) US		(A) Inorganic impurities	
	(B) India		(B) Organic impurities	
	(C) France		(C) Gaseous impurities	
	(D) Italy		(D) None of the above	

- The existence of dead or decaying animal matter in the water is indicated by the presence of
  - (A) Ammonia
  - (B) Calcium carbonate
  - (C) Sodium sulphate
  - (D) Magnesium carbonate
  - Torch test is associated with
    - (A) Tuberculosis
    - (B) Toxoplasmosis
    - (C) Typhoid
    - (D) None of the above
  - Cutaneous larva migrans is an example of
    - (A) Sapro-anthropozoonosis
    - (B) Sapro-amhixebnosis
    - (C) Sapro-meta-anthropozoonosis
    - (D) None of the above
  - 93. Darling disease is otherwise known as
    - (A) Histoplasmosis (B) AIDS And add to anoth (C)

    - (C) Scarlet fever
    - (D) None of the above
  - Zoonosis due to animal organ transplantation is
    - (A) Xenozoonosis
    - (B) Anthropozoonosis
    - (C) Amphixenosis
    - (D) None of the above
  - Zoonotic disease frequently associated with bird and bat habitats
    - (A) Rabies
    - (B) Histoplasmosis
    - (C) Anisakisasis
    - (D) None of the above

- Bull Sperm sexing can be done by
  - (A) Spectrophotometer
  - (B) Bovine Photometer
  - (C) Electron microscope
  - (D) Flow cytometer
  - Which of the following is usually 97. transmitted venereally in cow
    - (A) Brucellosis
    - (B) Aspergillosis
    - (C) Tuberculosis
    - (D) Trichomoniasis
  - Double dose of prostaglandin is usually 98. given in synchronization protocol in dairy cow
    - (A) 10 days apart
    - (B) 11 days apart
    - (C) 21 days apart
    - (D) 7 days apart
    - Which of the following is not a method 99. of pregnancy diagnosis in animals?
      - (A) Ultrasonography
      - (B) Radiography
      - (C) Angiography
      - (D) Cuboni Test
    - 100. Which of these two hormones are produced from placenta in some of the species
      - (A) Relaxin and lactogen
      - (B) Progesterone and estrogen
      - (C) hCG and PGE<sub>2</sub>
      - (D) All of the above

101.	Match the List-I (Pass) with	List-II			
	(State) and choose the correct	answer			
	from the codes given below:				

List - I (Pass)

List - II (State)

- a) Nathula
- i) Jammu and Kashmir
- b) Shipkila
- ii) Sikkim
- c) Burzil
- iii) Arunachal Pradesh
- d) Bomdila
- iv) Himachal Pradesh
- (A) a-ii, b-i, c-iii, d-iv
- (B) a-iv, b-ii, c-iii, d-i
- (C) a-ii, b-iv, c-i, d-iii
- (D) a-iii, b-ii, c-iv, d-i

## 102. Sandalwood trees are found in

- (A) Tropical evergreen forest
- (B) Tropical thorn forest
- (C) Tropical deciduous forest
- (D) Montane forest
- 103. In which of the following species does the male have mammary glands to feed milk to its young?
  - (A) Sunda Flying Lemur
  - (B) Blue Whale
  - (C) Dayak Fruit Bat
  - (D) Polar Bear
- **104.** The waves used in common TV remote control are
  - (A) X-Rays
  - (B) Ultra-violet Rays
  - (C) Infra red Rays
  - (D) Gamma Rays

- 105. Random Access Memory (RAM), a form of computer storage, is a \_\_\_\_\_\_ memory
  - (A) Non-volatile
  - (B) Volatile
  - (C) Permanent
  - (D) Secondary
- **106.** In humans trisomy of chromosome number 21 is responsible for
  - (A) Haemophilia
  - (B) Klinefelter syndrome
  - (C) Turner syndrome
  - (D) Down syndrome
- 107. Who among the following is first Lokpal of India
  - (A) P.N. Bhagwati
  - (B) P.C. Ghosh
  - (C) D.K. Jain
  - (D) Dalbir Bhandari
- 108. India's first fully organic state is
  - (A) Arunachal Pradesh
  - (B) Kerala
  - (C) Rajasthan
  - (D) Sikkim
- **109.** Kadaknath chicken meat which recently received Geographical Indication (GI) is associated with
  - (A) West Bengal
  - (B) Rajasthan
  - (C) Madhya Pradesh
  - (D) Uttar Pradesh

115. The release of which one of the 110. India was declared free from trachoma following into ponds and wells helps in which is a \_\_\_\_\_ infection of controlling the mosquitoes? the eye (A) Crab (A) Bacterial (B) Dogfish (B) Viral (C) Gambusia fish (C) Fungal (D) Snail (D) Auto Immune 116. Nagoya Protocol is related to 111. Mission Shakti is related with (A) Climate change (A) Women Empowerment (B) Ozone depletion (B) Anti-Satellite weapon (C) Hazardous waste (C) Nuclear energy (D) Biodiversity (D) Support for divyaangs 117. Which of the following rights was 112. Which of the following gas is found in considered the "Heart and Soul" of the least amount in the atomosphere Indian constitution by Dr. B.R.Ambedkar? (A) Ozone (A) Freedom of speech (B) Helium (B) Right to equality (C) Hydrogen (C) Right to freedom of religion (D) Neon (D) Right to constitutional remedies 113. As per 2011 census, which among the 118. Recipient of Rajiv Gandhi Khel Ratna following states registered highest award-2018 Saikhom Mirabai Chanu is literacy rate? associated with (A) Jammu and Kashmir (A) Wrestling (B) Arunachal Pradesh (B) Weightlifting (C) Rajasthan (C) Badminton (D) Uttar Pradesh (D) Shooting 114. The Project Snow Leopard to conserve 119. RERA is a regulatory body for the endangered species, launched by the (A) Telecommunication union ministry of environment and (B) Real Estate forests covers the states of (C) Insurance (A) Jammu and Kashmir and Himachal (D) Banking Pradesh only (B) Jammu and Kashmir, Himachal 120. Who appeared as a state guest for honor Pradesh and Uttarakhand only for republic day 2019-

(C) Jammu and Kashmir, Himachal

(D) Jammu and Kashmir, Himachal

Arunachal Pradesh only

Pradesh and Sikkim

Pradesh, Uttarakhand and

Pradesh, Uttarakhand, Arunachal

(A) Cyril Ramaphosa

Nahyan

Sultan Hassanal Bolkiah

(D) Sheikh Mohammed Bin Zayad Al

(B) Hun Sen

(C)