IB Security Assistant QP 2

If x is subtracted from 10 and the 1. difference is divided by 2, the result is 3. Find x? A. 3 B. 4 C. 5 D. 16 Ans. B. Sol. according to question- $\frac{1}{2}(10 - x) = 3$ 10-x=6 X=42. A dress is sold for Rs. 100 after a 20% discount. What is the original sale price? A. Rs. 150 B. Rs. 125 C. Rs. 120 D. Rs. 80 Ans. B. Sol. Let price be Rs. x Then, $X \times \frac{80}{100} = 100$ X=RS.125 3. If sum of two numbers is 4 times of their difference, find the numbers? A. 5, 3 B. 6, 2 C. 8, 0 D. 7, 1 Ans. A. Sol. Let number be 'a' and 'b' Then, a+b=4(a-b)a+b=4a-4b3a=5b $\frac{a}{b} = \frac{5}{3}$ 4. Solve: 6 - 3(6 - 3) = ?A. 3 B. - 3 C. 0 D. 9 Ans. B. Sol. ?=6-3×3 ?=6-9 ?=-3 Solve: $10^3 \times (5 \times 2)^{-3} = ?$ 5. A. 1 B. 0 C. 10⁶ D. $(5 \times 2)^{-3}$ Ans. A.

Sol. $\Rightarrow 10^3 \times 10^{-3}$ $\Rightarrow \frac{1000}{1000} = 1$ 6. Which of the following are not sides of a right angle triangle? A. 3, 4, 5 B. 12, 5, 13 D. 4, 5, 6 C. 4, 4, 4√2 Ans. D. Sol. In any right triangle, the area of the square whose side is the hypotenuse (the side opposite the right angle) is equal to the sum of the areas of the squares whose sides are the two legs (the two sides that meet at a right angle) (The Pythagorean theorem). Option (A), (B), (C) are forming triplets while Option (D) fails to form a triplet. By going through the options, option (D) is not satisfying the given condition. Find the sum of all numbers from 1 to 59: A. 1770 B. 1590 C. 1950 D. 1750 Ans. A. Sol. We know that, The sum of first n natural number= $\frac{n(n+1)}{2}$ Here, n=59So, required sum = $59 \times \frac{60}{2}$ = 17708. What should be the next number in the series: 5, 8, 14, 26, 50 A. 96 B. 68 C. 70 D. 98 Ans. D. Sol.

9.	Select	related	d١	words	from	the
	alternat	ives -	- E	Book:	Booke	r ::
	Movie:		_			
	A. Actor		E	. Osca	ır	
	C. Theatre		D	D. Director		
Ans.	В.					

Sol.

Man booker is a price given to best book in English translation similarly, Oscar is awarded for excellence in cinema.

10. A earns more than B and less than C. D earns more than A and C. E earns more than B. Who earns the least?

A. A	B. B
C. C	D. D

Ans. B.

Sol.



L

Position of E among A,C and D is not given in the given statement but E earns more than B, and B earns least among A,C and E, so B is the least earner among All.

- 11. The line demarcating the boundary between India and China is the: A. Durand Line
 - A. Durand Line B. Radcliffe Line
 - C. McMahon Line
 - D. Stratford Line
 - D. Stratioru Line

Ans. C. Sol.

> McMahon Line-line demarcating the boundary between India and China. Durand Line - frontier boundary between Afghanistan and India. Radcliffe Line boundarv demarcation line between the Indian and Pakistan The Stratford- Okahukura is Line (SOL) а secondary railway line in the North island of New Zealand, between the Marton-New Plymouth line and the North

Island main trunk railway , with 15 intermediate stations.

- 12. What is 'Mixed Farming'? A. Growing rabi as well as kharif crops B. Growing several crops C. Growing several crops and also raising livestock D. Growing sugarcane as well as cereals Ans. C. Sol. Mixed Farming' can be defined as a system of farming which involves the growing of crops as well as the raising of livestock. 13. The 'Khetri project' in Rajasthan is
- famous for the production of: A. Zinc B. Steel C. Copper D. Aluminium
- Ans. C.
- Sol. The 'Khetri project' in Rajasthan is famous for the production of copper. Khetri Nagar in Rajasthan is well known for its Copper Project, was built by Hindustan Copper Limited, a public sector undertaking under the GoI.
- 14. Who is known as 'Punjab Kesari' among the freedom fighters?
 - A. Bhagat Singh
 - B. Lala Lajpat Rai
 - C. Chandra Shekhar Azad
 - D. Lala Hardyal
- Ans. B.
- Sol. Lala Lajpat Rai (1865-1928) was popularly known as Punjab Kesari. He played a pivotal role in Indian freedom struggle. He played an important role in activities that led to the setting up of Punjab national bank. He was a part of Lal-Bal-Pal trio.
- 15. The eight-fold path of righteousness was prescribed by:
 - A. Kabirdas
 - B. Buddha
 - C. Shankaracharya D. Mahavira

D. Ma

- Ans. B.
- Sol. The eight-fold path of righteousness was prescribed by Buddha for his followers. He also enunciated that

by means of this path the followers can put an end to their suffering. Eight fold path consists of:

- Right view
- Right Intention
- Right Speech
- Right Action
- Right livelihood
- Right Effort
- Right Mindfulness
- Right Concentration
- 16. From which part of the plant is turmeric obtained?

