

**NABARD Grade A Prelims 2022 Memory
Based Questions – 7 September**

1. Nobel Peace Prize for 2021 has been conferred to Maria Ressa and Dmitry Muratov for _____

- A. For their courageous fight for freedom of expression
- B. For their efforts to end the use of sexual violence as weapon of war and armed conflict
- C. For its work in destroying chemical weapons
- D. For the security and women's rights
- E. For his long and non-violent struggle for fundamental human rights in China

Ans: A

Sol-

The journalists Maria Ressa and Dmitry Muratov have been honoured with the Nobel peace prize 2021.

Reason: For their courageous fight for freedom of expression in the face of authoritarian governments.

Maria Ressa:

She is a Filipino-American journalist and author, the co-founder and CEO of Rappler.

She is the first Filipino recipient of the Nobel Peace Prize.

Dmitry Muratov:

He is a Russian journalist, television presenter and the editor-in-chief of the Russian newspaper Novaya Gazeta.

2. International Literacy Day (ILD) is being observed every year across the world on_.

- A. 5 September
- B. 8 October
- C. 8 September
- D. 9 December
- E. 10 October

Ans: C

International Literacy Day (ILD) is being observed every year across the world on 8 September.

It was celebrated for the first time in 1967.

This day was declared by UNESCO on 26 October 1966 at the 14th session of UNESCO's General Conference.

Aim: To highlight the importance of literacy to individuals, communities and societies.

3. A pan-India electronic trading portal named eNAM, is associated with which sector?

- A. Service Sector
- B. Agriculture Sector
- C. Manufacturing Sector
- D. Commerce Sector
- E. Education Sector

Ans: B

National Agriculture Market (eNAM):

It is a pan-India electronic trading portal which networks the existing APMC mandis.

Aim: To create a unified national market for agricultural commodities.

Small Farmers Agribusiness Consortium (SFAC) is the lead agency for implementing eNAM under the aegis of Ministry of Agriculture and Farmers' Welfare.

Vision: To promote uniformity in agriculture marketing by streamlining of procedures across the integrated markets, removing information asymmetry between buyers and sellers and promoting real time price discovery based on actual demand and supply.

4. Total 43 existing Regional Rural Banks (RRBS) in India are operated by how many commercial banks?

- A. 12
- B. 13
- C. 14
- D. 15
- E. 10

Ans: A

As on 31 March 2022, there were 43 RRBs which are sponsored by 12 Scheduled Commercial Banks with 21,892 branches with operations extending to 29.68 Crore deposit accounts and 2.72 Crore loan accounts in 26 States and 3 Union Territories (Puducherry, Jammu & Kashmir, Ladakh).

92% of the RRB branches are located in rural/ semi-urban areas.

The States of Goa and Sikkim do not have RRBs.

All the public sector banks, except Punjab & Sind Bank, sponsor one or more RRBs.

J&K Bank is the only private sector bank to sponsor an RRB.

There were no amalgamations in the RRBs during FY 2021-22.

5. In which category of women's weightlifting, silver medalist, Mirabai Chanu won the Tokyo Olympics 2021?

- A. 55kg
- B. 59kg
- C. 64kg
- D. 76kg
- E. 49 Kg

Ans: E

Saikhom Mirabai Chanu won the silver medal at the 2020 Tokyo Olympics.

She has lifted a total of 202 kg to finish in second place in the women's 49 kg category.

Chanu was the first Indian athlete to win a medal at the Tokyo Olympics.

She has become the second Indian weightlifter after Karnam Malleswari to win an Olympic medal.

6. Which of the following is the implementing agency of Pradhan Mantri Suraksha Bima Yojana(PMSBY)?

- A. Department of Industrial Policy and Promotion
- B. Public Sector General Insurance Companies
- C. National Informatics Centre
- D. Department of Electronics and IT
- E. Pension Fund Regulatory and Development Authority

Ans: A

Pradhan Mantri Suraksha Bima Yojana(PMSBY):

Implemented agency: Public Sector General Insurance Companies or any other General Insurance Company.

The Scheme is available to people in the age group 18 to 70 years.

□ The risk coverage under the scheme is Rs.2 lakh for accidental death and full disability and Rs. 1 lakh for partial disability.

Premium: Rs. 20 per annum

7. Who administers Atal Pension Yojana (APY), a pension scheme for citizens of India focused on the unorganized sector workers?

