Home Assignment
for SSC & Railways Aspirants

1. **Direction**: Study the following table carefully and answer the questions given below.

Quantity of various dry fruits (in kg) sold by a shopkeeper during the six months of a year.

Food items	July	August	September	October	November	December
Almond	300	250	230	210	260	220
Peanut	350	380	370	365	350	360
Cashew	330	350	290	285	300	320
Raisin	340	310	300	255	230	245

What is the difference between the average quantity of Cashew sold in all the given months together and the average quantity of Raisin sold in all the given months together?

A. 31.8 kg   B. 32.5 kg
C. 41 kg   D. 16.45 kg
E. None of these

2.The quantity of Peanuts sold in the month of November is approximately what percentage of the total quantity of dry fruits sold in the same month?

A. 30.70%   B. 42.5%
C. 33.65%   D. 28.75%
E. None of these

3.The difference between the total quantity of Almond and total quantity of Peanuts sold during the given months, is what percentage of total sale of Dry fruits in the month of December?

A. 61.57%   B. 77.25%
C. 60%   D. 55%
E. None of these

4.What is the average quantity of dry fruits per category per month sold from July to November together? (rounded off to two digits after decimal).
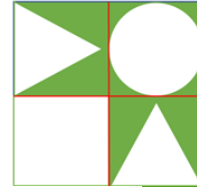
A. 250 kg   B. 480 kg
C. 323.75 kg   D. 302.75 kg
E. None of these

5.What is the respective ratio of the total quantity of Dry fruits sold in the month of August to the total quantity of Dry fruits sold in the month of September?

A. 230:2491   B. 129:119
C. 22:19   D. 24:31
E. None of these

6.In the given figure a square of side length 14 cm is divided into four equal identical part. Two largest possible equilateral triangles are drawn within two part of the squares and a circle is drawn within third part of the square. What is the area of the shaded region?

A. $\frac{1}{2}\left(31 - 7\sqrt{3}\right) cm^2$

B. $\frac{3}{2}\left(31 - 7\sqrt{3}\right) cm^2$

C. $\frac{5}{2}\left(31 - 7\sqrt{3}\right) cm^2$

D. $\frac{7}{2}\left(31 - 7\sqrt{3}\right) cm^2$

7. If
$(x^2 - 1)(x + 3)(x - 11)(x + 8)(x + 2) = c_0 + c_1 x + c_2 x^2 + \cdots + c_6 x^6$,

then what is the value of c_5?
A. 1   B. 2
C. -2   D. 3

8. If $\sin x - \tan^2 x = 1$, then the value of $\sec^4 x + \cosec x$?
A. 1   B. -1
C. 2   D. 0

9. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Scientific management of the glacial rivers and lakes of the Himalayas is the (###Q1###) way to take care of the irrigation and drinking water needs of millions of people in the Gangetic plains. (###Q2###) milk and dumping bodies would not bring purity to any river. Some religious persons have expressed (###Q3###) that the Gangotri glacier is receding, and Ma Ganga would disappear like the ancient river Saraswati. In the Harappan Age of the river Saraswati, geological faults were not known. Today, with the (###Q4###) in science, we are in a position to know about the natural

changes likely to occur in the future. Geological and hydrological knowledge makes it possible to manage the (###Q5###) of natural resources. We cannot control natural forces but we can plan and prepare for their better management.

rivers and lakes of the Himalayas is the _____ way to take care
A. some   B. no
C. only   D. many

10. _____ milk and dumping bodies would not
A. dumping   B. pouring
C. spilling   D. discharging

11. Some religious persons have expressed _____ that
A. view   B. concern
C. threat   D. chance

12. Today, with the _____ in science
A. reformation   B. encouragement
C. growth   D. advancement

13. makes it possible to manage the _____ of natural resources
A. sustainability B. stability
C. security   D. durability

14. In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
There has been a sharp (###Q1###) in the population of vultures in the country which has come down from 40 million to 19,000 in a (###Q2###) of over three decades, the Environment Ministry told the Parliament on Friday. The crash in population was first (###Q3###) in the mid-90s and by 2007, there was a 99% decline in the population of the vultures. The Minister said nationwide vulture surveys are being (###Q4###) out by the Bombay Natural History Society (BNHS) every four years sponsored by the Ministry of Environment and Forest Departments of various States (###Q5###) 1990. Based on the latest survey carried out in 2015 and the results

published in 2017, there were about 6,000 White-backed vultures, 12,000 Long-billed vultures and 1,000 Slender-billed vultures.
There has been a sharp _____ in
A. rise   B. decline
C. diminish   D. lowering

15. come down from 40 million to 19,000 in a _____ of over three decades,
A. length   B. stretch
C. span   D. difference

16. The crash in population was first _____ in the mid-90s
A. noticed   B. invented
C. got   D. confirm

17. nationwide vulture surveys are being _____ out
A. let   B. carried
C. conveyed   D. taken

18. Environment and Forest Departments of various States _____ 1990.
A. for   B. since
C. from   D. about

19. The World Photography Day (WPD) is observed every year on _____.
A. 20th August   B. 19th August
C. 11th August   D. 15th August
E. None of these

20. To boost the chemical industry India's first Central Institute of Chemical Engineering & Technology (CICET) will be set up in which state?
A. Maharashtra   B. Karnataka
C. Gujarat   D. Delhi
E. Haryana

21. Which of the following cities hosted the international conference on teacher education?
A. New Delhi   B. Ranchi
C. Patna   D. Pune
E. Bhopal

22. Who among the following has been appointed as the MD and CEO of Vodafone Idea?

A. K Thangaraj   B. Madhur Bhatia
C. Ravinder Takkar   D. Ankita Gulati
E. Balesh Sharma

23. Which of the following states has announced to establish 'Lemru Elephant Reserve'?
A. Manipur   B. Odisha
C. Chhattisgarh   D. Haryana
E. Punjab

24. What is the theme of World Humanitarian Day 2019?

A. NotATarget
B. Women Humanitarians
C. We are Humanitarian Workers
D. People Helping People
E. I Was Here

25. Who received 2019 Maharshi Badrayan Vyas Samman in Sanskrit?
A. SujataTripathi
B. Anoma Shriram Sakhare
C. Santhosh Thottingal
D. Chand KiranSaluja
E. None of the above

RRB NTPC 2019
Online Test Series

1. Based on the Latest Exam Pattern

2. Available in Hindi & English

3. All India Rank & Performance Analysis

4. Detailed Explanation of Solutions

5. Available on Mobile & Desktop

gradeup