А.	ROOT	в.	Fruit
C.	Seed	D.	Stem

Ans. D.

Sol.

Turmeric (*Curcuma longa*) is obtained from underground stem or rhizome. It is used as a condiment.

- 'Bharat Ratna' has been awarded to only two foreigners so far. One of them is Nelson Mandela, and the other is:
 - A. Abdul Wali Khan
 - B. Mikhil Gorbachev
 - C. Khan Abdul Gaffar Khan
 - D. Marshal Tito

Ans. C.

- Sol. Bharat Ratna is the highest civilian award of the republic of India. It was instituted in 1954. It is given in recognition of exceptional performance of highest order. It is by far awarded to two foreigners:-Khan Abdul Gaffar Khan (1987) Nelson Mandela (1990)
- Tansen Samman has been instituted by the government of? A. Maharashtra
 - B. Gujarat
 - C. Madhya Pradesh
 - D. Uttar Pradesh
- Ans. C.
- Sol. Tansen Samman has been instituted by the government of Madhya Pradesh in the Gwalior district. It is celebrated every year in the month of December to pay tribute to the Indian maestro Tansen. Musicians from all over the

world gather in this 4 day musical extravaganza.

- 19. The only Indian to win the Nobel prize in physics:
 - A. Dr. Vikram Sarabhai
 - B. Dr. J.C. Bose
 - C. Dr. H.J. Bhabha
 - D. Dr. C.V. Raman
- Ans. D.
- Sol. Dr. Chandrashekhar Venkat Raman is the only Indian to win the Nobel prize in physics in the year 1930 for his research on 'scattering of light' and discovery of 'Raman Effect.'
- 20. The highest mountain peak in India is:
 - A. Kanchanjunga
 - B. Mount Everest
 - C. K2
 - D. Nanga Parbat

Ans. A.

Sol. **Kangchenjunga** is the highest mountain peak in India and is the third largest in the world. It is located at the indo-Nepal border in the great Himalayan range. It has an elevation of 8586m.

Mountain Everest (8848m), situated on the border of Tibet and Nepal is the world's highest peak.

K2 or Mount Godwin Austin has an elevation of 8,611m and is the second highest mountain in the world.

Nanga Parbat with elevation 8,126 m is second highest mountain of Pakistan.

- 21. The distinguished Indian actress who died in 2014 at the age of 102 was:
 - A. Zohra Sehgal
 - B. Jiah Khan
 - C. Nanda
 - D. Suchitra Sen
- Ans. A.
- Sol. Veteran actress and theatre artist Zohra Sehgal died at a hospital in New Delhi at the age of 102 on 10 July 2014.
- The former Chief Justice of India who has been appointed as Governor of Kerala is:

- A. K.G. Balakrishnan
- B. P. Sathasivam
- C. R.M. Lodha
- D. M.N.R. Venkatachalaiah

Ans. B.

- Sol. P. Sathasivam has been appointed as Governor of kerala. He was former Chief justice of India. He succeeded Sheila Dikshit.
- 23. There is a certain relationship between each pair given on either side. identify the relationship and find the missing term from the options:

PALE : LEAP : : POSH : ___ A. HSOP B. POHS C. SHOP D. PSOH

Ans. C.

Sol.



24. The Shanti Swaroop Bhatnagar award is given by which of the following organisations? A. ISRO

B. Council of Science & Industrial Research

C. Indian Council of Agricultural Research

D. Indian National Sci<mark>ence A</mark>cademy Ans. B.

Sol.

Shanti Swaroop Bhatnagar award is presented by CSIR or Council of Science & Industrial Research. It was first instituted in 1958.

It is a multi-disciplinary science award and is given for notable and outstanding research, applied or fundamental, in biology, chemistry, environmental sciences and other sciences.

25. The Kudankulam Nuclear Power plant which was commissioned last year (2013), was constructed following an agreement between the Government of India and which country?

A. France

B. Russia

C. USA D. UK

Ans. B.

- Sol. The Kudankulam Nuclear Power plant which was commissioned last year (2013), was constructed following an agreement between the Government of India and Russia.
 - It is located in the Tirunelveli district of Tamil Nadu.
 - It is developed by Nuclear Power Corporation of India.
- 26. What is the name of the Indian diplomat who was charged with 'visa fraud' leading to a diplomatic standoff between India and USA? A. Akash Singh Rathore
 - B. Devyani Khobragade
 - C. Sangeeta Richard
 - D. Preet Bharara
- Ans. B.
- Sol. Devyani Khobragade, an Indian diplomat was charged with 'visa fraud' leading to a diplomatic standoff between India and USA.
- 27. The Commonwealth games 2014 were held in:
 - A. Glasgow B. Scotland
 - C. Dubai D. Ireland

Ans. B.