- A. Department of Financial Services
- B. Pension Fund Regulatory and Development Authority
- C. Human Resource Development
- D. Public Sector General Insurance Companies
- E. Department of Industrial Policy and Promotion

Ans: B

Atal Pension Yojana (APY):

It is administered by Pension Fund Regulatory and Development Authority (PFRDA).

APY is open to all bank account holders in the age group of 18 to 40 years.

The Atal Pension Yojana (APY) was launched on May 9, 2015.

Aim: To create a universal social security system for all Indians, especially the poor, the under-

privileged and the workers in the unorganised sector.

8. National Rail and Transportation Institute in Vadodara has been renamed as_____.

- A. Gati Shakti Vishwavidyalaya
- B. Indian Railway University
- C. National Academy of Indian Railways
- D. Zonal Railways Training University
- E. National Railway Vishwavidyalaya

Ans: A

The National Rail and Transportation Institute in Gujarat has been upgraded to a central university and will be known as the Gati Shakti Vishwavidyalaya.

The Union Cabinet approved to introduce a Bill in Parliament, namely, the Central Universities (Amendment) Bill, 2022 to amend the Central Universities Act, 2009 for setting up Gati Shakti Vishwavidyalaya (GSV).

This is the second central university in the state following the Central University of Gujarat.

9. The House of Lords is the second parliamentary system of which country?

- A. United States of America

- B. France
- C. Bhutan
- D. Malaysia
- E. United Kingdom

Ans: E

The House of Lords in Great Britain is considered as an important Institution.

The House of Lords, also known as the House of Peers, is the upper house of the Parliament of the United Kingdom.

Membership is granted by appointment or else by heredity or official function.

Like the House of Commons, it meets in the Palace of Westminster.

10. NASA's James Webb Space Telescope has delivered the deepest and sharpest infrared image of the distant universe so far. Webb's First Deep Field is _____

- A. Galaxy cluster 'SMACS 1234'
- B. Galaxy cluster 'SMACS 2323'
- C. Galaxy cluster 'SMACS 0723'
- D. Galaxy cluster 'SMACS 4521'
- E. Galaxy cluster 'SMACS 9451'

Ans: C

The NASA/ESA/CSA James Webb Space Telescope has produced the deepest and sharpest infrared image of the distant Universe, which is known as Webb's First Deep Field, this image of galaxy cluster SMACS 0723 is overflowing with detail.

This deep field was taken by Webb's Near-Infrared Camera (NIRCam).

The image shows the galaxy cluster SMACS 0723 as it appeared 4.6 billion years ago.

10 Questions from ARD

1. What is the average gestation period of the sheep?

- A. 125 days
- B. 152 days
- C. 172 days
- D. 230 days
- E. 360 days

Ans: B

The gestation period of sheep is between 142 to 152 days, so 147 days is often taken as the average.

2. What is the Scientific name of teak?

- A. Shorea robusta
- B. Tectona grandis
- C. Dendrocalamus strictus

D. Acacia arabica

E. Azadirachata Indica

Ans: B

The correct answer is option B, i.e., Tectona grandis. It is one of the most widely distributed timber species all around the state. Its scientific name is Tectona grandis which is common teak. It is easily found in the following districts namely Harda, Dewas, Sehore, Bhopal, Raisen, Vidisha, Betul, Hoshangaba, etc.

3. Which scheme was launched by the Union government to brand the Centre's fertilizer subsidy programme as a prime minister's scheme?

- A. Pradhanmantri Bharatiya Janurvarak Pariyojana
- B. Meri Fasal Mera Byora Yojana
- C. Soil Health Card Yojana
- D. PM Kisan Yojana
- E. None of the above

Ans: A

The Ministry of Chemicals and Fertilisers has decided to brand all fertilizers as "One nation, one fertilizer" under the name Pradhanmantri Bhartiya Januvarak Pariyojna (PMBJP).

Under the new "One Nation One Fertiliser" scheme, companies are allowed to display their name, brand,

logo and other relevant product information only on one-third space of their bags. . On the remaining two-thirds space, the "Bharat" brand and Pradhanmantri Bharatiya Jan Urvarak Pariyojana logo will have to be shown.

The single brand name for UREA, DAP, MOP and NPK etc. would be BHARAT UREA, BHARAT DAP, BHARAT MOP and BHARAT NPK etc. respectively for all Fertiliser Companies, State Trading Entities (STEs) and Fertiliser Marketing Entities (FMEs).

