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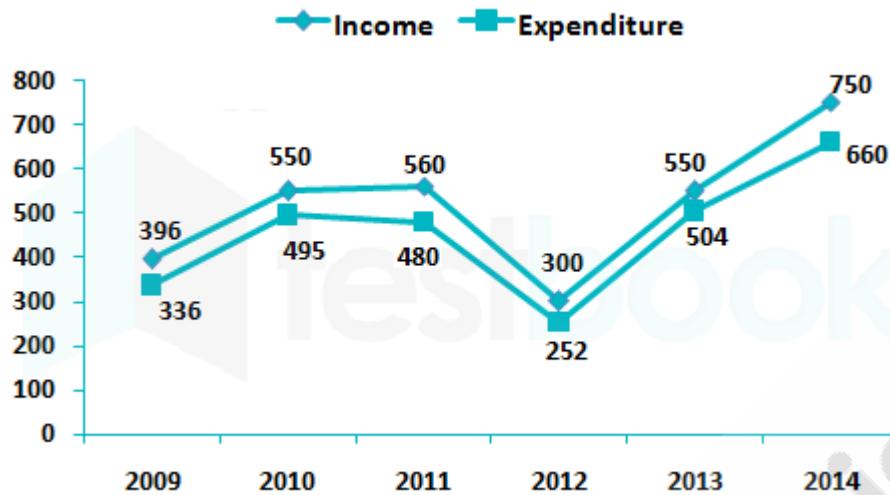
# UPSSSC

Previous Year Paper  
Lower PCS Prelims  
(26 June 2016)



## 175 Questions

**Que. 1** Income and expenditure of two company A and B from 2009 to 2014.



The ratio of income and expenditure of two companies A and B

Year	Expenditure	Income
2009	4 : 3	6 : 5
2010	6 : 5	6 : 5
2011	7 : 5	4 : 3
2012	3 : 4	2 : 3
2013	4 : 5	5 : 6
2014	5 : 6	7 : 8

What is the profit gained by company B in 2009, 2011 and 2014 together?

- 124 cr
- 116 cr
- 112 cr
- 108 cr

**Testbook Solution** Correct Option - 2

**Que. 2** In which year was the income of company A the second highest?

- 2014
- 2013
- 2012
- 2011

**Testbook Solution** Correct Option - 4

**Que. 3** By what percent, was the profit gained by company B increased from 2010 to 2011?

- 37.5%
- 50%
- 60%

4. 62.5%

**Testbook Solution** Correct Option - 3

**Que. 4** The profit percent of company A in 2014 is what percent of the profit percentage of company B in the same year?

1. 150%
2. 80%
3. 125%
4.  $66\frac{2}{3}\%$

**Testbook Solution** Correct Option - 3

**Que. 5** **Direction:** The member of a bank are Mr. A. Mr. B, Mrs. C, Mrs. D, Mr. E and Miss F. The positions they occupy are Manager, Asstt. Manager, Cashier, Steno, Teller and a Clerk, though not necessarily in order. The Asstt. Manager is Manager's Grandson. Cashier is Stenographer's son-in-law. Mr. A is unmarried. Mrs. D is teller's step-sister and Mr. E is Manager's husband. Mr. B cannot have grandson or son-in-law. D and F are not Manager.

Who is the Manager?

1. Mrs. A
2. Mrs. C
3. Mrs. E
4. None of the above

**Testbook Solution** Correct Option - 2

**Que. 6** Who is Asstt. Manager?

1. Mr. A
2. Miss. F
3. Mrs. C
4. Mr. B

**Testbook Solution** Correct Option - 1

**Que. 7** Who is Teller?

1. Miss F / Mrs D
2. Mrs. C
3. Mr. A
4. Mrs. D

**Testbook Solution** Correct Option - 1

**Que. 8** Who is Clerk?

1. Miss F / Miss D
2. Mrs. D
3. Miss. F
4. None of the above

**Testbook Solution** Correct Option - 1

**Que. 9** Who is the Cashier?

1. Mr. A and Mrs. D
2. Miss F
3. Mr. B
4. Mrs. C

**Testbook Solution** Correct Option - 3

**Que. 10** Rahul walks 2 km to west and then he turns to North and walks 5 km. Again he turns to west and walks 3 km. After this he turns to north and walks 7 km. In which direction is he from the starting point?

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

**Testbook Solution** Correct Option - 3

**Que. 11** In certain code 'NEPALP' is written '6-15-0-15-17-13'. How 'STEXQG' written in that code?

1. 21-20-23-4-8-18
2. 24-20-21-8-18-1
3. 18-8-24-20-21-5
4. 20-21-24-5-8-18

**Testbook Solution** Correct Option - 1

**Que. 12** In a certain code language, "WEAVE" is written as "FEZVX". How will "ELEVATE" be written in that code language?

1. ELFUATF
2. FLEAUTF
3. FLEUAFT
4. FLEUATF

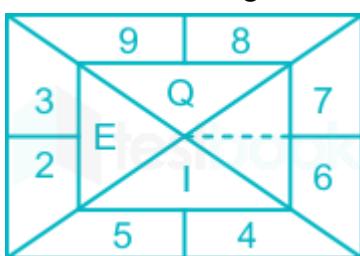
**Testbook Solution** Correct Option - 4

**Que. 13** Three of the following are alike and so form a group. Which is the one that does not belong to that group?

1. Pali
2. Sharki
3. Pablo
4. Norte

**Testbook Solution** Correct Option - 1

**Que. 14** Find out the missing letter in the following table:



1. R

2. N
3. M
4. L

**Testbook Solution** Correct Option - 3

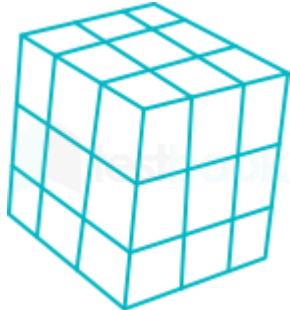
**Que. 15** Which number will come next in the following series?