- Sol. The 20th Commonwealth Games was held in Glasgow, Scotland.
 - It saw participation of 6,500 athletes from 71 countries and territories competed in 17 sports over 11 days.

28. Admiral D.K. Joshi resigned as Naval Chief following a fire on which submarine in February 2014?

- A. INS Sindhurakshak
- B. INS Sindhuratna
- C. INS Sindhughosh
- D. None of the above
- Ans. B.
- Sol. Admiral D.K. Joshi resigned as Naval Chief following a fire on INS Sindhuratna submarine in February 2014.

There were no weapons or ammunitions on the Russian origin kilo class submarine.

- 29. The Chief Minister of Andhra Pradesh is:
 A. N. Chandrababu Naidu
 B. K. chandrasekhar Rao
 C. K. Rosaiah
 - D. Kiran Kumar Reddy

Ans. A.

- Sol. N. Chandrababu Naidu is the chief minister of Andhra Pradesh.
 - K. Chandrasekhar Rao is the chief minister of Telangana.
 - K. Rosaiah was the former chief minister of Andhra Pradesh.
 - Kiran Kumar Reddy served as the last chief minister of Andhra Pradesh before Telangana was formed.
- 30. Which is the third largest party in the 16th Lok Sabha?
 - A. Trinamool Congress
 - B. INC
 - C. AIADMK
 - D. BJD
- Ans. C.
- Sol. **AIADMK** or All India Anna Dravida Munnetra Kazhagam is the third largest party in the 16th Lok Sabha with 37 seats. BJP took the first position with 267 seats and INC took the second spot with 44 seats.
- 31. What is the highest peacetime gallantry award in India? A. Ashok Chakra
 - B. Kirti Chakra
 - C. Paramvir Chakra
 - D. Shaurya Chakra

Ans. A.

- Sol. **Ashok Chakra** is the highest peacetime gallantry award in India. It is equivalent of Param Vir Chakra. It is awarded for showcasing exceptional bravery or self-sacrifice other than in the face of the enemy.
 - **Kirti Chakra** is an Indian military decoration awarded for valor or self-sacrifice away from the battlefield. It can be awarded to civilians and military personnel.
 - It is also awarded posthumously. It is a peacetime equivalent to Maha vir chakra. It is second in precedence of peacetime gallantry awards.

- Paramvir Chakra
- Shaurya Chakra
- 32. In India seats are not reserved for women in:
 - A. Panchayati Raj Bodies
 - B. Parliament
 - C. Both (i) and (ii)
 - D. Neither (i) nor (ii)
- Ans. D.
- Sol. In India seats are reserved for women in both Parliament & Panchayati Raj Bodies. The Constitution (108 Amendment) Bill, 2008 seeks to reserve one-third of all seats for women in the Lok Sabha and the state legislative assemblies.
- 33. The number of languages listed in the Eighth Schedule of the Indian Constitution are:A. 18B. 14
 - C. 22 D. 19
- Ans. C.
- Sol. The Eighth Schedule to the Constitution consists of the 22 following languages:-(1)Assamese, (2) Bengali, (3)Gujarati, (4) Hindi, (5) Kannada, (6) Kashmiri, (7) Konkani, (8) Malayalam, (9) Manipuri, (10) Marathi, (11) Nepali, (12) Oriya, (13) Punjabi, (14) Sanskrit, (15) Sindhi, (16) Tamil, (17) Telugu, (18) Urdu (19) Bodo, (20) Santhali, (21) Maithili and (22) Dogri.
- 34. The members or Rajya Sabha are elected by:A. Elected members of Legislative CouncilB. The people
 - B. The people
 - C. Lok Sabha

D. Elected members of the Legislative Assembly

- Ans. D.
- Sol. Members of Rajya Sabha are elected by the legislative assemblies of the various states. Rajya Sabha is a permanent body. It is not subject to dissolution but one-third of its members retire every two years.

- 35. Which one of the following is not a fundamental right?
 - A. Right to property
 - B. Right to assemble peacefully
 - C. Right to move freely throughout the country

D. Right to constitutional remedies

- Ans. A.
- Sol. Right to property is not а fundamental right as it was deleted under Forty-Fourth Amendment of 1978 from the list of fundamental rights. However, a new provision, Article 300-A, was inserted to ensure that "no person shall be deprived of his property save by authority of law".
- 36. A chemical reaction in which heat is given out along with the products is known as:
 - A. Exothermic reaction
 - B. Isothermic reaction
 - C. Hypothermic reaction
 - D. Endothermic reaction
- Ans. A.
- Sol. Exothermic reactions are reactions that release energy into the environment in the form of heat. For eg all combustion reactions. Endothermic reaction are reactions in which heat is absorbed .
- 37. The acid produced by the human stomach to aid digestion is: A. Nitric acid
 - B. Hydrochloric acid
 - C. Sulphuric acid
 - D. None of the above
- Ans. B.
- Sol. HCl is released by the parietal or oxyntic cells of stomach which helps in activation of certain enzymes involved in digestion thus aiding in digestion.
- 38. Tomato is a natural source of which acid?
 - A. Tartaric acid B. Oxalic acid
 - C. Acetic acid D. Citric acid
- Ans. B.
- Sol. Tomato is a natural source of oxalic acid. Oxalic acid is found in tomato in moderate amount.

