

# **UPSSSC**

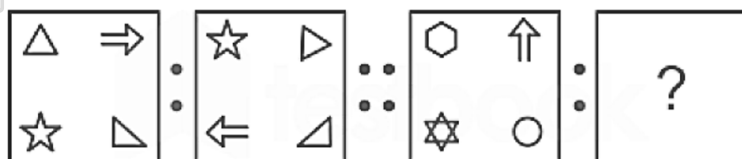
## **Previous Year Paper**

**Chakbandi Lekhpal  
(1 Oct 2019 Shift 1)**



## 150 Questions

**Que. 1** Choose the option which has the same relation with figure (C) as figure (B) has with figure (A)



- 1.
- 2.
- 3.
- 4.

Correct Option - 3

**Que. 2** Identify the odd word.

Square, triangle, rhombus, circle, parallelogram, rectangle, pentagon, hexagon

1. triangle
2. circle
3. rhombus
4. hexagon

Correct Option - 2

**Que. 3** The list below contains figures that have some commonality (common). From the options given below,

cylinder, cuboid, sphere, prism, pyramid, cube, identify the option that can be classified as part of this list.

1. rhombus
2. cone
3. square
4. parallel quadrilateral

Correct Option - 2

**Que. 4** Study the Venn diagram below and identify which option is correct in the context of the diagram.

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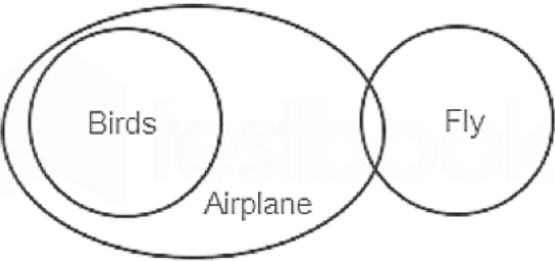
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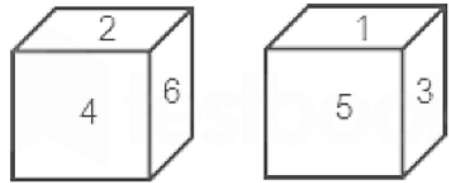
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- 1. Some birds are not airplanes.
- 2. All airplanes are birds.
- 3. All birds can fly.
- 4. Some airplanes can fly

Correct Option - 4

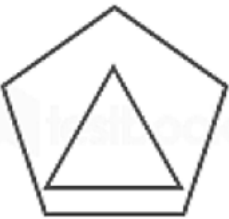
**Que. 5** Two positions of a die are shown below. If number 6 is exactly opposite to number 3, then which number will be exactly opposite to number 2?



- 1. 1
- 2. 4
- 3. 5
- 4. 6

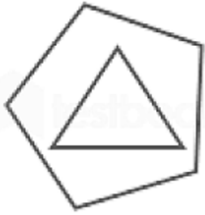
Correct Option - 1

**Que. 6** In the figure shown below, if the pentagon is rotated 270° counterclockwise once and the triangle is rotated 270° counterclockwise twice, what will be the resulting shape?

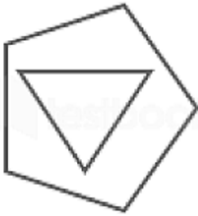


- 1.
- 2.

3.



4.



Correct Option - 4

**Que. 7** Choose the option which has the same relation with the third word as the second word is with the first word.

Kitchen : Refrigerator : Bathroom : ?

1. Television
2. Hot water source (Geyser)
3. Microwave oven
4. Sewing machine

Correct Option - 2

**Que. 8** In a certain code language, if BRAKES is written as TAGPNX and CLUTCH is written as IBEJWR, in what form will the word WHEELS be written?

1. TVMGFD
2. TVNEHB
3. XRJJHB
4. TVNFHB

Correct Option - 4

**Que. 9** In a certain code language, if RAMESH is written as SBNFTI and MITALI is written as NJUBMJ, then how will the word RANBIR be written?

1. SBOCJS
2. SCODIT
3. TBPDJT
4. TBPCES

Correct Option - 1

**Que. 10** Deepika is the mother-in-law of Priyanka whose husband is the father-in-law of Ranbir's wife. Salman is the only son of Deepika's husband while Katrina is the only daughter of Ranbir's mother. How is Salman related to Katrina?

1. Husband
2. Brother
3. Father
4. Grandfather

Correct Option - 3

**Que. 11** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements. .

**Statements :**

1. Some lions are cats.
- 2, All cats are tigers.
3. No tiger is an elephant.
4. All elephants are rabbits.

**Conclusions :**

- I) Some tigers are lions.
- II) No elephant is a lion.
- III) Some cats are elephants.
- IV) Some tigers are cats.

1. Only conclusion II follows.
2. Only conclusions I and III follow.
3. Only conclusions I and IV follow.
4. Only conclusions I follows

Correct Option - 3

**Que. 12** Choose the option which can replace the question mark (?) in the series given below.

SUPER, PSRUE, RPESU, ERUPS, ?, SUPER

1. PSRUE
2. UESRP
3. EURSP
4. USERP

Correct Option - 2

**Que. 13** Choose the number which can replace the question mark (?) in the series given below.

51, 44, 49, 42, 47, 40, 45, 38, ?

1. 31
2. 33
3. 43
4. 45

Correct Option - 3

**Que. 14** The age of two friends Ramesh and Rajesh is in the ratio of 4 : 3.

Which of the following information is additionally necessary to answer this question?