3, 8, 5, 7, 8, 5, 12

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

**Testbook Solution** Correct Option - 1

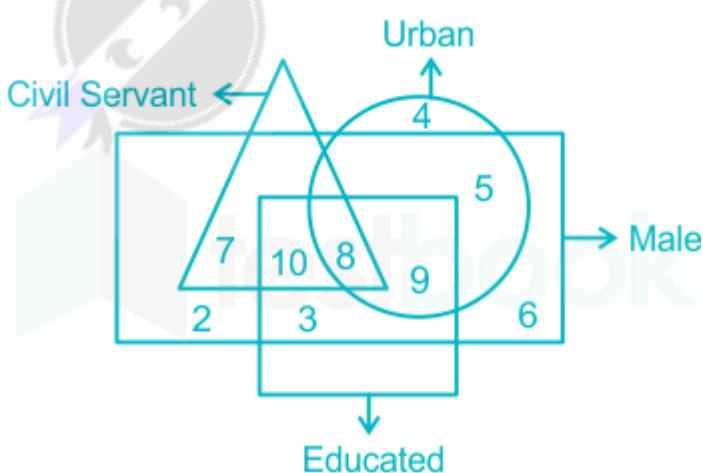
**Que. 16** The following figures represents a wooden block of cube shape with 3 cm as its edge and all the face of the cube are painted black. If the cube is cut along the dotted lines and 27 new cubes are formed with a volume of  $1 \text{ cm}^3$ , each. What will be the no. of non-painted blocks?



1. 1
2. 3
3. 6
4. 9

**Testbook Solution** Correct Option - 1

**Que. 17** The figure shows:



1. Rectangle denotes male
2. Circle denotes urban
3. Square denotes educated
4. Tringle denotes civil servant

The number which denotes Uneducated Urban Male:

1. 4
2. 5
3. 7
4. 1

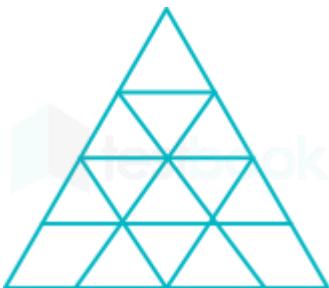
**Testbook Solution** Correct Option - 2

**Que. 18** In a plane, line X is perpendicular to line Y and parallel to line Z; line U is perpendicular to both lines V and W; line X is perpendicular to line V. Which one of the following statements is correct?

1. Z, U and W are parallel
2. X, V and U are all perpendicular to W
3. Z, V and U are all perpendicular to W
4. Y, V and W are parallel

**Testbook Solution** Correct Option - 4

**Que. 19** Consider the following Figure and answer the question that follows:



What is the total number of triangle in the above grid?

1. 27
2. 26
3. 23
4. 22

**Testbook Solution** Correct Option - 3

**Que. 20** There are some balls of red, green and yellow colour lying on a table. Three are as many red balls as there are yellow balls. There are twice as many yellow balls as there are green ones. The number of red balls is:

1. is equal to the sum of yellow and green balls
2. is double the number of green balls
3. is equal to yellow balls minus green balls
4. cannot be ascertained

**Testbook Solution** Correct Option - 2

**Que. 21** Consider the following matrix:

What is the number at X in the above matrix?

3	370	7
2	224	6
1	730	X

1. 5

2. 8
3. 9
4. 11

**Testbook Solution** Correct Option - 3

**Que. 22** Given that

1. A is the brother of B.
2. C is the father of A.
3. D is the brother of E.
4. E is the daughter of B

Then, the uncle of D is:

1. A
2. B
3. C
4. E

**Testbook Solution** Correct Option - 1

**Que. 23** **Direction:** Examine carefully the following statements and answer the three questions that follows:  
Out of four friends A, B, C and D, A and B play football and cricket. B and C play cricket and hockey. A and D play basketball and football C and D play hockey and basketball.

Person and play

	A	B	C	D
Football	✓	✓	✗	✓
Cricket	✓	✓	✓	✗
Basketball	✓	✗	✓	✓
Hockey	✗	✓	✓	✓

Which game do B, C and D play?

1. Basketball
2. Hockey
3. Cricket
4. Football

**Testbook Solution** Correct Option - 2

**Que. 24** Who play football, basketball and hockey?

1. D
2. C
3. B
4. A

**Testbook Solution** Correct Option - 1

**Que. 25** Who does not play Hockey?

---

- 1. D
- 2. C
- 3. B
- 4. A

**Testbook Solution** Correct Option - 4

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**Que. 26** With reference to the Capital Account Convertibility (CAC) Consider the following statements:

- (1) It refers to the abolition of all limitations with respect to the movement of capital from India to different countries across the globe.
- (2) It brings about a fair allocation of the income level in India.
- (3) It helps in the efficient appropriation or distribution of international capital in India.

Choose the correct answer from the statements given above:

- 1. 1 & 2
- 2. 2 & 3
- 3. 1 & 3
- 4. 1, 2 & 3

**Testbook Solution** Correct Option - 1

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**Que. 27** How much cash prize is awarded in Dhyan Chand Award?

- 1. Rs. 10,00,000
- 2. Rs. 25,00,000
- 3. Rs. 5,00,000
- 4. Rs. 8,00,000

**Testbook Solution** Correct Option - 1

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**Que. 28** Consider the following statements about Amartya Sen's advice regarding priorities for India's Economy.

- (1) It should be commodity-oriented
- (2) It should be people-oriented
- (3) Economic Security to the poorest of the poor
- (4) Safeguards against integration of these with world economy.

- 1. 1, 2 & 3 are correct
- 2. 2, 3 & 4 are correct
- 3. 1, 3 & 4 are correct
- 4. 1, 2 & 4 are correct

**Testbook Solution** Correct Option - 1

---

**Que. 29** Who was the first puppet Mughal Emperor?

- 1. Jahandar Shah
- 2. Bahadur Shah
- 3. Farruksiyar
- 4. Muhammad Shah

**Testbook Solution** Correct Option - 1

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**Que. 30** Who has been nominated as Brand Ambassador of "Skill India Mission"?

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- 1. Sachin Tendulkar
- 2. Sania Mirza
- 3. Vidya Balan
- 4. Priyanka Chopra

**Testbook Solution** Correct Option - 1

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**Que. 31** Which instrument was played by the famous instrumentalist Ustad Binda Khan?

- 1. Sarangi
- 2. Violin
- 3. Mridang
- 4. Santoor

**Testbook Solution** Correct Option - 1

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**Que. 32** Which one is the complete and scientific theory of leadership?

- 1. Situational Theory
- 2. Multifactor Theory
- 3. Personal and Situational Theory
- 4. Genetic Theory

**Testbook Solution** Correct Option - 1

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**Que. 33** Who has not been conferred with Padma Shri Award?