- In computer output devices 'TFT' is related to video display unit. TFT stands for:
 - A. Thin Film Transistor
 - B. Thin Form Tablet
 - C. Thin Film Triode
 - D. None of the above
- Ans. A.
- Sol. TFT stands for Thin Film Transistor. They are used in liquid crystal displays. TFT technology is also known as active-matrix displays and these are higher in quality than displays used earlier.
- 40. An allotrope of carbon that is a conductor of electricity is:A. Diamond B. GraphiteC. Lignite D. Coal

Ans. B.

- Sol. Graphite conducts electricity due to vast electron delocalization within the carbon layers. The electrons moves freely and thus are able to conduct electricity.
- 41. The chambers of the heart which pumps blood from the heart into various organs are called:
 - A. Ventricles B. Arteries
 - C. Veins D. Nerves

Ans. A.

- Sol. Ventricles are the chambers of hearts that receives blood from atrium and after the blood is filled from atrium to ventricle, it is forced into arteries and carried to different organs of the body.
- 42. The Scientist who found the relationship between the current flowing in a metallic wire and the potential difference across its terminals was:
 - A. George Simon Ohm
 - B. Michael Faraday
 - C. Enrico Fermi
 - D. G.R. Kirchhoff
- Ans. A.
- Sol. In 1827, a German physicist Georg Simon Ohm gave the relationship between the current I, flowing in a metallic wire and the potential difference across its terminals. According to him, the electric current flowing through a metallic

wire is directly proportional to the potential difference V, across its ends provided its temperature remains constant. This is termed as Ohm's law.

V/I = constant = R, or

V = IR, where R is a constant for the given metallic wire at a given temperature and is called its resistance.

43. Which of the following is not a certification of quality standard for goods?

A. Agmark	B. Hallmark
C. ISI	D. BIS

Ans. D.

Sol. **ISI** is a certification marks scheme which is operated by BIS or bureau of Indian standards. BIS was earlier known as Indian Standards Institute. It is used for various goods such as cement, LPG cylinder, water, medical equipments etc.

Agmark is a certification which is done for agricultural goods. These includes pulses, essential oils, fruits and vegetables etc.

Hallmark as part of certification scheme was launched by BIS on behest of GoI. It is voluntary in nature. It is found on gold and silver jewellery.

44. The change in the focal length of lens in the human eye is caused by the action of:

A. Pupil B. Retina

C. Ciliary muscles D. iris

Ans. C.

- Sol. The change in the focal length of lens in the human eye is caused by the action of ciliary muscles. These muscles relaxes and tightens the zonules and enables the lens to change shape in order to focus.
- 45. The phenomenon of electromagnetic induction is:
 A. The process of charging a body
 B. the process of generating magnetic field due to a current passing through a coil

C. producing induced current in a coil due to a relative motion between a magnet and a coil D. the process of rotating a coil of an electric motor

Ans. B.

- Sol. **Electromagnetic induction** is a phenomenon of production of e.m.f. and hence current in a conductor or coil when the magnetic flux linking the conductor or coil changes.
- 46. The art of predicting future course of human lives with the help of the movement of stars is called:
 - A. Astronomy
 - B. Astrology
 - C. Astronautics
 - D. Aeronomy

Ans. B.

- Sol. The art of predicting future course of human lives with the help of the movement of stars is called **Astrology.**
 - **Astronomy** is the scientific study of celestial bodies such as stars, planets and galaxies and other phenomena outside of Earth.
 - **Aeronomy** is the scientific study of upper atmospheric regions of Earth or other planetary atmosphere. includes It of distribution temperature, density and other chemical constituents.
 - **Astronautics** involves the science and technology of space travel and exploration.

47. Match the following:

I. Fathometer	A. Revolutions per minute	
II. Lactometer	B. Relativehumidity	
III. Hygrometer	C. Specific gravity of milk	
IV. Tachometer	D. Depth of sea	

A. I-A, II-B, III-C. IV-D B. I-D, II-C, III-B. IV-A C. I-D, II-B, III-C. IV-A D. I-A, II-C, III-D. IV-B

Ans. B.