What is the average age of Ramesh and Rajesh?

1. Ramesh is 10 years older than Radha who is Rajesh's younger sister.
2. The age difference between Ramesh's father and Rajesh's mother is 8 years.
3. 6 years ago, the ratio of the age of Ramesh and Rajesh was 3 : 2.
4. When Rajesh was in senior KG, Ramesh was 12 years old.

Correct Option - 3

**Que. 15**

Five friends A, B, C, D and E are sitting in a row and watching the film. A and D are sitting at extreme ends while B is sitting exactly in the middle.

What additional information is needed to answer who sits next to A?

1. B sits immediately next to both C and E
2. C is not sitting next to D.
3. C is sitting next to B.
4. B sits next to E.

Correct Option - 2

**Que. 16** A is the brother of B and son of C and D. E is B's husband and F's father.

What additional information is needed to answer how C is related to A?

1. B is the only daughter of C and D.
2. D is the maternal grandfather of F.
3. F is the only grandson of C.
4. A is the son of C

Correct Option - 2

**Que. 17** In a certain code language, INCOME is written as HPENOG. How will SAVING be written in that code language?

1. RCVHPG
2. RECHIP
3. RCXHPI
4. RCXHPG

Correct Option - 3

**Que. 18** If MIND is written as IMDN in a code language, then how will GAME be written in that code language?

1. GEMA
2. MEGA
3. AGEM
4. EGAM

Correct Option - 3

**Que. 19** In the given series, one number is wrong. Choose that wrong number.

18, 22, 44, 48, 52, 100, 200

1. 48
2. 52
3. 100
4. 200

Correct Option - 2

**Que. 20** Choose the number which will come next in the following series.

3, 4, 13, 38, 87, 168, ?

1. 199
2. 289

3. 203
4. 259

Correct Option - 2

**Que. 21** If XAY means  $X^2 + Y^2$  is

XBY means  $X^2 - Y^2$  is

XCY means  $(X + Y)^2$  is

XDY means  $(X - Y)^2$  is

then what is true of the following?

1.  $(7C3) - (6D6) = -100$
2.  $(3C2) D (5B5) = 624$
3.  $(3A2) B (5C4) = 88$
4.  $216D256 = 1600$

Correct Option - 4

**Que. 22** If P + Q means that P is the sister of Q,

P ÷ Q means that P is the mother of Q

P × Q means that P is the brother of Q,

then which of the following means That A is D's aunt / Tai / Fufi ?

1.  $A ÷ E × D$
2.  $F ÷ A + E × D$
3.  $A + B ÷ C × D$
4.  $A × E + B × C ÷ D$

Correct Option - 3

**Que. 23** Choose the option which is related to the third word in the same way as the second word is related to the first word.

Pressure : Pascal :: Electric - Current : ?

1. Volt
2. Joule
3. Watt
4. Ampere

Correct Option - 4

**Que. 24** Read the given statement and conclusion carefully and decide which of the conclusion(s) logically follows from the statement(s).

**Statements:**

The changing times in Indian cinema are testimony that big-budget films of stars (actors) are doing poorly and many small budget themed films are doing good business.

**Conclusions:**

(i) Small-budget films have been extremely successful because of their narrative content without giving much importance to the selection of stars.

(ii) Big budget films have failed at the box office due to the selection of big stars (starcast).

1. Only conclusion (i) follows.
2. Only conclusion (ii) follows.

3. Both conclusions (i) and (ii) follow.
4. Neither conclusion (i) nor (ii) follows

Correct Option - 1

**Que. 25** Village P is to the east of village A. Village R is to the north of village P. Village S is to the west of Village R. Village S is towards which direction of village P ?

1. South - East
2. South - West
3. North - West
4. North - East

Correct Option - 3

**Que. 26** Which of the following keyboard shortcuts represents the Start menu in the Windows operating system?

1. Ctrl + Z
2. Alt + Spacebar
3. Ctrl + Esc
4. Alt + Enter

Correct Option - 3

**Que. 27** Who among the following is known as the 'father of computing'?

1. Charles Babbage
2. Tim Berners Lee
3. Phillip Don Estridge
4. James Gosling

Correct Option - 1

**Que. 28** Windows 10 was first released as a preview on which of the following days?

1. 1 January 2013
2. 12 July 2014
3. 1 October 2014
4. 12 December 2015

Correct Option - 3

**Que. 29** In which of the following districts of Uttar Pradesh, Bateshwar fair is organized every year ?

1. Kanpur
2. Varanasi
3. Mathura
4. Agra

Correct Option - 4

**Que. 30** Which one of the following is the appropriate time for sowing indigenous variety of cotton (cotton) in Agra district of Uttar Pradesh?

1. First fortnight of April
2. Mid of April

3. First fortnight of May
4. Mid of May

Correct Option - 1

---

**Que. 31** According to the 2011 census, what is the growth percentage of the population of Uttar Pradesh?

1. 20.21%
2. 20.23%
3. 20.30%
4. 20.32%

Correct Option - 2

---

**Que. 32** In which of the following districts of Uttar Pradesh is the opium factory of the Central Government located?

1. Varanasi
2. Ghazipur
3. Ballia
4. Kanpur

Correct Option - 2

---

**Que. 33** In which of the following cities of Uttar Pradesh is the coach manufacturing unit of Indian Railways, Modern Rail Coach Factory (Modern Coach Factory) located?

