

**COMBO - ଓଡ଼ିଶା**  
**32,000- PYQ**  
**ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
 ପୂର୍ବ 5 ବର୍ଷର **OSSSC, OSSC, OPSC**, ପୋଲିସ, **CT, B.ED**, ଅନ୍ୟ ସବୁ ପ୍ରଶ୍ନ  
**GK, ODIA, ENGLISH, , MATH, COMPUTER, Reasoning, Pedagogy**

**GK- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**11,685- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other**

**ଓଡ଼ିଆ ବ୍ୟାକରଣ**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,343- PYQ**  
**75- TEST**  
**E-BOOK- PDF**  
**OSSSC, OSSC, OPSC, POLICE, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET, OSSSC (PEO, RI, ARI & Other) & Other**

**ENGLISH- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,582- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other Exam**

**କୋମ୍ପ୍ୟୁଟର- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**2,353- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI & Constable, Battalion, PEO, RI, AMIN, JT, RHT & Other Exams**

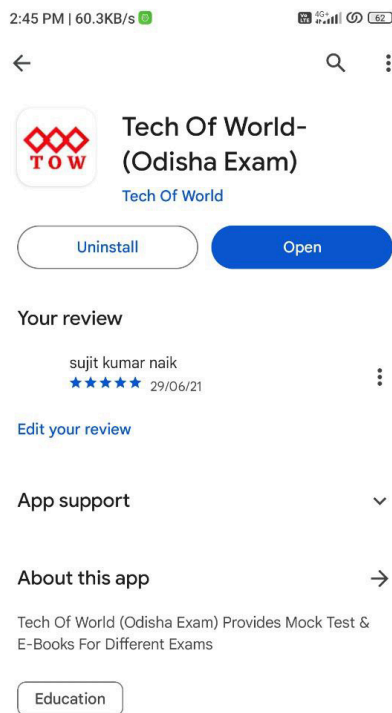
**MATH- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,000- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**E-BOOK- PDF**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other**

**PEDAGOGY ଓଡ଼ିଶାର**  
**TEACHING APTITUDE**  
**ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**1,900- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**B.ED, RHT, CT, JT, OAVS, OSSTET, OTET & Other**

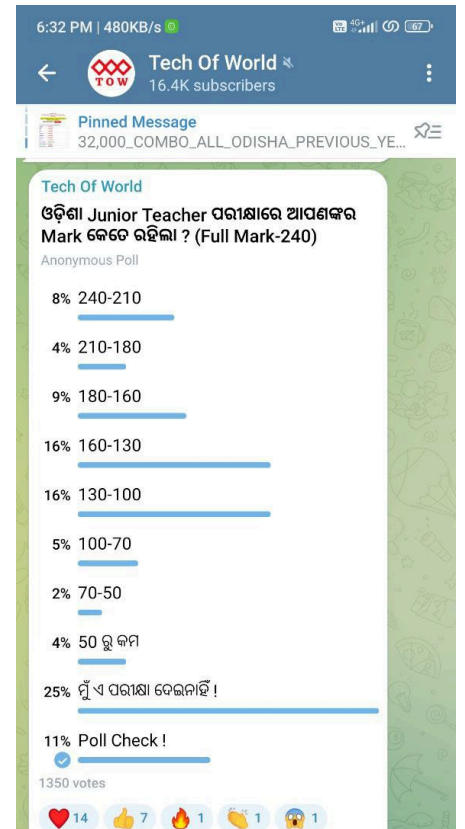
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SCRIPT : ENGLISH

E S I 2022

DO NOT OPEN THE SEAL OF THE QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO.

Question Booklet Series Code :

**D**

Question Booklet Series No :

**10872**

Time Allowed : 150 minutes

Total Questions : 150

Maximum marks : 150

There shall be negative marking @ 0.25 mark per question for wrong / multiple answers.