- 1. Vidya Balan
- 2. Raghu Nath Mashelkar
- 3. Yuvraj Singh
- 4. Mohammad Ali Baig

**Testbook Solution** Correct Option - 1

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**Que. 34** Who is the highest ranked commissioned officers in Indian Navy?

- 1. General
- 2. Air Chief Marshal
- 3. Admiral
- 4. Sub-Lieutenant

**Testbook Solution** Correct Option - 3

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**Que. 35** Former President of the United States of America, Bill Clinton visited Jabrouli village, near Lucknow, on an awareness mission on:

- 1. Malaria
- 2. Diarrhea
- 3. Education
- 4. AIDS

**Testbook Solution** Correct Option - 2

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**Que. 36** Gandhi's 11 points ultimatum was given to the viceroy before starting Civil Disobedience Movement. Which of the following are correct with respect to This ultimatum?

- (1) Reduce Rupee-Dollar exchange rates

(2) Reduce land revenue by 50%

(3) Reduce political prisoners

1. 1 & 2
2. 2 & 3
3. 1 & 3
4. 1, 2 & 3

**Testbook Solution** Correct Option - 1

**Que. 37** Which is the shortest day in Southern Hemisphere?

1. 22<sup>nd</sup> December
2. 21<sup>st</sup> June
3. 21<sup>st</sup> March
4. 23<sup>rd</sup> September

**Testbook Solution** Correct Option - 2

**Que. 38** Match list-I with list-II

List-I (Country)	List-II (Capital)
a. Tanzania	1. Rabat
b. Kenya	2. Nairobi
c. Namibia	3. Dodoma
d. Morocco	4. Windhoek

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

**Testbook Solution** Correct Option - 1

**Que. 39** Who among the following lead the agitation against the partition of Bengal (1905)?

1. Surendranath Banerjee
2. C. R. Das
3. Ashutosh Mukherjee
4. Rabindranath Tagore

**Testbook Solution** Correct Option - 1

**Que. 40** The name of cloud 'Nimbus' defines \_\_\_\_\_.

1. Looking like feather
2. Looking like heap
3. Rain cloud
4. Having rounded tops

**Testbook Solution** Correct Option - 3

**Que. 41** The Canadian Pacific railway runs between?

1. Duluth and Montreal
2. Sarkatoon and Quebec
3. Seattle and Winning
4. Vancouver and Halifax

**Testbook Solution** Correct Option - 4

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**Que. 42** Who has the power to declare an area as schedule area for the protection of scheduled tribes?

1. Prime Minister of India
2. President of India
3. Chief Minister of the state
4. Vice-President of India

**Testbook Solution** Correct Option - 2

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**Que. 43** When was Aasra Yojana started in Uttar Pradesh?

1. 2012
2. 2013
3. 2014
4. 2015

**Testbook Solution** Correct Option - 1

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**Que. 44** Under which Article of the Constitution the Governor of states has been empowered to promulgate ordinances?

1. Article 123
2. Article 211
3. Article 213
4. Article 212

**Testbook Solution** Correct Option - 3

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**Que. 45** Which of the following books is not written by Sarojini Naidu?

1. The Broken Wing
2. The Golden Threshold
3. The Golden Bird
4. The Bird of Time

**Testbook Solution** Correct Option - 3

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**Que. 46** Which one of the following is the chief characteristic of 'mixed farming'?

1. Cultivation of both cash crops and food crops
2. Cultivation of two or more crops in the same field
3. Rearing of animals and cultivation of crops together
4. None of the above

**Testbook Solution** Correct Option - 3

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**Que. 47** In which of the following state "Bahini Darbar" a monthly newspaper for the women is published by the women?

1. West Bengal

2. Jharkhand
3. Maharashtra
4. Madhya Pradesh

**Testbook Solution** Correct Option - 4

**Que. 48** Which Sikh Guru compiled the Adi Granth?

1. Guru Angad
2. Guru Ramdas
3. Guru Arjun Dev
4. Guru Har Rai

**Testbook Solution** Correct Option - 3

**Que. 49** Who founded the dynasty of Tuluva?

1. Narasa Nayka
2. Krishnadeva Raya
3. Achyuta Raya
4. Vir Narsingh

**Testbook Solution** Correct Option - 4

**Que. 50** Who was the first Muslim to invade India?

1. Firdausi Shah
2. Muhammad Ghori
3. Mohammad Bin Qasim
4. Mahmood Ghaznavi

**Testbook Solution** Correct Option - 3

**Que. 51** Which of the following is **not** an Upaveda?

1. Dhanurveda
2. Shstrashastra
3. Ayurveda
4. Yogveda

**Testbook Solution** Correct Option - 4

**Que. 52** Where has world's largest Wi-Fi network been established recently?

1. Meghalaya
2. Patna
3. Philippines
4. Mumbai

**Testbook Solution** Correct Option - 2

**Que. 53** Through which one of the following groups of countries does the equator pass?

1. Brazil, Zambia and Malaysia
2. Colombia, Kenya and Indonesia
3. Brazil, Sudan and Malaysia

4. Venezuela, Ethiopia and Indonesia

**Testbook Solution** Correct Option - 2

**Que. 54** A cookie \_\_\_\_\_.

1. Stores information about the user's web activity
2. Stores software developed by the user
3. Stores the password of the user
4. Stores the commands used by the user

**Testbook Solution** Correct Option - 1

**Que. 55** When was Alternative Energy Development Institute established for the development of alternative energy in Uttar Pradesh?

1. 1982
2. 1983
3. 1986
4. 1987

**Testbook Solution** Correct Option - 2

**Que. 56** PM Narendra Modi declared how many smart cities for India?

1. 50
2. 100
3. 150
4. 200

**Testbook Solution** Correct Option - 2

**Que. 57** Consider the following statement regarding the measures of money supply in India:

1.  $M_1$  refers to currency with the public + demand deposits with the banking system + other deposits with the RBI.
2.  $M_4$  refers to  $M_3$  + All deposits with post office.