As mentioned earlier, the logo indicating Fertiliser subsidy scheme namely Pradhanmantri Bhartiya Janurvarak Pariyojna will be used on fertiliser bags.

4. Which state has launched the 'Meri Fasal Mera Byora' portal?

- A. Punjab
- B. Rajasthan
- C. Haryana
- D. Madhya Pradesh
- E. Chhattisgarh

Ans: C

The Haryana government has launched the 'Meri Fasal Mera Byora' portal whereby farmers can avail of benefits of several government schemes directly after uploading their crop-related details.

This simple system will enable farmers to self-report their land and crop details and help them receive benefits of several government schemes directly.

The portal -- www.fasalhry.in -- has brought the departments of agriculture and farmers welfare, revenue, food civil supplies and consumer affairs and science and technology on a single platform for the betterment of the farmers

5. Commercial propagation of papaya is done through_____.

- A. Rhizome
- B. Bulb
- C. Sucker
- D. Seeds
- E. Tuber

Ans: D

Papaya is commercially propagated by seed and tissue culture plants. The seed rate is 250-300 g./ha. The seedlings can be raised in nursery beds 3m. long, 1m. wide and 10 cm. high as well as in pots or polythene bags. The seeds after being treated with 0.1% Monosan (phenyl mercuric acetate), ceresan etc. are sown 1 cm. deep in rows 10 cm. apart and covered with fine compost or leaf mould. Light irrigation is provided during the morning hours. The nursery beds are covered with polythene sheets or dry

paddy straw to protect the seedlings. About 15-20 cm. tall seedlings are chosen for planting in about two months.

6. Agriculture sector contributes _____ to the GVA of the Indian economy for 2021-22.

- A. 10.5%
- B. 12.7%
- C. 15.8%
- D. 18.8%
- E. 20.2%

Ans: D

According to the Economic Survey 2021-22 the agriculture and allied sector is the largest employer of the workforce as it accounted for a sizeable 18.8 percent (2021-22) of Gross Value Added (GVA) of the country.

The livestock sector has grown at a CAGR of 8.15 per cent over the last five years ending 2019-20.

As revealed by the latest Situation Assessment Survey (SAS), the sector has been a stable source of income across groups of agricultural households accounting for abopercntr cent of their average monthly income.

7. Which substance is used for the degreening process of removing the

green colour (chlorophyll) from the skin of fruit after harvest?

- A. Acetylene gas
- B. Chloroform
- C. Sprite
- D. Ethylene gas
- E. Sodium Hydroxide

Ans: D

Degreening is the process of removing the green colouring (known as chlorophyll) from the skin of citrus fruit. This is achieved by introducing measured amounts of ethylene gas into a temperature and humidity controlled environment.

It is important to note that only mature fruit is suitable for degreening.

The reason is two-fold; firstly, immature fruit has very high acid levels and low sugar levels which do not meet the Australian Citrus Standard (ACS), and secondly, citrus fruit is non-climacteric.

This means that unlike tomatoes, peaches or pineapples, it will not continue to ripen after harvest.

8. Project CHAMAN was launched with the aim of helping which branch of Agriculture?

- A. Pomology
- B. Forestry

- C. Horticulture
- D. Olericulture
- E. None of the above

Ans: C

Project CHAMAN was launched with the aim of helping the horticulture segment of Indian agriculture. This project aims to make use of the Geo-informatics to help the farmers and policymakers in the Government. Learn more about the horticulture segment and the salient features of Project CHAMAN.

9. Which one among the following is air-breathing fish?

- A. Carp
- B. tuna
- C. Magur
- D. Salmon
- E. Bass

Ans: C

The Indian catfish, *Clarias magur* (previous name *C. batrachus*) is an air breathing fish, inhabitant of aquatic bodies characterized by low dissolved oxygen levels. It is exposed to hypoxic conditions in its natural habitat.

10. Percentage of population dependent on agriculture is_____.

- A. 44.5%

- B. 48.6%
- C. 51.7%
- D. 52.5%
- E. 54.6%

Ans: E

Agriculture plays a vital role in India's economy. 54.6% of the total workforce is engaged in agricultural and allied sector activities (Census 2011) and accounts for 17.8% of the country's Gross Value Added (GVA) for the year 2019-20 (at current prices)

ESI 10 Questions:

1. Which of the following is not an indicator used for the calculation of Multi-Dimensional Poverty Index?

- A. Child Mortality
- B. Years of Schooling
- C. Cooking fuel
- D. Employment
- E. Electricity

Sol. D

Sol. The Global Multidimensional Poverty Index (MPI) was developed in 2010 by the Oxford Poverty & Human Development Initiative (OPHI) and the United Nations Development Programme and uses different factors to determine poverty beyond income-based lists. It replaced the previous Human Poverty Index. The global MPI

is released annually by OPHI and the results published on its website.