Before answering any question, check the Booklet that it contains 16 pages and no page is missing, mutilated or repeated. In case of defect, get it replaced immediately.

## INSTRUCTIONS FOR CANDIDATES

1. Fill in the OMR answer sheet, mentioning the Roll No. and other data as required in the place(s) indicated therein. Darken the appropriate circles in **blue** or **black ball point** pen only. Do not write any name / surname or put any symbol, sign, slogan, prayer or any mark of identification in the OMR answer sheet. Do not tamper with the bar-code or any other portion of the OMR answer sheet. **Any such act is liable to render the answer sheet unfit for evaluation.**
2. Correcting fluid, eraser, blade, books, textual material, script notes / loose paper, calculator, document, slide rules, log tables / electronic watches, smart watch, cell phone, pager, other electrical/ electronic devices etc, are not allowed inside the examination hall. In case the candidate is found to be in possession of any of the above, he / she shall be **expelled from the examination without any enquiry** as to whether the same was / were used by the candidate or not.
3. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you is incomplete or different from what you have given in the application form, **you shall be awarded Zero mark.**
4. Answer must be given by completely darkening one of the four circles / ovals representing the most appropriate answer given on the Answer Sheet corresponding to the relevant question. For answers not shown by properly darkening in **black / blue ball point pen**, no marks shall be awarded.
5. **No Rough work should be done on the OMR Answer Sheet**, Space for rough work has been provided in the Question Booklet itself.
6. After the examination is over, candidates must ensure to fold the OMR Answer Sheet at the perforation and separate the Original Copy and Candidate's Copy of the Two Part OMR Answer Sheet in the presence of the Invigilator and handover the Original Copy to the Invigilator. The Candidate's Copy of the OMR Answer sheet may be taken by the candidate. **Failure to hand over the original copy of the OMR Answer Sheet to the Invigilator before leaving the examination hall / room shall make the candidate liable for penal action.**
7. Candidates may take with them the respective question-booklet after the examination is over.
8. Failure to comply with or violation of any of the above instructions shall be considered as adopting unfair means and action as deemed proper shall be taken.

QU - 1D/14

( Turn over )

## Arithmetic

1. When a number is divided by 7 it leaves a remainder of 3. When double (i.e. twice) of that number will be divided by 7, then what would be the remainder ?  
(a) 3  
(b) 2  
(c) 6  
(d) 0
2. In the final match of IPL 2023, Chennai Super Kings (CSK) had to chase 214 runs in 20 overs. But due to rain delay, the match had been cut short to 15 overs and they had to score 171 runs to win. If, at the end of 8 overs, the score was 94 runs. Then, what was the required run rate per over, at the end of 8 overs, for CSK to win ?  
(a) 12.5  
(b) 13.2  
(c) 11  
(d) 10
3. Since Ashish overslept, so he missed his train by 10 minutes, which started from origin station exactly on time. If the average speed of the train is 50 km/hr, then, at what average speed, he must drive his car, to catch the train in the next station, which is one hour away from the origin station ?  
(a) 40 km/hr  
(b) 55 km/hr  
(c) 70 km/hr  
(d) 60 km/hr
4. How many such pair of numbers are there, whose product is 2028 and HCF is 13 ?  
(a) 4  
(b) 3  
(c) 2  
(d) 1
5. A Principal sum of money amounts to ₹ 16000 after 5 years and ₹ 19600 after 8 years at the same rate of simple interest. The rate of interest per annum is :  
(a) 5%  
(b) 8%  
(c) 12%  
(d) 15%
6. If a shopkeeper doubles the selling price of mangoes, then his profit triples. Then, find the present profit percent that he is earning, before doubling the selling price :  
(a) 100%  
(b) 300%  
(c) 150 %  
(d) 200%
7. Two numbers A and B are respectively 50% and 80% more than a third number. Then, find the ratio A : B :  
(a) 6 : 5  
(b) 5 : 6  
(c) 4 : 5  
(d) 6 : 7
8. 10 printers can print 10 question booklets in 10 minutes. How many printers will be needed to print 6000 question booklets in 10 hrs ?  
(a) 1000  
(b) 100  
(c) 10  
(d) 1
9. A and B invest in a business in the ratio 3 : 4. If 2% of the total profit goes to CSR activity and A's share is 840, then, the total profit is :  
(a) ₹ 1400  
(b) ₹ 1500  
(c) ₹ 1600  
(d) ₹ 2000
10. In an Examination of 300 marks, a student scored 72%. Dissatisfied with his result, he attempted the examination again to improve his score. How much more mark, from his previous score, should he score, to have an overall percentage of 90% ?  
(a) 54  
(b) 60  
(c) 63  
(d) 66