Choose the correct answer from the statements given above

1. Only 1
2. Only 2
3. 1 & 2
4. None of the above

**Testbook Solution** Correct Option - 3

**Que. 58** Who among the following is related to Disinvestment Commission?

1. G. V. Ramakrishna
2. T. N. Malegum
3. Rakesh Mohan
4. Abid Hussain

**Testbook Solution** Correct Option - 1

**Que. 59** Kyzyl Kum desert is located in \_\_\_\_\_.

1. Saudi Arabia
2. Northern Iran
3. Uzbekistan
4. Afghanistan

**Testbook Solution** Correct Option - 3

---

**Que. 60** The rivers of South India mainly have which of the following drainage patterns?

1. Radial
2. Intermittent
3. Dendritic
4. Trellis

**Testbook Solution** Correct Option - 3

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**Que. 61** In the year 2016, U.P. Pravasi Diwas was celebrated on which day?

1. 4<sup>th</sup> January
2. 9<sup>th</sup> January
3. 4<sup>th</sup> February
4. 9<sup>th</sup> February

**Testbook Solution** Correct Option - 1

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**Que. 62** The status of "Special Category States" is given to certain states to target the fund flow for better-balanced growth. Which of the following states fall under this category?

1. Rajasthan
2. Uttarakhand
3. Bihar
4. Jammu & Kashmir
5. Himachal Pradesh
6. Jharkhand

Select the correct answer using the codes given below:

1. 1, 5 and 6
2. 2, 4 and 5
3. 3, 5 and 6
4. 1, 3 and 6

**Testbook Solution** Correct Option - 1

---

**Que. 63** The new proposed price stabilisation fund scheme will be implemented for which of the following items initially?

1. Tea
2. Rubber
3. Onion
4. Coffee
5. Potato

1. 3 and 5
2. 1, 2 and 4

3. 1, 3, 4 and 5
4. 1, 2, 4 and 5

**Testbook Solution** Correct Option - 1

**Que. 64** Match the following and choose the correct codes.

	<u>List I</u>	<u>List II</u>
A.	Indian Grain Storage Institute management and research	1. Allahabad
B.	National Institute for Entrepreneurship and Small Business Development	2. Hapur
C.	Govind Ballabh Pant Social Science Institute	3. Noida
D.	Harish Chandra Research Institute	4. Allahabad

1. A-2, B-3, C-1, D-4
2. A-3, B-2, C-1, D-4
3. A-4, B-1, C-2, D-3
4. A-1, B-2, C-3, D-4

**Testbook Solution** Correct Option - 1

**Que. 65** Which of the following ministry has recently started 'ePace' and 'Infracon' facilities?

1. Ministry of Road Transport
2. Ministry of Railways
3. Ministry of Civil Aviation
4. Ministry of Urban Development

**Testbook Solution** Correct Option - 1

**Que. 66** Which of the following forms the major components of the Wholesale Price Index in India?

1. Primary Articles
2. Fuel & Power
3. Services
4. Manufactured Products

Select the answer using the codes given below:

1. 1, 2 and 4
2. 2, 3 and 4
3. 1, 3 and 4
4. 1, 2 and 3

**Testbook Solution** Correct Option - 1

**Que. 67** Consider the following statements:

1. Recently the Prime Minister Narendra Modi chaired the 26<sup>th</sup> conference of the Southern Zonal Council (SCZ)
2. Telangana and Puducherry are also the part of Southern Zonal Council.

Which of the statements given above is/are correct?

1. Only 1
2. Only 2
3. 1 & 2 Both
4. None of the above

**Testbook Solution** Correct Option - 2

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**Que. 68** The number of agro-climatic zones in Uttar Pradesh is:

1. 3
2. 7
3. 9
4. 11

**Testbook Solution** Correct Option - 1

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**Que. 69** Consider the following statements:

1. President
2. Vice-President
3. All members of the Rajya Sabha

Who among the above are elected in accordance with the system of proportional representation by means of the single transferable vote and voting is by secret ballot?

1. Only 1 and 2
2. Only 1 and 3
3. Only 2 and 3
4. All of the above

**Testbook Solution** Correct Option - 1

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**Que. 70** Consider the following:

1. Fundamental Rights
2. Fundamental Duties
3. Directive Principles of State Policy

Which among the above parts of the constitution enshrine provision for the education of children from 0 to 6 years?

1. Only 1 and 2
2. Only 3
3. Only 2 and 3
4. All of the above

**Testbook Solution** Correct Option - 4

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**Que. 71** Central Vigilance Commissioner holds the office for:

1. 5 years 62 years of age
2. 5 years or 65 years of age
3. 4 years or 62 years of age
4. 4 years or 65 years of age

**Testbook Solution** Correct Option - 4

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**Que. 72** Where is Thattekad Bird Sanctuary located?

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- 1. Kerala
- 2. Arunachal Pradesh
- 3. Punjab
- 4. Gujarat

**Testbook Solution** Correct Option - 1

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**Que. 73** Which one of the following countries stands fifth in terms of total area in the world?

- 1. Brazil
- 2. Argentina
- 3. India
- 4. Australia

**Testbook Solution** Correct Option - 1

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**Que. 74** Which of the following is/are correct about the governor?

- 1. He nominates  $1/6^{\text{th}}$  of the members of the state legislative council.
- 2. He can nominate 2 members to the state legislative assembly from Anglo-Indian community
- 1. Only 1
- 2. Only 2
- 3. Both 1 & 2
- 4. None of the above

**Testbook Solution** Correct Option - 1

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**Que. 75** As per Wildlife Protection Act, 1972; there is provision for absolute protection and offence in which of the following schedule?

- 1. Schedule-1
- 2. Schedule-2
- 3. Schedule-3
- 4. Schedule-4
- 1. 1 and 3
- 2. 2 and 4
- 3. 1, 2 and 4
- 4. 1 and 2

**Testbook Solution** Correct Option - 4

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**Que. 76** If the sum of the roots of the equation  $kx^2 + 2x + 3k = 0$  is equal to their product, then the value of  $k$  is:

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

**Testbook Solution** Correct Option - 4

---

**Que. 77** If the sum of two numbers is 14 and their difference is 10. Find the product of these two numbers.

- 1. 18

2. 20
3. 24
4. 22

**Testbook Solution** Correct Option - 3

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**Que. 78** What should be added to  $2x^2 + 3x - 5$  to get  $x^2 - x + 1$ ?

1.  $-x^2 - 4x + 6$
2.  $x^2 - 4x + 6$
3.  $x^2 + 4x - 6$
4.  $x^2 - 4x - 6$

**Testbook Solution** Correct Option - 1

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**Que. 79** Which of the following is not a breed of Goat?