1. Rae Bareli
2. Mughalsarai
3. Prayagraj (Allahabad)
4. Lucknow

Correct Option - 1

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**Que. 34** Kashi is a famous Indian pilgrimage center located in Uttar Pradesh. It is situated on the bank of which of the following river?

1. Gomti
2. Saryu
3. Yamuna
4. Ganga

Correct Option - 4

---

**Que. 35** In which of the following cities of Uttar Pradesh is the Government College of Arts and Crafts located?

1. Lucknow
2. Kanpur
3. Varanasi
4. Gorakhpur

Correct Option - 1

---

**Que. 36** Lucknow city of Uttar Pradesh is famous for which of the following handloom production centers?

1. Khadi Printing

2. Saree
3. Chikan Work
4. Zari Dresses

Correct Option - 3

**Que. 37** Firozabad, a city in Uttar Pradesh, is famous for which of the following industries?

1. Sari
2. Cement
3. Glass
4. Locks

Correct Option - 3

**Que. 38** Who among the following did not help the British to suppress the revolt of 1857?

1. Scindia of Gwalior
2. Begum Hazrat Mahal of Awadh
3. Nizam of Hyderabad
4. Sikandar Begum of Bhopal

Correct Option - 2

**Que. 39** When did the British Indian government announce the decision to implement the partition of Bengal?

1. 7 August 1905
2. 19 July 1905
3. 16 October 1905
4. 1 September 1905

Correct Option - 2

**Que. 40** Who was the leader of the Ghadar movement?

1. Har Dayal
2. Bhagat Singh
3. Madam Cama
4. Shyamji Krishna Verma

Correct Option - 1

**Que. 41** In 1927, who started the Mahad Satyagraha in Maharashtra ?

1. Mahatma Gandhi
2. Sardar Vallabhbhai Patel
3. Dr. BR. Ambedkar
4. Jyotiba Phule

Correct Option - 3

**Que. 42** Which of the following act was based on Montagu-Chelmsford Report?

1. Government of India Act, 1892
2. Government of India Act, 1909

3. Government of India Act, 1919
4. Government of India Act, 1935

Correct Option - 3

**Que. 43** When did the Muslim League, led by Jawaharlal Nehru, join the Interim Government?

1. 2 September 1946
2. 14 September 1946
3. 24 October 1946
4. 14 November 1946

Correct Option - 1

**Que. 44** Who was the chairman of the Border Commission for India and Pakistan, announced by Lord Mountbatten in 1947?

1. Lord Curzon
2. Lord Wavell
3. Clement Attlee
4. Cyril Radcliffe

Correct Option - 4

**Que. 45** India's latitudinal range ranges from \_\_\_\_\_ north to \_\_\_\_\_ north.

1.  $8^{\circ} 2'$  ;  $37^{\circ} 4'$
2.  $8^{\circ} 4'$  ;  $37^{\circ} 6'$
3.  $8^{\circ} 7'$  ;  $37^{\circ} 9'$
4.  $8^{\circ} 3'$  ;  $37^{\circ} 5'$

Correct Option - 2

**Que. 46** Which of the following river does not join the Gulf of Khambhat?

1. Mahi
2. Sabarmati
3. Koyna
4. Tapi

Correct Option - 3

**Que. 47** Which is the highest peak of the Meghalaya plateau ?

1. Khasi-Jaintia Hills
2. Garo Hills
3. Mikir Hills
4. Shillong Peak

Correct Option - 4

**Que. 48** According to the 2011 census report, which of the following states does not have a tribal population ?

1. Haryana
2. Goa
3. Gujarat

4. Bihar

Correct Option - 1

**Que. 49** The Bhutia tribe, widely known for its traditional grandeur, art and cuisine, is found in which state?

1. Sikkim
2. Nagaland
3. Arunachal Pradesh
4. Tripura

Correct Option - 1

**Que. 50** According to the 2011 census report, which of the following states has the highest population density?

1. West Bengal
2. Kerala
3. Uttar Pradesh
4. Bihar

Correct Option - 4

**Que. 51** Which of the following region of Andhra Pradesh is actively associated with the production of petroleum?

1. Mahanadi Basin
2. Krishna Godavari Basin
3. Narmada Basin
4. Cauvery Basin

Correct Option - 2

**Que. 52** Where is Mount Elbus' one of the highest mountain peaks in Europe?

1. Germany
2. Switzerland
3. Russia
4. Ukraine

Correct Option - 3

**Que. 53** Which of the following Article of Indian Constitution is related to 'legal parity' i.e. equality before law?

1. 14
2. 13
3. 17
4. 26

Correct Option - 1

**Que. 54** The provisions relating to the promotion of international peace and security are mentioned in the Indian constitution as a part of which of the following?

1. Fundamental Rights
2. Directive Principles of State Policy

3. Fundamental Duties
4. States

Correct Option - 2

---

**Que. 55** Which of the following is the appointing authority of the Governor of a state in India?

1. Prime Minister of India
2. Chief Minister of the concerned state
3. President of India
4. Union Cabinet headed by the Prime Minister of India

Correct Option - 3

---

**Que. 56** Who was appointed as the National Security Advisor of India, on 31<sup>st</sup> May 2019 ?

1. M.E. Narayanan
2. Brajesh Mishra
3. Ajit Doval
4. J.N. Dixit

Correct Option - 3

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**Que. 57** Which of the following statement is wrong ?