India has been ranked **37th** out of 103 nations in the 2017 global Multi-dimensional Poverty Index (MPI), according to a new report by the **Oxford** Poverty & Human Development Initiative.

2. What is the growth rate of Agriculture and allied sectors as per Economic Survey 2021-22?

- A. 2.1%
- B. 3.9%
- C. 4.8%
- D. 11.8%
- E. 8.2%

Sol. B

Sol.

- Economic Survey 2021-22 outlines the growth of agriculture and allied sectors by 3.9 percent in 2021-22, after growing by 3.6 per cent in 2020-21.

3. Constitution of India guarantees the right to freedom of religion under which article?

- A. Article 25

- B. Article 29
- C. Article 19
- D. Article 23
- E. Article 21

Sol. A

Sol.

- * Right to Freedom of Religion is guaranteed to all Indians by the Constitution under Articles 25 to 28.

- * Right to freedom of religion to not only individuals but also religious groups in India.

- * Article 25: Freedom of conscience and free profession, practice, and propagation of religion

- * Article 26: Freedom to manage religious affairs

- * Article 27: Freedom to payment of taxes for promotion of any particular religion

- * Article 28: Freedom to attend religious instructions or religious worship in certain educational institutions.

4. What is India's rank in the Global Food Security (GFS) Index 2021?

- A. 41st
- B. 51st
- C. 61st
- D. 71st
- E. 81st

Sol. D

Sol.

- India has been ranked 71st in the Global Food Security (GFS) Index 2021 among 113 countries with a score of 57.2 points
- GFS Index is published by London-based Economist Impact and is sponsored by Corteva Agriscience.
- Top performers: Ireland, Australia, the UK, Finland, Switzerland, the Netherlands, Canada, Japan, France and US.
- Worst performers: Burundi
- China has been ranked 34th, Pakistan ranked 75th, Sri Lanka (77th Position), Nepal (79th position) and Bangladesh (84th position).

5. After the Finance ministry nod, what is the revised premium rates of Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) with effect from June 1, 2022?

- A. ₹436
- B. ₹350
- C. ₹427
- D. ₹330
- E. ₹476

Sol. A

Sol.

- The Finance Ministry has approved hiking the premium rates of Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) and Pradhan Mantri Suraksha Bima Yojana (PMSBY).
- The premium rates have been revised by making it ₹1.25 per day premium for both schemes.
- Revised premium rate for PMJJBY is ₹436, earlier it was ₹330 and PMSBY hiked from ₹12 to ₹20.
- Government set a target to increase the coverage to 15 crore under PMJJBY and to 37 crore under PMSBY in the next five years .

6. What is India's rank in the Global Gender Gap Index 2022 among 146 countries released by the World Economic Forum?

- A. 128th
- B. 130th
- C. 134th
- D. 135th
- E. 140th

Sol. D

Sol.

* The World Economic Forum has released the Global Gender Gap Index for 2022 in which India ranked 135 out of 146 countries.

* India was ranked 140 out of 156 countries in 2021.

* Top 10: Iceland, Finland, Norway, New Zealand, Sweden, Rwanda, Nicaragua, Namibia, Ireland, Germany.

* Worst performing: Afghanistan (146), Pakistan (145), Congo (144), Iran (143)

* India's neighbouring countries: Bangladesh (71), Nepal (96), Sri Lanka (110), Maldives (117) and Bhutan (126)

7. Eight Degree Channel separates which of the following?

- A. Little and South Andaman
- B. India and Myanmar
- C. Andaman and Nicobar Islands
- D. Lakshadweep and Maldives
- E. None of the above/More than one of the above

Sol. D

Sol. The maritime boundary between the Maldives and India runs through the Eight Degree Channel. It separates the islands of Minicoy and Maldives. Maliku Kandu and Māmalē Kandu Divehi are the traditional names of the Eight Degree Channel. It is so named

as it lies on the 8-degree line of Latitude, north of the equator.