1. Maltese
2. Beetal
3. Jamunapari
4. Ghori

**Testbook Solution** Correct Option - 4

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**Que. 80** Which of the following is used to transform chemical energy into electrical energy?

1. Battery
2. Photo cell
3. Electrolyte
4. Secondary cell

**Testbook Solution** Correct Option - 1

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**Que. 81** Which instrument is used to measure the depth of the ocean?

1. Fathometer
2. Eudiometer
3. Barometer
4. Periscope

**Testbook Solution** Correct Option - 1

---

**Que. 82** At what rate of simple interest certain amount will double itself in 8 years?

1. 12%
2.  $12\frac{1}{2}\%$
3. 13%
4. 15%

**Testbook Solution** Correct Option - 2

---

**Que. 83** Simplify:  $\left[\frac{x^b}{x^c}\right]^a \times \left[\frac{x^c}{x^a}\right]^b \times \left[\frac{x^a}{x^b}\right]^c$

1. 1

2. 0
3.  $x^{a+b+c}$
4. None of the above

**Testbook Solution** Correct Option - 1

**Que. 84** Solve:

$$7\frac{1}{2} - [2\frac{1}{4} \div \{1\frac{1}{4} - \frac{1}{2}(1\frac{1}{2} - \frac{1}{3} - \frac{1}{6})\}] = ?$$

1.  $\frac{2}{9}$
2.  $\frac{9}{2}$
3.  $9\frac{1}{2}$
4.  $1\frac{77}{228}$

**Testbook Solution** Correct Option - 2

**Que. 85** How many three digit number are there which are divisible by 17?

1. 51
2. 52
3. 53
4. 54

**Testbook Solution** Correct Option - 3

**Que. 86**  $26.003 \times 37.998 - 309.010 = ?$

1. 685
2. 695
3. 680
4. 679

**Testbook Solution** Correct Option - 4

**Que. 87**  $7885.009 - 519.999 - 94.989 = ?$

1. 7270
2. 7300
3. 7500
4. 7220

**Testbook Solution** Correct Option - 1

**Que. 88** The temperature at which centigrade and Fahrenheit scale is same:

1.  $100^{\circ}\text{C}$
2.  $40^{\circ}\text{C}$
3.  $-40^{\circ}\text{C}$
4.  $0^{\circ}\text{C}$

**Testbook Solution** Correct Option - 3

**Que. 89** Which chemical compound is related to vitamin 'E'?

1. Tocopherol

2. Biotin
3. Calcipherol
4. Naphthoquinone

**Testbook Solution** Correct Option - 1

**Que. 90** Carnallite is an one of which metal?

1. Potassium
2. Aluminium
3. Mercury
4. Uranium

**Testbook Solution** Correct Option - 1

**Que. 91** Which of the following medicines is used for the treatment of plague?

1. Chloromycetin
2. Isoniazid
3. Streptomycin
4. Adrenaline

**Testbook Solution** Correct Option - 3

**Que. 92** A man performs  $\frac{2}{15}$  of the total journey by rail,  $\frac{9}{20}$  by bus and the remaining 10 km, on the cycle. His total journey is:

1. 31.2 km
2. 38.4 km
3. 32.8 km
4. 24 km

**Testbook Solution** Correct Option - 4

**Que. 93** Two pipes A and B can fill a tank in 24 hours and 30 hours respectively. If both the pipes are opened simultaneously in the empty tank, how much time will be take by them to fill it?

1. 13 hours 20 min
2. 12 hour 10 min
3. 14 hour
4. 10 hour 5 min

**Testbook Solution** Correct Option - 1

**Que. 94** The product of two numbers is 1600 and their HCF is 5. The LCM of the numbers is:

1. 8000
2. 1600
3. 320
4. 1605

**Testbook Solution** Correct Option - 3

**Que. 95** In a 60 lit mixture, the ratio of milk and water is 3 : 7. How much water must be added to the mixture in order to make the ratio 2 : 5?

1. 2 lit

2. 3 lit
3. 5 lit
4. 2.5 lit

**Testbook Solution** Correct Option - 2

**Que. 96** Which of the following is a scalar quantity?

1. Work
2. Velocity
3. Force
4. Acceleration

**Testbook Solution** Correct Option - 1

**Que. 97** Which colour has the shortest wavelength?

1. Yellow
2. Violet
3. Green
4. Red

**Testbook Solution** Correct Option - 2

**Que. 98** The LCM and HCF of two numbers are 1920 and 16 respectively. If one of the number is 128. Then what will be the other number?

1. 360
2. 240
3. 120
4. 480

**Testbook Solution** Correct Option - 2

**Que. 99** Which of the following is not a bacterial disease?

1. Typhoid
2. Plague
3. Diphtheria
4. Asthma

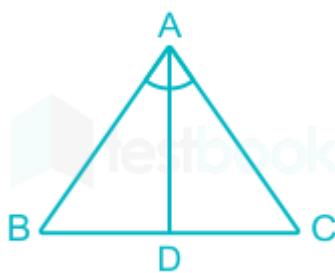
**Testbook Solution** Correct Option - 4

**Que. 100** Who invented Hydrogen Bomb?

1. Louis Prince
2. Nikola Tesla
3. Michael Faraday
4. Edward Teller

**Testbook Solution** Correct Option - 4

**Que. 101** In a right-angled triangle ABC, in which  $\angle A = 90^\circ$ . If  $AD \perp BC$  then the correct statement is:



1.  $AD^2 = BD \times DC$
2.  $AB^2 = BD \times AD$
3.  $AB^2 = BC \times DC$
4.  $AC^2 = BC \times BD$