1. Article 61 of the Constitution of India describes the process of impeachment of the President.
2. The motion of impeachment can be presented in any House of Parliament.
3. The impeachment motion can be passed by a majority of not more than two-thirds of the total membership of the House.
4. The President can be impeached for violation of national security.

Correct Option - 4

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**Que. 58** Who among the following was appointed as the Finance Minister of India on 31 May 2019?

1. Arun Jaitley
2. Piyush Goyal
3. Nirmala Sitharaman
4. Rajnath Singh

Correct Option - 3

---

**Que. 59** IMF in June 2019 According to the 5-2<sup>o</sup> Monitoring Note prepared by (IMF), India's economy is expected to grow by what percentage in 2019?

1. 6.3%
2. 7.3%
3. 8.3%
4. 9.3%

Correct Option - 2

---

**Que. 60** Mahila Shakti Kendra (MSK) under Pradhan Mantri Mahila Sashaktikaran Yojana (PMMSY) has been approved for implementation during which of the following period?

1. 2016-17
2. 2018-19

3. 2017-18

4. 2015-16

Correct Option - 3

**Que. 61** Mahatma Gandhi was against \_\_\_\_\_ of India.

1. Slow industrialization
2. Rapid industrialization
3. British method of industrialization
4. American method of industrialization

Correct Option - 2

**Que. 62** Who among the following was sworn in as the Chief Minister of Arunachal Pradesh on 30 May 2019?

1. Zarbom Gamlin
2. Kalikho Pul
3. Prem Khandu Thungan
4. Nabam Tuki

Correct Option - 3

**Que. 63** In May 2019, which of the following cyclones severely affected the coastal districts of Odisha?

1. Cyclone Sani
2. Cyclone Fani
3. Cyclone Tani
4. Cyclone Kali

Correct Option - 2

**Que. 64** Which of the following team won the Indian Premier League (IPL) Trophy, 2019 ?

1. Kings XI Punjab
2. Chennai Super Kings
3. Sunrisers Hyderabad
4. Mumbai Indians

Correct Option - 4

**Que. 65** In May 2019, the Union Government created a new ministry by merging the Ministry of Water Resources, River Development and Ganga Rejuvenation and the Ministry of Drinking Water and Sanitation. What is the name of the new ministry created as a result of the merger?

1. Ministry of Life Power
2. Ministry of Clean Ganga
3. Ministry of Water-River Development
4. Ministry of Water Power

Correct Option - 4

**Que. 66** In June 2019, Indian Prime Minister Narendra Modi was honored by which of the following country with its highest honour, 'Nishan Izzudin' ?

1. Sri Lanka

2. Maldives
3. Nepal
4. Israel

Correct Option - 2

---

**Que. 67** \_\_\_\_\_ is a renowned 49-year-old veteran Nepalese Sherpa who has scaled Mount Everest for the 23rd time in May 2019.

1. Tenzing Sherpa
2. Kami Rita
3. Appa Sherpa
4. Furba Tashi

Correct Option - 2

---

**Que. 68** How many million tonnes of food grains (rice and wheat) are estimated to be produced by India during 2018-19?

1. 183.37
2. 383.37
3. 283.37
4. 483.37

Correct Option - 3

---

**Que. 69** Which of the following state produced the highest rubber in India in 2017-18?

1. Kerala
2. Andhra Pradesh
3. Odisha
4. Karnataka

Correct Option - 1

---

**Que. 70** What is the percentage share contributed by agriculture and allied sector in India's GDP, 2019 ?

1. 14.39%
2. 29.73%
3. 15.87%
4. 31.46%

Correct Option - 3

---

**Que. 71** According to the Census Report 2011, what is the child sex ratio in Uttar Pradesh?

1. 898
2. 912
3. 916
4. 902

Correct Option - 4

---

**Que. 72** Which of the following valleys is not located in the Himalayan mountain range?

1. Karewas
2. Bhagirathi

3. Kathmandu
4. Araku

Correct Option - 4

**Que. 73** Who was the first woman governor of a state in independent India?

1. Sharada Mukherjee
2. Vijavalakshmi Pandit
3. Margaret Alva
4. Sarojini Naidu

Correct Option - 4

**Que. 74** According to the IMD World Competitiveness Rankings 2019, India has ranked \_\_\_\_\_ in the list of world's most competitive economy.

1. 14<sup>th</sup>
2. 24<sup>th</sup>
3. 43<sup>rd</sup>
4. 51<sup>st</sup>

Correct Option - 3

**Que. 75** The Bombay Stock Exchange appointed \_\_\_\_\_ as its first independent female director in May 2019.

1. Jayshree Vyas
2. Jayati Ghosh
3. Rohini Pandey
4. Devaki Jain

Correct Option - 1

**Que. 76** Which of the following organisms lives in the form of a colony ?

1. Amoeba
2. Chlamydomonas
3. Polysiphonia
4. Volvox

Correct Option - 4

**Que. 77** Identify the incorrect statement with reference to the class Insecta from the options given below.

1. It has three pairs of legs.
2. Their legs are joined together
3. They have one pair of legs in each body segment.
4. The legs are present in their thoracic segments.