8. Which of the following states have been ranked first in the Food Safety and Standards Authority of India's (FSSAI), 4th State Food Safety Index in the large state category?

- A. Maharashtra
- B. Tamil Nadu
- C. Kerala
- D. Madhya Pradesh
- E. Gujarat

Sol. B

Sol.

- Union Health Minister, Mansukh Mandaviya has released the Food Safety and Standards Authority of India's (FSSAI), 4th State Food Safety Index.

- Aim: To measure the performance of states across five parameters.

- Tamil Nadu topped the list among large states followed by Gujarat and Maharashtra.

- Smaller states: Goa(1st) followed by Manipur and Sikkim.

- UTs: Jammu & Kashmir, Delhi and Chandigarh

1. _____ declared 2023 as International Year of Millets and _____ is the production of millets in India in 2020-21.

- A. UNGA, 18.11 million tonnes
- B. UNGA, 17.96 million tonnes
- C. UNESCO, 18.11 million tonnes
- D. UNICEF, 17.96 million tonnes
- E. FAO, 20 million tonnes

Sol: B

United Nation's General Assembly (UNGA) declared 2023 as International Year of Millets.

Production of millets has increased from 14.52 million tonnes in 2015-16 to 17.96 million tonnes in 2020-21.

###Topic###Economic and Social Issues||Global Economy||International Organisations###

2. As per Budget 2022-23, what is the estimate of per capita income in 2022-23 under India@75" vision?

- A. \$5,000
- B. \$4,000
- C. \$3,000
- D. \$2,000
- E. \$1,000

Sol: C

As per the budget 2022-23, main target for the "India@75" vision is to increase per capita income from \$1,900 in 2017-18 to \$3,000 in 2022-23.07-Mar-2022

1. Direction: Study the following data carefully and answer the questions accordingly.

Certain number of people sit in a row facing north. Only three people sit between B and D. E sits second to the left of D. Three people sit between D and C who sits at the extreme end of the row. Only One person sits between C and G. Only Nine people sit between G and A. Number of people sit to the left of G is same as the number of people sit to the right of A .

How many people sit to the left of B?

- A. Four
- B. Six
- C. Three
- D. One
- E. Two

Sol. B

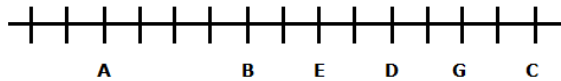
Sol.

2. How many people sit between A and D?

- A. None
- B. One
- C. Six
- D. Three
- E. Seven

Sol. E

Sol.

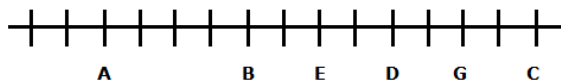


3. Who sits fourth to the right of B?

- A. G
- B. D
- C. E
- D. C
- E. None of these

Sol. B

Sol.



4. What will come in place of @ and # to make the expressions $L > H$ and $B \leq T$ definitely true?

$$L \geq M @ N = P \geq H < B = F \# R = T < S$$

- A. $>$ and $<$
- B. \leq and $=$
- C. $<$ and \leq
- D. $>$ and \leq
- E. None of these

Sol. D

Sol.

$$L \geq M > N = P \geq H < B = F \leq R = T < S$$

Conclusion:

$L > H$ definitely true

$B \leq T$ definitely true

5. What will come in place of @ and \$ to make the expressions $U > F$ and $D \geq G$ definitely true?

$$U > H \geq G = T @ F \leq R = E \$ D < W = S$$

- A. $=$ and \leq
- B. $>$ and \leq
- C. \geq and \leq

- D. = and <
E. None of these

Sol. A

Sol.

$$U > H \geq G = T = F \leq R = E \leq D < W = S$$

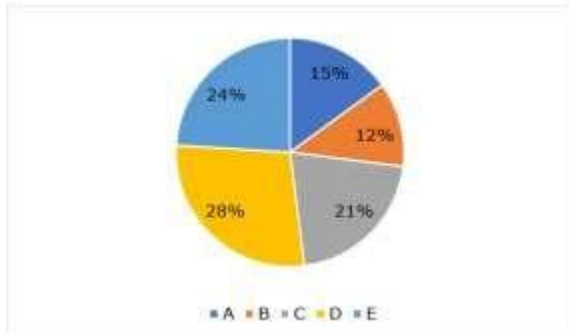
Conclusion:

$$U > F \text{ and } D \geq G \text{ definitely true}$$

6.