- Sol. Fathometer is used to measure the depth of sea.
 - Lactometer is used to measure specific gravity of milk.
 - Hygrometer is used to measure relative humidity in the atmosphere.
 - Tachometer is used to measure revolutions per minute in a motor or other machine.
- 48. A piece of rock is taken from the moon to earth, then its:
 - A. Mass will change
 - B. Both mass & weight will changeC. Mass will remain constant, weight will change
 - D. None of the above
- Ans. C.
- Sol. When a piece of rock is taken from the moon to earth, then its mass will remain constant while its weight changes. The weight becomes onesixth of what it was on Earth.
- 49. Triple Antigen DPT given to infants provides immunity against:
 - A. Whooping cough
 - B. Typhoid
 - C. Small pox
 - D. Polio
- Ans. A.
- Sol. Triple Antigen DPT given to infants provides immunity against three diseases:
 - Diptheria
 - Pertussis or whooping cough
 - Tetanus
- 50. The maximum percentage of the mixture of gases in the atmosphere is:
 - A. Oxygen
 - B. Nitrogen
 - C. Carbon-di-oxide
 - D. Helium
- Ans. B.
- Sol. Nitrogen is the gas which is found in abundance in the atmosphere. Air comprises 78 % of Nitrogen, 21% of Oxygen and 0.9 % of inert noble gas argon.

- 51. Rickets is a disease caused due to deficiency of:
 - A. Vitamin A B. Vitamin B
 - C. Vitamin C D. Vitamin D

Ans. D. Sol.

- **Rickets** is a **disorder** caused by a **deficiency** of vitamin D, calcium, or phosphate.
- Rickets leads to various bone deformities **due** to poor mineralization with calcium and phosphate.
- 52. First woman cosmonaut in space is: A. Valentina Vladimirovna Tereshkova
 - B. Kalpana Chawla
 - C. Sally Ride
 - D. Claudie Haignere
- Ans. A.
- Sol.
- Soviet cosmonaut Valentina

Vladimirovna Tereshkova became the **first woman** to fly to **space** on the **Vostok 6** mission June 16, 1963.

- 53. Which media have the ability to have data/information stored (written) on them by users more than once?
 - A. CD-RW disk B. CD-R disk
 - C. Optical disk D. Zip disk
- Ans. A.
- Sol.
 - CD-RW stands for CD Rewritable.
 - A **CD-RW disc** is a compact **disc** that can be re-written and read arbitrarily many times.
 - CD-R stands for CD Recordable. CD-R discs can be written only once.
- 54. Virus stands for:

A. Virtual Information Resource Under Seize

B. Very Important Resource Under Search

C. Very Important Record Under Search

D. Verify Interchange Result Until Source

Ans. A

Sol.

- Virus stands for Vital Information Resource under Seize.
- A computer virus is a program or a piece of code that is loaded onto your computer without your knowledge and run against user's consent.
- **Virus** has a property to replicate itself.
- 55. The 100 rupee currency note of India carries the signature of:
 - A. Governor, RBI
 - B. Secretary, Ministry of Finance
 - C. President of India
 - D. Finance Minister

Ans. A.

Sol.

- The One Rupee note is issued by Ministry of Finance and it bears the signatures of Finance Secretary while all other notes bear the signature of Governor RBI.
- ₹ **100 banknote** is a 157 × 73 mm Blue-green coloured bearing signature of governor of RBI.
- 56. In a discussion on terrorism, what is the full form of LeT?
 - A. Light emitting Triode
 - B. Low emission Triangle
 - C. Lashkar-e-Taiba
 - D. None of the above

Ans. C.

Sol.

- Lashkar-e-Taiba is one of the largest and most active Islamic terrorism terrorist organizations in South Asia, operating mainly from Pakistan.
- It was founded in 1987 by Hafiz Saeed, Abdullah Azzam and Zafar Iqbal in Afghanistan.
- 57. Late Smt M.S. Subbulakshmi distinguished herself in the field of:

A. Vocal music

- B. Kathak
- C. Bharatnatyam
- D. Veena

Ans. A.

- Sol.
 - Madurai Shanmukhavadivu Subbulakshmi was an Carnatic singer based in Madurai, Tamil Nadu.
 - She was the first musician ever to be awarded Bharat Ratna, India's highest civilian honour.
 - She is the first Indian musician to receive the Ramon Magsaysay award.
- 58. Pulitzer prize is awarded for outstanding work in the field of:
 - A. Environmental studies
 - B. Science and Technology
 - C. International understanding
 - D. Literature & Journalisms
- Ans. D.
- Sol. Pulitzer prize is awarded for outstanding work in the field of Literature & Journalisms in the US.
 - It was instituted in 1917 by Joseph Pulitzer who was a newspaper publisher.
 - It is administered by Columbia University in New York.
 - It is given in 21 categories.
- 59. Which of the following is not part of the famous "Lal-Bal-Pal" trio of Indian freedom struggle?
 - A. Lala Lajpat Rai
 - B. Bipin Chandra Pal
 - C. Bal Gangadhar Tilak
 - D. Lala Balendu Pal

Ans. D.