Correct Option - 1

**Que. 78** During which process does excessive filtration and reabsorption occur?

1. during blood circulation in vessels
2. during transport of gases through blood

3. during excretion and urine formation
4. during exchange of gases during respiration

Correct Option - 3

---

**Que. 79** What percentage of fresh water is available on Earth ?

1. 30%
2. 3%
3. 0.3%
4. 0.17%

Correct Option - 2

---

**Que. 80** Which of the following does not contribute to pollution in aquatic bodies?

1. Heavy metals
2. Ozone
3. Microplastics
4. Pesticides

Correct Option - 2

---

**Que. 81** Which of the following is not a greenhouse gas ?

1. Water vapor
2. Nitrous oxide
3. Ozone
4. Carbon Monoxide

Correct Option - 4

---

**Que. 82** At what pH value range does the methyl orange indicator change its color?

1. 3.1 - 4.4
2. 1.0 - 3.1
3. 4.4 - 5.8
4. 5.8 - 7.0

Correct Option - 1

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**Que. 83** Pharma Vision 2020 is a program to develop India at the forefront?

1. Drug manufacturing
2. Drug research
3. Providing human resources in medicines
4. Drug discovery

Correct Option - 4

---

**Que. 84** In which year did Captain Rakesh Sharma travel to space in a Soviet space programme?

1. 1981
2. 1982
3. 1983
4. 1984

Correct Option - 4

**Que. 85** Ghunga disease is caused by whose hyperactivity ?

1. thyroid gland
2. parathyroid gland
3. thyroid gland (thymus)
4. pituitary gland

Correct Option - 1

**Que. 86** On what principle does the transformer operate?

1. Self induction
2. Mutual induction
3. Electromagnetic induction
4. Lorenz's law

Correct Option - 2

**Que. 87** The wave nature of electrons was first proved by whom ?

1. Photoelectric effect
2. Double slit experiment
3. Davison and Germer experiment
4. Compton effect

Correct Option - 3

**Que. 88** What is the pathogen of small pox?

1. Rubella virus
2. Variola virus
3. Ebola virus
4. Cytomegalo virus

Correct Option - 2

**Que. 89** Peptide bond is formed between?

1. Amino group and hydroxyl group
2. Two hydroxyl groups
3. Amino group and carboxyl group
4. Amino group and carbonyl group

Correct Option - 3

**Que. 90** Sick cell anemia (Sickle cell anemia) is caused by?

1. Deficiency of folic acid
2. Abnormal levels of hemoglobin
3. Deficiency of iron
4. Decreased production of red blood cells (RBCs)

Correct Option - 2

**Que. 91** The protein component of our food diet is mainly responsible for whom?

1. only for energy
2. for energy and growth
3. for growth and repair
4. only for growth

Correct Option - 3

**Que. 92** Where is the Indian Institute of Chemical Technology (Indian Institute of Chemical Technology) located?

1. Ahmedabad
2. Prayagraj (Allahabad)
3. Hyderabad
4. Kolkata

Correct Option - 3

**Que. 93** Which of the following microorganisms is caused by dysentery?

1. Salmonella
2. Shigella
3. Leishmania
4. Plasmodium

Correct Option - 2

**Que. 94** What is the study of all the factors that are responsible for the manifestation of a particular disease called?

1. Etiology
2. Epidemic
3. Endemic
4. Epidemiology

Correct Option - 4

**Que. 95** Why is vaccination not more effective against the common cold ?

1. No vaccine has been developed against the common cold.
2. Common cold is caused by climatic conditions.
3. Different types of rhinoviruses are present in these diseases which make vaccination ineffective
4. The causative organism for the common cold-cold has not been identified yet.

Correct Option - 3

**Que. 96** The 2018 Nobel Prize in Physics has been awarded for work done in which of the following fields?

1. For laser physics
2. For black holes
3. For magnetic resonance
4. For gravitational wave

Correct Option - 1

**Que. 97** Which of the following foods has the highest per gram calorific value?

1. Ghee
2. Maize
3. Rice
4. Meat

Correct Option - 1

**Que. 98** For which of the following purposes, ultrasonic waves are not used?

1. Bats to find their prey
2. To find the depth of the ocean floor by ship
3. To diagnose defects in the internal organs of the human body
4. To detect aircraft in the sky

Correct Option - 4

**Que. 99** Identify the incorrect statement regarding the water cycle from the options given below.

1. Evaporation of water causes clouds to form
2. Water vapor comes into the atmosphere only through transpiration.
3. Melting of ice is a part of water cycle
4. Sunlight is also responsible for evaporation of water

Correct Option - 2

**Que. 100** The number of coliform bacteria provides an estimate about which of the following?

1. E. coli infection in blood
2. Presence of E. coli in bowel
3. Microbial contamination in river water
4. Microbial contamination in packaged food

Correct Option - 3

**Que. 101** Solve the following

$$42 - 2(25 + 16 + 4 \times 3 - 4 \times 4) + 5 = ?$$

1. -27
2. 4
3. -4
4. 5

Correct Option - 1

**Que. 102** If  $1.5a = 0.2b$ , then what will be the value of  $\frac{(3a - 5b)}{(3a + 5b)} - \frac{4}{27}$  ?

1. 1
2. -1
3. 2
4. -2

Correct Option - 2

**Que. 103**

The product of the LCM and HCF of two positive numbers is 72 and the difference between these numbers is 6. What will be the sum of the numbers?