Direction: Study the following pie chart carefully and answer the given questions.

The given below pie chart shows the percentage distribution of total students in five colleges-A, B, C, D and E. The average number of students in college A, C and E is 100.



What is the total number of students in all the five colleges?

- A. 400

- B. 750
C. 500
D. 450
E. 540

Sol. C

Sol.

Total number of students in college A, C and E = $100 \times 3 = 300$

Sum of the percentage values for colleges A, C and E = $15\% + 21\% + 24\% = 60\%$

60% of the total number of students in all five colleges = 300

So, the total number of students in all

$$\text{five colleges} = \frac{100}{60} \times 300 = 500$$

College	Number of students
A	15% of 500 = $15 \times 5 = 75$
B	12% of 500 = $12 \times 5 = 60$
C	21% of 500 = $21 \times 5 = 105$
D	28% of 500 = $28 \times 5 = 140$
E	24% of 500 = $24 \times 5 = 120$

7. If the ratio of boys to girls in college D is 4 : 3 and then find the difference between the number of boys in college D and the total number of students in college C

- A. 25
B. 15

- C. 20
- D. 18
- E. None of these

Sol. A

Sol.

Total number of students in college A, C and E = $100 \times 3 = 300$

Sum of the percentage values for colleges A, C and E = $15\% + 21\% + 24\% = 60\%$

60% of the total number of students in all five colleges = 300

So, the total number of students in all five colleges = $\frac{100}{60} \times 300 = 500$

College	Number of students
A	15% of 500 = $15 \times 5 = 75$
B	12% of 500 = $12 \times 5 = 60$
C	21% of 500 = $21 \times 5 = 105$
D	28% of 500 = $28 \times 5 = 140$
E	24% of 500 = $24 \times 5 = 120$

Number of boys in college D = $\frac{4}{7} \times 140 = 80$

Required difference = $105 - 80 = 25$

8. The number of teachers in college E is 25% of the number of girls in college B and the number of boys in college B is 20% of the total number of students

in college D. Find the ratio number of teachers to the students in college E

- A. 3 : 20
- B. 1 : 15
- C. 2 : 9
- D. 1 : 17
- E. None of these

Sol. B

Sol.

Total number of students in college A, C and E = $100 \times 3 = 300$

Sum of the percentage values for colleges A, C and E = $15\% + 21\% + 24\% = 60\%$

60% of the total number of students in all five colleges = 300

So, the total number of students in all five colleges = $\frac{100}{60} \times 300 = 500$

College	Number of students
A	15% of 500 = $15 \times 5 = 75$
B	12% of 500 = $12 \times 5 = 60$
C	21% of 500 = $21 \times 5 = 105$
D	28% of 500 = $28 \times 5 = 140$
E	24% of 500 = $24 \times 5 = 120$

Number of boys in college B = 20% of 140 = 28

Number of girls in college B = $60 - 28 = 32$

Number of teachers in college E = 25% of 32 = 8

Required ratio = 8 : 120 = 1 : 15

9. If the number of students in another college F is equal to average number of students in college B and E, then the number of students in college F is what percentage of the number of students in college A?

- A. 125%
- B. 75%
- C. 90%
- D. 105%
- E. 120%

Sol. E

Sol.

Total number of students in college A, C and E = $100 \times 3 = 300$

Sum of the percentage values for colleges A, C and E = $15\% + 21\% + 24\% = 60\%$

60% of the total number of students in all five colleges = 300

So, the total number of students in all

five colleges = $\frac{100}{60} \times 300 = 500$

College	Number of students
A	15% of 500 = $15 \times 5 = 75$
B	12% of 500 = $12 \times 5 = 60$
C	21% of 500 = $21 \times 5 = 105$
D	28% of 500 = $28 \times 5 = 140$
E	24% of 500 = $24 \times 5 = 120$

Average number of students in college

$$\text{B and E} = \frac{60 + 120}{2} = 90$$

$$\text{Required percentage} = \frac{90}{75} \times 100 = 120\%$$

10. A boat travels a distance D1 downstream in 3 hours 20 min and then it travels a distance D2 upstream in 5 hours. If the ratio of D1 and D2 is 7 : 6 and the speed of stream is 6 km/h, find the speed of boat in still water.

- A. 18 km/h
- B. 24 km/h
- C. 30 km/h
- D. 22 km/h
- E. 15 km/h

Sol. D

Sol.