- Sol.
 - Lala Balendu Pal is not part of the famous "Lal-Bal-Pal" trio of Indian freedom struggle.
 - Lala Lajpat Rai, Bal Gangadhar Tilak and Bipin Chandra Pal formed the famous "Lal-Bal-Pal" trio of Indian freedom struggle

C. Godavari D. Narmada who advocated swadeshi movement. Ans. D. • They boycotted all imported items Sol. and the use of Indian-made goods • Except Narmada and in 1907 during the anti-Partition Tapti, **all** the **rivers** in peninsular agitation in Bengal which began in plateau 1905. are flowing towards East. 60. Hirakud Dam is located in which The Narmada, also called the Rewa state: and previously also known as A. West Bengal B. Jharkhand Nerbudda, is a river in central India C. Odisha D. Andhra Pradesh after the Godavari, and the Krishna. It is also known as "Life Line of Ans. C. Gujarat and Madhya Pradesh" . Sol. The source of the Narmada river is Hirakud Dam is built across Amarkantak. the **Mahanadi** River, about 15 64. The Desert is mainly located in kilometres (9.3 mi) which state? from **Sambalpur** in the state B. Punjab of **Odisha** in **India**. A. Gujarat C. Rajasthan D. Haryana 61. A, B and C are sisters. D is the brother of E. E is the daughter of B. Ans. C. How is A related to D? Sol. Desert refers to a very dry area where only few plants and animals A. Sister B. Cousin are able to survive. C. Niece D. Aunt • More than 60% of the desert lies in Ans. D. the state of **Rajasthan**, and the Sol. region extends into Gujarat, **Punjab**, and Haryana. People of which state celebrate the 65. festival of 'Onam'? A is aunt E is the doughter A. Karnataka of D B. Andhra Pradesh C. Kerala Brother D. Tamil Nadu "1984" (Nineteen eighty four) is a 62. Ans. C. novel written by: Sol. A. Jane Austen Onam is the harvest festival B. Indira Gandhi celebrated in Kerala. C. Eric Arthur Balair or George • This festival celebrates arrival of Orwell new crops. D. James Joyce This festival is celebrated in the Ans. C. Malayali month of Chingam (Aug Sol. "1984" (Nineteen eighty four) is a - Sep). dystopian novel written by George • It marks the homecoming of Orwell . legendary King Mahabali who is believed to be the greatest king It got published in June 1949. • The novel was challenged for being ever in Kerala. procommunism in Florida. 66. FDI stands for: All rivers in India flow to the east to 63. A. Fair Deal Institute

- reach Bay to Bengal except:
- A. Ganga B. Krishna

B. Foreign Diplomatic Institution

- C. Foreign Direct Investment
- D. None of the above
- Ans. C.

Sol.

- FDI stands for Foreign direct investment.
- **FDI** is an investment in a business by an investor from another country for which the foreign investor has control over the company purchased.
- 67. Sardar Vallabh Bhai Patel national Police Academy is located in which city?
 - A. Ahmedabad
 - B. Faizabad
 - C. Hyderabad
 - D. Sleemanabad

Ans. C.

Sol.

- Sardar Vallabh Bhai Patel national Police Academy is located in Hyderabad city.
- It is the national institute for training of **Indian** Police Service (IPS) officers.
- It was instituted on 15 Sep 1948 and was named after deputy prime minister sardar Vallabh bhai Patel.
- 68. Who is the Comptroller & Auditor General of India?

A. V.N. Rai

- B. Shashikant Sharma
- C. R.K. Singh
- D. None of the above

Ans. D.

Sol.

- The current CAG of India is Rajiv Mehrishi, who assumed office on 25 September 2017. He is the 13th CAG of India.
- The CAG is mentioned under Article 148 – 151 in the Constitution of India.
- **CNG** audits all receipts and expenditure of the Government of India and the state governments.
- 69. BND is Germany is associated with:

- A. Football
- B. Intelligence Agency
- C. Political party
- D. None of the above

Ans. B.

- Sol. BND or Federal Intelligence Service is intelligence service of Germany.
 - Its headquarters are located in Central berlin.
 - It is world's largest intelligence headquarters.
 - It was founded in 1956 during cold war.
- 70. What are the dimensions of a Badminton Court?
 - A. 44 feet × 23 feet
 - B. 40 feet × 22 feet
 - C. 44 feet \times 22 feet
 - D. 20 feet \times 44 feet

Ans. D.

Sol.

- The overall dimensions of a badminton court are **20 feet** × **44 feet.**
- The net is **1.55 metres** (5 ft **1 inch**) high at the edges and 1.524 metres (5 ft) high in the centre.
- 71. Who was the Commander of the 'Harawal Dasta' commando contingent of the Army of Maharana Pratap?
 - A. Hakim Soor
 - B. Ibrahim Gardi
 - C. Shakti Singh
 - D. Amar Singh Rathore

Ans. A.