1. 6
2. 12
3. 18
4. 24

Correct Option - 3

**Que. 104** Solve the following

$$2.\overline{36} - 3.\overline{05} + 4.\overline{33} = ?$$

1.  $3.\overline{64}$
2.  $3.\overline{34}$
3.  $3.\overline{44}$
4.  $3.\overline{33}$

Correct Option - 1

**Que. 105** If  $8^{1.2} \times 64^a \times 40^{2.4} \times 25^{1.3} = 40^5$ , what will be the value of a ?

1. 0.5
2. 0.7
3. 0.9
4. 1

Correct Option - 2

**Que. 106** The numbers 2270, 3739 and 6677 must be divided by which of the following numbers to get the equivalent balance in each case?

1. 1459
2. 1469
3. 1479
4. 1489

Correct Option - 2

**Que. 107** X and Y are two compounds that are made of a mixture of silver and copper in the ratio 4 : 3 and 4 : 7 respectively. A new alloy Z is formed by melting equal amounts of both these compounds. Now, what will be the ratio of silver and copper in alloy Z ?

1. 41 : 33
2. 41 : 36
3. 33 : 41
4. 36 : 41

Correct Option - 4

**Que. 108** If Raju earns 20% more than Vijay, then what percentage of income earned by Vijay is less than the income earned by Raju ?

1. 25%
2.  $\frac{50}{3}\%$

3.  $\frac{40}{3}\%$
4.  $\frac{20}{3}\%$

Correct Option - 2

**Que. 109** One mobile was sold by two mobile vendors at a total profit of 45%. If the first seller sold it at a profit of 25%, then what percentage profit did the second seller make ?

1. 20%
2. 18%
3. 16%
4. 14%

Correct Option - 3

**Que. 110** A father and son together can complete a piece of work in 24 days. If the father works alone for the last 6 days, then the work ends in 26 days. In how many days can the son alone complete the work?

1. 72
2. 70
3. 68
4. 66

Correct Option - 1

**Que. 111** X, Y and Z completed a work costing Rs. 4,480. X worked for 4 days, Y for 6 days and Z for 8 days. If their daily salary is in the ratio 5 : 6 : 7, then how much money will X get?

1. Rs. 800
2. Rs. 1200
3. Rs. 2400
4. Rs. 3000

Correct Option - 1

**Que. 112** A train departs from Hyderabad at 7 am and reaches Vijayawada at 11 am. Another train departs from Vijayawada at 9 am and reaches Hyderabad at 12:30 pm. At what time will the two trains cross each other?

1. 9:50 AM
2. 9:56 AM
3. 10:02 AM
4. 10:08 AM

Correct Option - 2

**Que. 113** A tank 9 m long, 4 m wide, and  $(\frac{1}{3})$  m deep is dug in a field 24 m long and 14 m wide. If the dug soil is spread evenly over the rest of the field, then by how much will the height of the field increase?

1. 4.5 cm
2. 5 cm
3. 3.5 cm
4. 4 cm

Correct Option - 4

**Que. 114** A tap can fill a cistern in 8 hours. After half the tank is full, four more identical taps of the same type are opened. What is the total time taken to fill the tank completely?

1. 4 hours 46 minutes
2. 4 hours 48 minutes
3. 4 hours 38 minutes
4. 4 hours 30 minutes

Correct Option - 2

**Que. 115** The date was Sunday on 01-01-2012. Which day of the week was on 01-01-2013 ?

1. Tuesday
2. Wednesday
3. Thursday
4. Friday

Correct Option - 1

**Que. 116** Read the following statements and choose the correct option.

1. In 60 minutes, the minute hand is 55 minutes ahead of the hour hand.
2. A clock is started in the afternoon. The angle formed by the hour needle is  $150^\circ$  in 5 hours 10 minutes.
  1. Only statement 1 is true.
  2. Only statement 2 is true.
  3. Both the statements are false.
  4. Both the statements are true

Correct Option - 1

**Que. 117** In triangle ABC, if  $C = 90^\circ$ . So choose the correct option.

1.  $\sin A = \sin B$
2.  $\sin A = -\sin B$
3.  $\sin A = \cos B$
4.  $\sin A = -\cos B$

Correct Option - 3

**Que. 118** If  $x^2 - 3x + 1 = 0$  then what is the value of  $x^2 + x + (1/x) + (1/x^2)$  ?

1. 7
2. 8
3. 9
4. 10

Correct Option - 4

**Que. 119** Three angles A, B and C of a triangle are in parallel series and AM is perpendicular to BC. What will be the value of BM/AB ?

1.  $1/4$
2.  $1/3$

3.  $\frac{1}{2}$
4.  $\frac{3}{4}$

Correct Option - 3

**Que. 120** The mean of a set of 6 observations is 10 and that of a set of 4 observations is 5. What will be the mean of the mixed sets ?

1. 7.5
2. 8
3. 8.5
4. 9

Correct Option - 2

**Que. 121** If 20% of A = 0.35 of B =  $\frac{2}{5}$  of C, then A : B : C will be equivalent to

1. 14 : 8 : 7
2. 12 : 8 : 7
3. 11 : 6 : 5
4. 13 : 8 : 5

Correct Option - 1

**Que. 122** A mixture of 15 liters of milk and water contains 5% water. How much pure milk should be added to get a mixture containing 2% water ?