Let the D1 and D2 be 7s km and 6s km respectively.

Also, let the speed of boat in still water be x km/h.

3 hours 20 min = 200 min

5 hours = 300 min

According to question,

$$\frac{\frac{7s}{x+6}}{\frac{6s}{x-6}} = \frac{200}{300}$$

$$\Rightarrow \frac{7s}{x+6} \times \frac{x-6}{6s} = \frac{2}{3}$$

$$\Rightarrow \frac{x-6}{x+6} = \frac{4}{7}$$

$$\Rightarrow 7x - 42 = 4x + 24$$

$$\Rightarrow 3x = 66$$

$$\Rightarrow x = 22$$

11.

Direction: In the following question, a phrase is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning.

Under the weather

I. I don't feel like hanging out today as I'm feeling a bit **under the weather**.

II. She has just returned from her vacation, but is feeling **under the weather** and has a sore throat and running nose.

III. Police said he appeared to be **under the weather** of alcohol and was staggering.

A. Only I

B. Only II

C. Only III

D. Both II and III

E. Both I and II

Sol. E

Sol. The correct answer is E

Under the weather means to be ill.

III: The correct phrase to be used here is under the influence.

12.

Layoff

I. Because an infant's skin is so delicate, it's better to **lay off** topical ointments if possible.

II. The band finally has a new album after a three year **layoff**.

III. The **layoff** happened for no fault of the employee and was a result of company downsizing.

A. Only I

B. Only II

C. Both II and III

- D. Both I and II
- E. All I, II and III

Sol. E

Sol.

Meaning :

a. give up or stop doing something. - As used in first sentence

b. discharge a worker temporarily or permanently because of a shortage of work. - as used in the third sentence.

c. to refrain from doing something - as in the 2nd sentence.

13.

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any

Hardly had the principal returned (1)/ home and sat down to relax (2)/ than she received a call from school (3)/ informing her that the annex was on fire. (4)

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

- D. 4
- E. No error

Sol. C

Sol. 'hardly....when' is the combination and 'when' is missing in the third part of the sentence that needs to replace 'than'.

14. Society never takes kindly to those (1)/ who digress from a specific set of performative roles, (2)/ but that always fails to deter them (3)/ from living their lives to fullest. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Sol. D

Sol. It should be 'the fullest'. Error of articles.

15. **Direction:** In the given question, five words are printed in bold and are numbered A, B, C, D and E . The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to

make the sentence correct. Find the words that need to be exchanged.

You must **ensure** (A) your methods to **review** (B) that your current **sustainable** (C) are agile, **approaches**, (D) and use technology to **streamline** (E) your supply chain process.

- A. A-B
- B. B-C
- C. C-E
- D. C-D & A-B
- E. No exchange required

Sol. D

Sol. The correct answer is option D.

16. Many **authentication** (A) rely heavily on Windows **frameworks** (B), not only for **applications** (C) but also for security, **organizations** (D) , and overall **workflows**. (E)

- A. A-B & C-E
- B. A-D
- C. C-E
- D. C-D & A-B
- E. No exchange required

Sol. B

Sol. The correct answer is B.

17. The government of India has **household** (A) the Jal Jeevan Mission for **connection** (B) every rural **launched** (C) in all states and union territories including Rajasthan to have a **functional** (D) household tap **enabling**. (E)

- A. A-C & B-E
- B. B-C
- C. C-E
- D. C-D & A-B
- E. No exchange required

Sol. A

Sol. The correct answer is A.

18. **Direction:** In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., "No correction required".

He was a diligent employee , and had a **record of missing never a day of office** for five years in a row.

- A. record of missing never a days from office
- B. record of never missing a day of office
- C. record for missing never a day of office
- D. record of missing an day of office
- E. No correction required

Sol. B

Sol. The correct answer is B.

19. The government is looking at how the smartphone can be used as **a more universal authenticator** in future.

- A. a most universal authenticator
- B. a best universal authenticator
- C. a universal authenticator
- D. a greatest universal authenticator
- E. No correction required

Sol. C

Sol.

The correct answer is C.

20. He had to face some hassles in **locating the hospital, while the last time she visited it** was almost five years ago.

- A. locating the hospital before the last time she visited it
- B. locating the hospital after the last time he visited it
- C. locating the hospital towards the last time she visited it
- D. locating the hospital since the last time he visited it
- E. No correction required

Sol. D

Sol. D

Sol. The correct answer is D.