11. A number when divided by 6 leaves a remainder 3. When the square of the number is divided by 6, the remainder is :
- (a) 0  
(b) 1  
(c) 2  
(d) 3
12. Ayush rides his bicycle for 30 minutes at the speed of 25km/hr. Further he travels 20 minutes at the speed of 40 km/hr. Find his average speed for the entire journey :
- (a) 30 km/hr  
(b) 35 km/hr  
(c) 31km/hr  
(d) 28km/hr
13. Aditya was born two years after his father's marriage. His mother is five years younger than his father but 20 years older than Aditya who is 10 years old now. At what age did his father get married ?
- (a) 23 years  
(b) 25 years  
(c) 33 years  
(d) 35 years
14. If you write down all the numbers from 1 to 100, then how many times do you write 1 ?
- (a) 11  
(b) 18  
(c) 20  
(d) 21
15. Ajit appeared for an entrance exam. He was given 150 problems to solve. He scored 90. His score was calculated by subtracting three times the number of wrong answers from the number of correct answers. How many problems he solved correctly ?
- (a) 120  
(b) 130  
(c) 135  
(d) 140
16. Which of the following is not a leap year ?
- (a) 700  
(b) 800  
(c) 1200  
(d) 2000
17. A train running at the speed of 72 km/hr crosses a pole in 9 seconds. What is the length of the train ?
- (a) 120 metres  
(b) 180 metres  
(c) 324 metres  
(d) 150 metres
18. Bananas were bought at half-dozen for ₹ 5 and then sold at 5 Bananas for ₹ 6. What is the percentage gain or loss?
- (a) 33%  
(b) 44%  
(c) 35%  
(d) 30%
19. A pump can fill a tank with water in 2 hours. Because of a leak, it took  $2\frac{1}{3}$  hours to fill the tank. If now the pump is shut down, how much time the leak would take to drain all the water out of the tank ?
- (a) 12 hrs  
(b) 13 hrs  
(c) 14 hrs  
(d) 15 hrs
20. Piyush has Rs. 640 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?
- (a) 100  
(b) 120  
(c) 75  
(d) 90

21. If you save ₹ 1 today, ₹ 2 the next day, ₹ 3 the succeeding day and so on. Then, what will be your total savings in 365 days ?

- (a) 65759  
(b) 67659  
(c) 66795  
(d) 76579

22. Eight friends are planning to share equally the cost of bill at a restaurant. If one person withdraws from the arrangement and the others share equally the entire cost of the bill, then by how much percent, the share of each of the remaining persons increased ?

- (a) 14.28%  
(b) 11.11%  
(c) 9.09%  
(d) 16.66%

23. 4.036 divided by 0.04 gives :

- (a) 1.009  
(b) 10.09  
(c) 100.9  
(d) None of these

24. A boat can travel with a speed of 15 km/hr in still water. If the speed of the stream is 2 km/hr, find the time taken by the boat to go 85 km downstream :

- (a) 2 hours  
(b) 3 hours  
(c) 4 hours  
(d) 5 hours

25. In a race of 200 m, A can beat B by 30 m and C by 15 m. In a race of 3700 m, C will beat B by :

- (a) 100 m  
(b) 200 m  
(c) 300 m  
(d) 400 m

26. What is the angle between two hands of a clock when the time is 7 O' Clock ?

- (a)  $120^\circ$  or  $240^\circ$   
(b)  $150^\circ$  or  $210^\circ$   
(c)  $180^\circ$   
(d)  $90^\circ$  or  $270^\circ$

27. In what ratio must a shopkeeper mix two varieties of rice costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 per kg ?