**Testbook Solution** Correct Option - 1

**Que. 102** Simplify:  $6^{1/2} \cdot 6^{1/4} \cdot 6^{1/8} \dots = ?$

1. 6
2. 1/6
3. 216
4. 36

**Testbook Solution** Correct Option - 1

**Que. 103** Find the sum of.....

$$1 - \frac{1}{3} + \frac{1}{3^2} - \frac{1}{3^3} + \dots = ?$$

1. 1/2
2. 1/6
3. 3/4
4. 4/9

**Testbook Solution** Correct Option - 3

**Que. 104** Total number of teeth present in an adult cat:

1. 32
2. 28
3. 30
4. 16

**Testbook Solution** Correct Option - 3

**Que. 105** Which scientist has given laws of Electrolysis?

1. Kelvin
2. Dalton
3. Archimedes
4. M. Faraday

**Testbook Solution** Correct Option - 4

**Que. 106** Which metal is a good conductor of heat but a bad conductor of electricity?

1. Gold

2. Mica
3. Copper
4. Silver

**Testbook Solution** Correct Option - 2

**Que. 107** Which of the following alloys is not used in making utensils?

1. Brass
2. Solder
3. Duralumin
4. German Silver

**Testbook Solution** Correct Option - 2

**Que. 108** Which of the following is not a part of forebrain?

1. Medulla
2. Cerebrum
3. Thalamus
4. Hypothalamus

**Testbook Solution** Correct Option - 1

**Que. 109** Indian Institute of Pulse Research is situated in:

1. Bhopal
2. Patna
3. Kanpur
4. Hyderabad

**Testbook Solution** Correct Option - 3

**Que. 110** In  $\Delta ABC$ , if  $\angle A = 55^\circ$  then find out the sum of external angles formed on B and C.

1.  $208^\circ$
2.  $225^\circ$
3.  $232^\circ$
4.  $235^\circ$

**Testbook Solution** Correct Option - 4

**Que. 111** Find out the wrong number in a given series.

644, 328, 164, 84, 44, 24, 14

1. 328
2. 164
3. 84
4. 44

**Testbook Solution** Correct Option - 1

**Que. 112** Find the missing number.

101, 100, .....87, 71, 46

1. 92

2. 88
3. 89
4. 96

**Testbook Solution** Correct Option - 4

**Que. 113** What is the calorific value (in KJ/g) of Ethanol?

1. 52.22
2. 150.22
3. 30.28
4. 35.27

**Testbook Solution** Correct Option - 1

**Que. 114** Which was the first vitamin to be produced by fermentation process?

1. Vitamin C
2. Vitamin A
3. Vitamin B<sub>12</sub>
4. Vitamin D

**Testbook Solution** Correct Option - 1

**Que. 115** Which of the following is not an endospermic seed?

1. Castor
2. Maize
3. Rice
4. Gram

**Testbook Solution** Correct Option - 4

**Que. 116** Which of the following technique is used to separate mixture of acetone and methyl alcohol?

1. Centrifugation
2. Vacuum Distillation
3. Fractional Distillation
4. Distillation

**Testbook Solution** Correct Option - 3

**Que. 117** What is the pH value of tears?

1. 6.5 to 7.6
2. 8.5 to 8.8
3. 6.0 to 6.6
4. 6.3 to 7.2

**Testbook Solution** Correct Option - 1

**Que. 118** Which of the following device is used to connect various devices serially?

1. Switch
2. Connecting wire
3. Regulator

4. None of the above

**Testbook Solution** Correct Option - 4

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**Que. 119** The gas used for ripening of green fruits in an artificial manner:

1. Acetylene
2. Ethylene
3. Hydrogen
4. Carbon Dioxide

**Testbook Solution** Correct Option - 2

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**Que. 120** If  $a : b = \frac{2}{9} : \frac{1}{3}$ ,  $b : c = \frac{2}{7} : \frac{5}{14}$  and  $d : c = \frac{7}{10} : \frac{3}{5}$  then  $a : b : c : d = ?$

1. 16 : 24 : 25 : 50
2. 18 : 24 : 30 : 35
3. 16 : 24 : 30 : 35
4. 16 : 24 : 30 : 50

**Testbook Solution** Correct Option - 3

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**Que. 121** The compound interest on Rs. 3000 at 10% p.a. payable annually for a period of 2 year and 4 month will be:

1. Rs. 821
2. Rs. 831
3. Rs. 771
4. Rs. 751

**Testbook Solution** Correct Option - 4

---

**Que. 122** 102, 99, 104, 97, 106, ?

1. 94
2. 95
3. 96
4. 100

**Testbook Solution** Correct Option - 2

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**Que. 123** Who discovered transformer?

1. Otto Blathy
2. G. Marconi
3. Michael Faraday
4. Walter Hunt

**Testbook Solution** Correct Option - 1

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**Que. 124** What is the industrial name of Epsum?

1. Magnesium Sulphate
2. Ferrous Sulphate
3. Lead Oxide
4. Lead Peroxide

**Testbook Solution** Correct Option - 1

**Que. 125** Which is the respiratory organ in spider?

1. Body Surface
2. Book Lungs
3. Book Gills
4. Air Bladder

**Testbook Solution** Correct Option - 2

**Que. 126** Name of the bone in palm:

1. Humerus
2. Radio-ulna
3. Carpals
4. Meta carpals

**Testbook Solution** Correct Option - 4

**Que. 127** In which of the following Departments of a hospital will "CATH LAB" be found?

1. Pathology
2. Surgery
3. Cardiology
4. Nuclear Medicine

**Testbook Solution** Correct Option - 3

**Que. 128** Which of the following is not a symptom of diabetes?

1. Feeling very thirsty
2. Shortness of breath
3. Feeling very tired
4. Weight loss

**Testbook Solution** Correct Option - 2

**Que. 129** Which of the following drug is used to reduce temperature/fever?

1. Tranquilliser
2. Anaesthetic
3. Antipyretics
4. Antihistamines

**Testbook Solution** Correct Option - 3

**Que. 130** 'Spongocoel' is a characteristic feature of which animal kingdom?

1. Protozoa
2. Porifera
3. Cnidaria
4. Helminthes

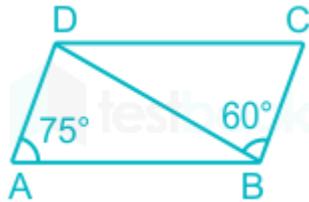
**Testbook Solution** Correct Option - 2

**Que. 131** Find out the smallest no. which on division by 24, 32 and 36 gives 19, 27 and 31 as remainder respectively.

1. 283
2. 273
3. 281
4. 285

**Testbook Solution** Correct Option - 1

**Que. 132** In a given figure, ABCD is a parallelogram in which  $\angle DAB = 75^\circ$  and  $\angle DBC = 60^\circ$  then,  $\angle BDC$  is equal to:



1.  $75^\circ$
2.  $60^\circ$
3.  $45^\circ$
4.  $55^\circ$

**Testbook Solution** Correct Option - 3

**Que. 133** The value of  $\left( \frac{0.125 \times 0.125 - 0.004 \times 0.004}{0.125 + 0.004} \right)$  is:

1. 0.129
2. 0.121
3. 0.6
4. 0.03125

**Testbook Solution** Correct Option - 2

**Que. 134** What is denatured alcohol?

1. Ethanol
2. Ethanol + Butanol
3. Ethanol + Methanol
4. Methanol + Butanol

**Testbook Solution** Correct Option - 3

**Que. 135** Which of the following crops is affected by early blight disease?

1. Potato
2. Rice
3. Sugarcane
4. Wheat

**Testbook Solution** Correct Option - 1

**Que. 136** If  $(x + \frac{1}{x}) = 3$  then  $(x^2 + \frac{1}{x^2})$  is equal to:

1.  $10/3$

2.  $82/9$
3. 7
4. 11

**Testbook Solution** Correct Option - 3

**Que. 137** In how many ways can the letters of the word 'MOMENT' be arranged?

1. 360
2. 60
3. 720
4. 120

**Testbook Solution** Correct Option - 1

**Que. 138** The minimum height of a plane mirror to view the full image of a person is:

1. Equal to the height of the person
2. Half the height of the person
3. One-fourth the height of the person
4. Double the height of the person

**Testbook Solution** Correct Option - 2

**Que. 139** What is the S.I. unit of magnetic induction?

1. Poise
2. Tesla
3. Dioptre
4. Candela

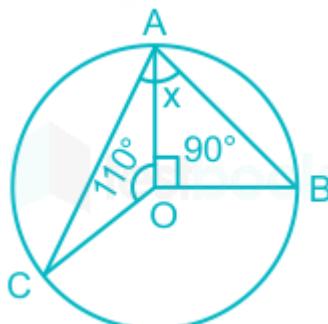
**Testbook Solution** Correct Option - 2

**Que. 140** 
$$\frac{(0.73)^3 + (0.27)^3}{(0.73)^2 + (0.27)^2 - 0.73 \times 0.27} = ?$$

1. 0.27
2. 0.4087
3. 0.73
4. 1

**Testbook Solution** Correct Option - 4

**Que. 141** If O is the centre of the circle, then find the value of x in the given figure:



1.  $70^\circ$
2.  $80^\circ$

3.  $60^\circ$
4.  $50^\circ$

**Testbook Solution** Correct Option - 2

**Que. 142** Study of ants is known as:

1. Myrmecology
2. Herpetology
3. Nematology
4. Nidology

**Testbook Solution** Correct Option - 1

**Que. 143** The sum of two numbers is 528 and their H.C.F. is 33. The number of such pairs is:

1. 3
2. 4
3. 5
4. 2

**Testbook Solution** Correct Option - 2

**Que. 144** Find the distance between  $(7, 3)$  and  $(4, -1)$

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

**Testbook Solution** Correct Option - 1

**Que. 145** In how many years, the compound interest on an amount of Rs. 19200 at the rate of 10% p.a. will be Rs. 4032?

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

**Testbook Solution** Correct Option - 3

**Que. 146** Peeling of Onions causes tears as onion releases:

1. Sulphonic Acid
2. Sulfenic Acid
3. Amino Acid
4. Carbolic Acid

**Testbook Solution** Correct Option - 2

**Que. 147** Critical temperature of oxygen is:

1.  $240^\circ\text{C}$
2.  $147.1^\circ\text{C}$
3.  $273.16^\circ\text{C}$

4.  $-118.6^{\circ}\text{C}$

**Testbook Solution** Correct Option - 4

**Que. 148** The radius of base of a conical tent is 7 m and its height is 24 m. How much 1.25 meter wide cloth will be required to make it?

1. 320 m
2. 520 m
3. 400 m
4. 440 m

**Testbook Solution** Correct Option - 4

**Que. 149** For which purpose potassium bromide is used?

1. Anti seizure drug
2. Gun Powder
3. Photography
4. Germicide

**Testbook Solution** Correct Option - 1

**Que. 150** What is 'laughing gas'?

1. Nitric Oxide
2. Nitrogen Penta Oxide
3. Nitrogen Peroxide
4. Nitrous Oxide

**Testbook Solution** Correct Option - 4

**Que. 151** वाक्य में प्रयुक्त लोकोक्ति का उचित शाब्दिक अर्थ -

FRESH-BLOOD

1. ताजा खून
2. स्वच्छ खून
3. नया खून
4. साफ खून

**Testbook Solution** Correct Option - 3

**Que. 152** समास बताइये - 'भरपेट'

1. अव्ययीभाव समास
2. द्वंद समास
3. तत्पुरुष समास
4. बहुव्रीहि समास

**Testbook Solution** Correct Option - 1

**Que. 153** "एक दिन बैठे-बैठे यह बात अपने ध्यान में चढ़ी कि कोई कहानी ऐसी कहिये कि जिसमें 'हिन्दवी' छुट और किसी बोली का पुट न मिले।" पंक्ति किस लेखक की है?

1. मलिक मोहम्मद जायसी

2. मुंशी इंशा अल्ला खाँ
3. राजा शिवप्रसाद सितारेहिन्द
4. मुंशी सदासुखलाल

**Testbook Solution** Correct Option - 2

**Que. 154** निम्न में से क्रिया-विशेषण अव्यय चुनिए -

1. कुत्ता भौंक रहा है
2. राम खाना खा रहा है
3. अधिक मत बोलो
4. राधा रातभर जागती रही

**Testbook Solution** Correct Option - 4

**Que. 155** निम्न में से कौन जीवनी है?

1. अतीत के चलचित्र
2. चिन्तामणि
3. आवारा मसीहा
4. नीड़ का निर्माण फिर

**Testbook Solution** Correct Option - 3

**Que. 156**

### अपठित

"इस संसार में धन ही सब कुछ नहीं है। धन की पूजा तो बहुत कम जगहों में होती देखी गयी है। संसार का इतिहास उठाकर देखिए और उदाहरण ढूँढ-ढूँढ कर सामने रखिये तो आपको विदित हो जायेगा कि जिनकी हम उपासना करते हैं, जिसके लिये हम आँखें बिछाने तक को तैयार रहते हैं, जिसकी स्मृति तरोताजा रखने के लिये हम अनेक तरह के स्मारक चिह्न बनाकर खड़े करते हैं, उन्होंने रूपया कमाने में अपना समय नहीं बिताया था, बल्कि उन्हीं ने कुछ ऐसे काम किये थे, जिनकी महत्ता हम रूपये से अधिक मूल्यवान समझते हैं। जिन लोगों के जीवन का उद्देश्य केवल रूपया बटोरना है उनकी प्रतिष्ठा कम हुई है। अधिकांश अवस्थाओं में उन्हें किसी ने पुछा तक नहीं है। उन्होंने जन्म लिया, रूपया कमाया और परलोक की यात्रा की। किसी ने जाना तक नहीं कि वे कौन थे और कहाँ गये। मानव समाज स्वार्थी अवश्य है, पर वह स्वार्थ की उपासना करना नहीं जानता। अन्त में वे ही पूजे जाते हैं जिन्होंने अपने जीवन को अर्पित करते समय सच्चे मनुष्यत्व का परिचय दिया है।"