1. 20.5 liters
2. 21 liters
3. 21.5 liters
4. 22.5 liters

Correct Option - 4

**Que. 123** A and B together can do a piece of work in 9 days, while B and C together can do it in 15 days. All three working together can complete the work in 6 days. In how many days will A and C together complete the work ?

1.  $6\frac{1}{7}$
2. 6
3.  $6\frac{4}{7}$
4.  $6\frac{3}{7}$

Correct Option - 4

**Que. 124** Two pipes A and B can fill a cistern in 36 minutes and 45 minutes respectively. These two pipes are opened simultaneously in the cistern. After what time should A be closed so that the cistern is filled in 25 minutes?

1. 13 minutes
2. 14 minutes
3. 15 minutes
4. 16 minutes

Correct Option - 4

**Que. 125** If  $a^4 + b^4 = a^2b^2$ , then  $a^6 + b^6$  is equivalent to ?

1. 0
2. 1
3.  $a^2 + b^2$
4.  $a^2b + ab^2$

Correct Option - 1

**Que. 126** निम्नलिखित जानकारी का अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दें।

भारतीय दर्शन सिखाता है कि जीवन का एक आशय और लक्ष्य है, आशय की खोज हमारा दायित्व है, और अंत में उस लक्ष्य को प्राप्त कर लेना हमारा विशेषाधिकार है। इस प्रकार दर्शन जो कि आशय को उद्घाटित करने की कोशिश करता है और जहाँ तक उसे इसमें सफलता है मिलती है, वह इस लक्ष्य तक अग्रसर होने की प्रक्रिया है। कुल मिलाकर आखिर यह लक्ष्य क्या है? इस अर्थ में यथार्थ की प्राप्ति वह है जिसमें पा लेना केवल जानना नहीं है, बल्कि उसी का अंश हो जाना है। इस उपलब्धि में बाधा क्या है? बाधाएँ कई हैं, पर इनमें प्रमुख है-अज्ञान। अशिक्षित आत्मा नहीं है, यहाँ तक कि यथार्थ संसार भी नहीं है, यह दर्शन ही है जो उसे शिक्षित करता है, और अपनी शिक्षा से उसे उस अज्ञान से मुक्ति दिलाता है, जो यथार्थ दर्शन नहीं होने देता। इस प्रकार एक दार्शनिक होना एक बौद्धिक अनुगमन करना नहीं है, बल्कि एक शक्तिप्रद अनुशासन पर चलना है, क्योंकि सत्य की खोज में लगे हुए सही दार्शनिक को अपने जीवन को इस प्रकार आचरित करना पड़ता है ताकि उस यथार्थ से एकाकार हो जाए जिसे वह खोज रहा है। वास्तव में यही जीवन का एक मात्र सही मार्ग है और सभी दार्शनिकों को इसका पालन करना होता है, और दार्शनिक ही नहीं, बल्कि सभी मनुष्यों को, क्योंकि सभी मनुष्यों के दायित्व और नियति एक ही है।

उपरोक्त गद्यांश का समुचित शीर्षक चुनिए।

1. जीवन का एक आशय
2. मनुष्य की नियति
3. भारतीय दर्शन और जीवन
4. अज्ञान से मुक्ति

Correct Option - 3

**Que. 127** उपरोक्त गद्यांश का संक्षेपण कीजिए।

1. दर्शन जीवन का एक मात्र सही मार्ग है और सभी दार्शनिकों को इसका पालन करना होता है, और दार्शनिक ही नहीं, बल्कि सभी मनुष्यों को, क्योंकि सभी मनुष्यों के दायित्व और नियति एक ही है।
2. भारतीय दर्शन सिखाता है कि जीवन का एक आशय और लक्ष्य है, आशय की खोज हमारा दायित्व है, और अंत में उस लक्ष्य को प्राप्त कर लेना हमारा विशेषाधिकार है।
3. दर्शन जो कि आशय को उद्घाटित करने की कोशिश करता है और जहाँ तक उसे इसमें सफलता मिलती है, वह इस लक्ष्य तक अग्रसर होने की प्रक्रिया है
4. भारतीय दर्शन जीवन के लक्ष्य की खोज करके उसे पाने की प्रक्रिया भी बताता है। लक्ष्य को पा लेना उसे केवल जानना नहीं है, बल्कि उसका अंश हो जाना है, इस उपलब्धि में प्रमुख बाधा है अज्ञान। जिसे दर्शन ही दूर कर सकता है। इस प्रकार दार्शनिक को स्वयं अनुशासित होना पड़ता है ताकि वह यथार्थ से एकाकार हो जाए। इसी नाते अनुशासित आचरण का पालन सभी मनुष्यों को करना होता है।

Correct Option - 4

**Que. 128** उपरोक्त गद्यांश के आधार पर बताइए कि यथार्थ की प्राप्ति में प्रमुख बाधा क्या है?

1. अज्ञान

2. दायित्व
3. नियति
4. अनुशासन

Correct Option - 1

**Que. 129** 'सब कोई' सर्वनाम के किस प्रकार का उदाहरण है?

1. निश्चयवाचक
2. अनिश्चयवाचक
3. निजवाचक
4. संयुक्त सर्वनाम

Correct Option - 4

**Que. 130** गुरुजी, मेरा ..... स्वीकार करें।

रिक्त स्थान भरने के लिए नीचे दिए विकल्पों में से उपयुक्त शब्द चुनें।

1. अभिनंदन
2. स्वागत
3. अभिवादन
4. अभिमान

Correct Option - 3

**Que. 131** पत्र के संबंध में निम्नलिखित में से किसको 'अभिवादन' कहते हैं?

1. पिता-पुत्र
2. शुभाशीष
3. प्रिय पुत्र
4. आपका स्नेहाकांक्षी

Correct Option - 2

**Que. 132** निम्नलिखित में से किसका प्रयोग अधिकतर भारतीय गजटों में प्रकाशित सरकारी नियम, आदेश आदि की सूचना के प्रसंग में होता है?