- Sol. Hakim soor was the Commander of the 'Harawal Dasta' commando contingent of the Army of Maharana Pratap.
 - Hakim Khan Suri was also known as Hakim Khan Sur Pathan.
 - He died in 1576 during battle of Haldighati.
- 72. Wheat is a:
 - A. Kharif crop B. Rabi crop

C. Purwai crop

D. None of the above

Sol.

Crop	Season	Examples	
Rabi crops	Sown in winterHarvested in Spring	Wheat, Mustard, Barley, sesame etc.	
Kharif crops	 Sown in the beginning of the Monsoon season Harvested at the end of monsoon 	Bajra, Jowar, Maize, Soybean etc	
Zaid crops	• These crops are grown on irrigated lands which do not have to wait for monsoons, in the short duration between Rabi and Kharif crop season, mainly from March to June.	Watermelon, Cucumber and Bitter gourd etc.	

Ans. B.

- 73. Which of the following presidents was an eminent jurist? A. Dr. A.P.J. Kalam B. Dr. S. Radhakrishnan It C. Dr. Rajendra Prasad D. Dr. V.V. Giri The Ans. D. Sol. district. Dr. V.V Giri was an eminent jurist president. 76. He was a member of Vice-President for: of India and ex-officio Chairman of A. Social service Rajya Sabha, B. Cartoon • He was an acting President C. Satire & Essay • He was also the President of India D. Trade Union Activity from 24-8-1969 to 23-8-1974. Ans. C. He was awarded Bharat Ratna in 1975. 74. Kangaroos are animals found in: A. New Zealand B. England C. Australia D. Belgium state Ans. C. Sol. Kangaroo is a marsupial which is 93. native to Australia. 77. Kiwi is national animal of New malware? Zealand. A. Stuxnet C. Lion is the national animal of England. Ans. B. Belgic Lion is the national animal of Belgium. 75. "Gateway of India" is situated in: A. New Delhi B. Kolkata C. Mumbai D. Chennai Ans. C. called malware. Sol.
- The Gateway of India is situated in the city of **Mumbai**.
 - It was constructed in **1924.**
 - was designed by british architect, George Wittet.
 - monument overlooks the Mumbai harbour, bordered by the Arabian Sea in the Colaba
 - Sharad Joshi Samman is awarded
 - Sol. Sharad Joshi Samman is awarded for Satire and Essay. It is given to recognise remarkable works in essays and satire. It is given by government of Madhya Pradesh. It was instituted in 1992-
 - Which of the following is not a B. Insect

Virus	D.	Trojan

Sol. Malware, also known as malicious software, is any program or file that is harmful to a computer user. Viruses, worms, Stuxnet, Trojans, and bots belongs a class of software

- 78. An online social networking service which is sued to send text messages of 144 characters is:
 - A. Twitter B. Facebook
 - C. WhatsApp D. Instagram
- Ans. A.
- Sol. Twitter is an online social networking service which is used to send text messages of 144 characters.
- 79. The National Anthem of India "Jana Gana Mana" was composed by:
 - A. Rabindranath TagoreB. Bankim Chandra Chattopadhyay
 - C. Sarojini Naidu
 - C. Sarojini Naluu
 - D. Sharat Chander Chatterjee
- Ans. A.
- Sol. Jana Gana Mana" was composed by Rabindranath Tagore and was adopted on 24 Jan 1950.It was originally composed in Bengali as Bharoto Bhagyo Bidhata.
- 80. Tipu Sultan was also known as:A. Lion of MysoreB. Lion of Vijaynagar
 - C. Tiger of Mysore
 - D. Tiger of Karnataka
- Ans. C.
- Sol. Tipu Sultan (20 November 1750 4 May 1799) was known as the Tiger of Mysore.
 - He was the ruler of the Kingdom of Mysore from 1782 to 1799.
 - His capital was stormed by Britishers on May 4, 1799, and Tipu died leading his troops.
- 81. The word 'spurious' means: A. Genuine B. Authentic C. Substantial D. Fake
- Ans. D.
- Sol. 'Genuine', 'Authentic' and 'Substantial' are synonyms of each other. They all mean real or significant. 'Spurious' means fake or not real.
- 82. Which of the following is closest to the meaning of `nebulous'?A. Confused B. VagueC. indecent D. Glowing
- Ans. B.
- Sol. Nebulous means indistinct or unclear. Hence, the word closest to it is 'vague' which also means cloudy or hazy.