गद्यांश का उचित शीर्षक होगा -

1. धन की लोलुपता
2. धन की महत्ता
3. धन और मनुष्यता
4. मनुष्यता का महत्त्व

**Testbook Solution** Correct Option - 3

**Que. 157** उपर्युक्त गद्यांश के अनुसार संसार में किस तरह मनुष्य की पूजा होती है?

1. जो धनार्जन एवं त्याग दोनों करता है
2. जो पैसों को कल्याणकारी कार्यों में लगाता है
3. जो मानवता की सेवा में लगा रहता है
4. जो सच्चे मनुष्यत्व के लिए कार्य करता है

**Testbook Solution** Correct Option - 4

**Que. 158** धन की पूजा से क्या अभिप्राय है?

1. धन से ज्यादा मानवता प्रबल है
2. धन कमाने वाला अधिक नाम नहीं कर पाता है
3. धन की पूजा व्यक्ति को स्वार्थी बनाती है
4. धन कमाने की अपेक्षा सच्चा मनुष्य होना ज्यादा अच्छा है

**Testbook Solution** Correct Option - 4

**Que. 159** शुद्ध शब्द छाँटिए -

1. अभ्यस्थ
2. अभियस्त
3. अभ्यस्त
4. अभयस्त

**Testbook Solution** Correct Option - 3

**Que. 160** कौन-सा शब्द तुर्की भाषा का नहीं है?

1. पैगम्बर
2. बेगम
3. चेचक
4. बारूद

**Testbook Solution** Correct Option - 1

**Que. 161** जल, प्राण, पुत्र, किस शब्द का अनेकार्थी है?

1. औषधि
2. सार
3. तत्व
4. जीवन

**Testbook Solution** Correct Option - 4

**Que. 162** उपवाक्य पहचानिए -

"वह आदमी जो कल आया था, आज भी आया है।"

1. संज्ञा उपवाक्य
2. विशेषण उपवाक्य
3. क्रिया विशेषण उपवाक्य
4. क्रिया उपवाक्य

**Testbook Solution** Correct Option - 2

**Que. 163** कौन-सी धनि महाप्राण नहीं है?

1. ख

2. घ
3. ज
4. झ

**Testbook Solution** Correct Option - 3

**Que. 164** निम्नलिखित पद में कौन-सा पद 'वैया' प्रत्यय लगाने से बना है?

1. रवैया
2. डॉया
3. खवैया
4. बचैया

**Testbook Solution** Correct Option - 3

**Que. 165** निम्न में एक 'देवता' का पर्यायवाची नहीं है -

1. निर्जर
2. त्रिदश
3. किकर
4. गीर्वाण

**Testbook Solution** Correct Option - 3

**Que. 166** 'अन्वीक्षण' का सम्बन्धित विच्छेद करिए -

1. अन + वीक्षण
2. अनु + ऐषण
3. अनु + ईक्षण
4. अन्वी + क्षण

**Testbook Solution** Correct Option - 3

**Que. 167** 'गौः + चरति' की सन्धि है -

1. गोस्चरति
2. गौचारति
3. गौश्वरति
4. गौहचरति

**Testbook Solution** Correct Option - 3

**Que. 168** 'ठेठ हिन्दी का ठाठ' किसकी रचना है?

1. ज्योतिरीश्वर ठाकुर
2. अयोध्यासिंह उपाध्याय 'हरिऔध'
3. किशोरीदास बाजपेयी
4. चंद्रधर शर्मा गुलेरी

**Testbook Solution** Correct Option - 2

**Que. 169**

शुद्ध वाक्य छाँटिए -

1. उस वन में प्रातःकाल के समय का दृश्य बहुत ही सुहावना होता था ।
2. उस वन में सुबह के समय का दृश्य बहुत ही सुहावना होता था ।
3. उस वन में प्रातःकाल का दृश्य बहुत ही सुहावना होता था ।
4. उस वन में सवेरे के समय का दृश्य बड़ा ही मनोरम होता था ।

**Testbook Solution** Correct Option - 3

**Que. 170** किस शब्द में उपसर्ग नहीं है?

1. अपवाद
2. पराजय
3. प्रभाव
4. ओढ़ना

**Testbook Solution** Correct Option - 4

**Que. 171** निम्नलिखित में स्त्रीलिंग शब्द है -

1. किन्नर
2. अहिंसा
3. अंतरी
4. अपरिग्रह

**Testbook Solution** Correct Option - 2

**Que. 172** 'रत्नावली दोहा संग्रह' किसके द्वारा रचा गया?

1. रत्नावली
2. तुलसीदास
3. बिहारी
4. रामानन्द

**Testbook Solution** Correct Option - 1

**Que. 173** लिंग बताइये -

मन - गढ़न्त

1. पुलिंग
2. स्त्रीलिंग
3. उभयलिंग
4. नपुंसकलिंग

**Testbook Solution** Correct Option - 2

**Que. 174** वाक्यांश का एक शब्द बनाइये -

'जिसके हृदय में ममता नहीं है।'

1. निर्मम
2. निर्दय

3. निर्भय
4. निहृदय

**Testbook Solution** Correct Option - 1

**Que. 175** किस वाक्य में विराम चिह्न का उचित प्रयोग नहीं है?

1. मैं मनुष्य में मानवता देखना चाहती हूँ।
2. वह दूर से, बहुत दूर से आ रहा है।
3. सुनो ! सुनो ! वह गा रही है।
4. प्रिय महाशय, मैं आपका आभारी हूँ।

**Testbook Solution** Correct Option - 3