1. पत्र
2. परिपत्र
3. अधिसूचना
4. कार्यालय आदेश

Correct Option - 3

**Que. 133** अनुस्वार किसका कार्य करता है?

1. विसर्ग का
2. चंद्रबिंदु का
3. पंचम वर्ण का
4. स्वर का

Correct Option - 3

**Que. 134** जिन स्वरों के उच्चारण में हवा नाक से भी निकलती है, ..... उन्हें कहते हैं।

1. निरनुनासिक स्वर
2. अनुनासिक स्वर
3. मौखिक स्वर
4. लुंठित स्वर

Correct Option - 2

**Que. 135** 'दुस्तर' का संधि-विच्छेद क्या होगा?

1. दुस् + तर
2. दुश् + तर
3. दुः + तर
4. दुर् + तर

Correct Option - 3

**Que. 136** 'सतसई' किस समास का उदाहरण है?

1. तत्पुरुष
2. कर्मधारय
3. द्वंद्व
4. द्विगु

Correct Option - 4

**Que. 137** 'आप भला तो जग भला' - वाक्य में रेखांकित शब्द कौन सा सर्वनाम है?

1. पुरुषवाचक
2. निजवाचक
3. निश्चयवाचक
4. अनिश्चयवाचक

Correct Option - 2

**Que. 138** 'अर्चना अत्यंत सुंदर है।' - वाक्य में कौन-सा शब्द विशेषण है?

1. अर्चना
2. अत्यंत
3. सुंदर
4. है

Correct Option - 3

**Que. 139** इस महाकाव्य में सोलह ..... हैं। - रिक्त स्थान भरने के लिए उचित शब्द चुनें।

1. सर्ग
2. स्वर्ग
3. सर्व

4. शर्व

Correct Option - 1

**Que. 140** 'इस वर्ष हिंदी साहित्य की ..... कुछ अवरुद्ध रही।' - रिक्त स्थान भरने के लिए उपयुक्त शब्द चुनें।

1. उन्नति
2. प्रगति
3. वृद्धि
4. विकास

Correct Option - 2

**Que. 141** शुद्ध वर्तनी वाला शब्द चुनें।

1. सुर्पनखा
2. सूर्पनखा
3. सूर्पणखा
4. शूर्पणखा

Correct Option - 4

**Que. 142** 'राम से पत्र लिखे गए।' - किस वाच्य का उदाहरण है?

1. कर्तृवाच्य
2. कर्मवाच्य
3. भाववाच्य
4. कर्तृ-कर्मवाच्य

Correct Option - 2

**Que. 143** 'शायद पिताजी आ जाएँ।' - किस प्रकार का वाक्य है?

1. आज्ञार्थक
2. संदेहार्थक
3. इच्छार्थक
4. संकेतवाचक

Correct Option - 2

**Que. 144** निम्नलिखित में से कौन सा वाक्य शुद्ध है?

1. बंदूक एक बहुत ही उपयोगी अस्त्र है।
2. बाघ और बकरी एक घाट पानी पीती है।
3. कई रेलवे के कर्मचारियों की गिरफ्तारी हुई।
4. श्रीकृष्ण के अनेकों नाम हैं।

Correct Option - 1

**Que. 145** जो चाहे, करो ..... बस हमें तंग न करो। - वाक्य के बीच में रिक्त स्थान में कौन सा विराम चिह्न आएगा?

1. अल्पविराम

2. अर्द्धविराम
3. पूर्णविराम
4. योजक चिह्न

Correct Option - 2

**Que. 146** 'दिनों का फेर होना? - मुहावरे का अर्थ बताएँ।

1. अजीब हालत होना
2. बहुत जल्दी-जल्दी होना
3. भाग्य का चक्कर
4. दिन काटे न कटना

Correct Option - 3

**Que. 147** 'यह मुँह और मसूर की दाल' - लोकोक्ति का अर्थ बताएँ।

1. मजबूरी में आदमी सब कुछ करता है।
2. केवल ऊपरी दिखावा।
3. पुराना गौरव समाप्त।
4. अपनी औकात से बढ़कर होना या करना।

Correct Option - 4

**Que. 148** आधुनिक हिंदी गद्य का जन्मदाता किसे कहा जाता है?

1. अमीर खुसरो
2. भारतेन्दु
3. गंग कवि
4. जयशंकर प्रसाद

Correct Option - 2

**Que. 149** 'कामायनी' के रचनाकार कौन है?

1. मैथिलीशरण गुप्त
2. रामनरेश त्रिपाठी
3. रामधारी सिंह दिनकर
4. जयशंकर प्रसाद

Correct Option - 4

**Que. 150** 'भोर का तारा' एकांकी के लेखक कौन है?

1. उपेंद्रनाथ अशक
2. जगदीशचंद्र माथुर
3. धर्मवीर भारती
4. मोहन राकेश

Correct Option - 2