- 83. What is the opposite of 'wrong headed'?A. SillyB. Sane
 - C. Insane D. Insensible
- Ans. B.
- Sol. 'Wrong-headed' means obstinate or foolishly stubborn. Hence, the term opposite to it is 'sane' means reasonable or sensible.
- 84. If you have roses growing in your garden, you can make a lovely
 ______ of flowers at home.
 A. Bouquette B. Bucquete
 - C. Bouquete D. Bouquet
- Ans. D.
- Sol. 'Bouquet' means an arrangement of flowers or an attractively arranged bunch of flowers.
- 85. In times of crisis, people usually think _____God.
 - A. of B. about
 - C. with D. over
- Ans. A.
- Sol. 'of' is used after some verbs before mentioning somebody/something involved in the action.
- 86. I sat _____ the table to eat. A. on B. in C. at D. by
- Ans. C.
- Sol. 'Sit at the table' means to sit for eating or for dining purpose.
- 87. Are you taller than Shobha? No, but I am _____.
 - A. Taller B. Tallest
 - C. Almost as tall D. As taller
- Ans. C.
- Sol. Here to show equality we will use `almost as tall'.
- 88. She went to office ______six months.A. ForB. Since

D. Till

- C. Until
- Ans. A.
- Sol. 'For' is used to specify a period of time.'Since' is used to specify a point of time.'Until' means up to the time.

'Till' is used to denote time but more commonly used in an informal style.

89. Shalu got injured as she was _____ by a car.

- A. Knocked at
- B. Pushed down
- C. Knocked down
- D. Pulled down

Ans. C.

- Sol. 'Knocked down' means to hit by car and fall to the ground.
 Pushed down means to force someone or something downward.
 Pulled down means to bring to a lower level.
 Knocked at means to tap or bang on something.
- 90. Choose the correct spelling: A. Asumption B. Assumption C. Assamption D. Ajumption
- Ans. B.
- Sol. 'Assumption' means something that you accept as true without question or proof.
- 91. A group of goats is known as: A. Herd B. Heard C. Hard D. Hoard
- Ans. A.
- Sol. 'Herd' means a large group of animals that live together or are kept together as livestock. 'Heard' means be informed of . 'Hard' means difficult.
 'Hoard' means to accumulate and store away.
- 92. Mahatma Gandhi's martyrdom day is _____ on January 30. A. Celebrated
 - B. Commiserated
 - C. Commemorated
 - D. Observed
- Ans. D.
- Sol. 'Commiserate' means to sympathize. 'Commemorated' means to

remember officially and give respect to a great person or event, especially by a public ceremony.

- 'Observed' means to notice or perceive something as it is significant.
- 'Celebrated' means greatly admired or renowned.
- 93. She can speak both English and her mother tongue _____;
 A. Fluidly B. Fluently C. Fervently D. Frequently

Ans. B.

Sol. Fluently means an ability to express oneself easily and articulately.

Fluidly means in a way that flows easily. Fervently means enthusiastically or passionately.

Frequently means regularly or habitually.

Hence, of all the adverbs only fluently fits in the context of the sentence.

- 94. A good teacher _____students to achieve good results.
 - A. Emulates B. Mobilises
 - C. Motivates D. Improvises

Ans. C.

- Sol. Emulates means to imitate someone. Mobilises means make something
- movable or capable of movement Motivates means to incite someone or
- drive someone to do something. Improvises means create and perform
- spontaneously or without preparation.
- Hence, of all the choices only motivates fits in the context of the sentence.
- 95. The fireworks display was so bright that it _____ the entire sky.
 A. Illuminated B. Decorated
 C. Polluted D. Coloured

Ans. A.

- Sol. Illuminated is the correct verb that fits in the context of the sentence. It means to light up. Here it is used to show
- that the fireworks lit up the entire sky. Other options fails to fit in the context of the sentence.
- 96. The _____ person kept asking questions about everything.
 A. Imperceptible B. Inquisitive
 C. Imprudent D. Inquisition
- Ans. B.
- Sol. 'Inquisitive' is an adjective that describes the quality of being curious about everything or having an interest in learning things. Here the latter part of the sentence provides us with a hint that the person is curious about everything.

Therefore, to denote such a quality we will use an adjective 'inquisitive' before noun 'person'. Imperceptible means undetectable. Imprudent means unwise. Inquisition is a noun which means interrogation.

- 97. The teacher did not believe the student's excuse that the dog ate his homework. She accused the student of _____.
 - A. Explanation
 - B. Fabrication
 - C. Rationalisation
 - D. Ambivalence
- Ans. B.
- Sol. Fabrication means a lie which fits in the context of the sentence. Ambivalence means a state of having mixed feelings or doubt. Rationalisation means organizing something into a logically coherent system.

Explanation means reason.

- 98. Choose the wrongly spelt word:
 - A. Reverence B. Defference
 - C. Reference D. Difference

Ans. B.

Sol. Reverence means deep respect for something. Difference means variation. Reference means use of a source of information in order to ascertain

something. Deference means polite submission

- or respect. 99. You must try to be _____ for the appointment. A. On time B. At time C. Over time D. Before time
- Ans. A.
- Sol. 'On time' is a phrase of time which means well timed or things done as per schedule.
- 100. The children _____ in the evening but now they are studying. A. Played
 - B. Were playing
 - C. Are playing
 - C. Are playing
 - D. Have been playing
- Ans. B.
- Sol. Past continuous tense is used to describe the background in a story written in the past tense. To show the action that was continuous in past we will use 'were playing'.