- (a) 3 : 7  
(b) 5 : 7  
(c) 7 : 3  
(d) 7 : 5

28. The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. The simple interest on the same sum for double the time at half the rate percent per annum is :

- (a) Rs. 400  
(b) Rs. 500  
(c) Rs. 600  
(d) Rs. 800

29. There are some cats and parrots in a zoo. By counting heads they are 60. The number of their legs is 200. Then, how many parrots are there ?

- (a) 40  
(b) 30  
(c) 50  
(d) 20

30. A passenger bus starts from Bermunda towards Cuttack. The number of women in the bus is half of the number of men. In Cuttack, 15 men leave the bus and 5 women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus ?

- (a) 75  
(b) 60  
(c) 57  
(d) 45

### Environment and Climate Change

31. Fuel used in thermal power plants is :

- (a) water  
(b) uranium  
(c) biomass  
(d) fossil fuels

32. In a hydroelectric power plant more electrical power can be generated if water falls from a greater height because :
- its temperature increases
  - larger amount of potential energy is converted into kinetic energy
  - the electricity content of water increases with height
  - more water molecules dissociate into ions
33. In the given food chain, suppose the amount of energy at fourth trophic level is 5 kJ, what will be the energy available at the producer level ?  
**Grass → Grasshopper → Frog → Snake → Hawk**
- 5 kJ
  - 50 kJ
  - 500 kJ
  - 5000 kJ
34. Accumulation of non-biodegradable pesticides in the food chain in increasing amount at each higher trophic level is known as :
- eutrophication
  - pollution
  - biomagnification
  - accumulation
35. Depletion of ozone is mainly due to :
- chlorofluorocarbon compounds
  - carbon monoxide
  - methane
  - pesticides
36. Organisms which synthesize carbohydrates from inorganic compounds using radiant energy are called :
- Decomposers
  - Producers
  - Herbivores
  - Carnivores
37. In the following groups of materials, which group (s) contains only non-biodegradable items ?
- Wood, paper, leather
  - Polythene, detergent, PVC
  - Plastic, detergent, grass
  - Plastic, bakelite, DDT
- (iii)
  - (iv)
  - (i) and (iii)
  - (ii) and (iv)
38. What will happen if deer is missing in the food chain given below ?  
**Grass → Deer → Tiger**
- The population of tiger increases
  - The population of grass decreases
  - Tiger will start eating grass
  - The population of tiger decreases and the population of grass increases
39. The main cause for abundant coliform bacteria in the river Ganga is :
- disposal of unburnt corpses into water
  - discharge of effluents from electroplating industries
  - washing of clothes
  - immersion of ashes
40. In our country, there are attempts to increase the height of several existing dams like Tehri and Almati, dams across Narmada. Choose the correct statements among the following that are a consequence of raising the height of dams :
- Terrestrial flora and fauna of the area is destroyed completely
  - Dislocation of people and domestic animals living in the area
  - Valuable agricultural land may be permanently lost
  - It will generate permanent employment for people
- (i) and (ii)
  - (i), (ii) and (iii)
  - (ii) and (iv)
  - (i), (iii) and (iv)

41. In our country, vast tracts of forests are cleared and a single species of plant is cultivated. This practice promotes :
- (a) biodiversity in the area
  - (b) monoculture in the area
  - (c) growth of natural forest
  - (d) preserves the natural ecosystem in the area

42. The pH range most conducive for life of fresh water plants and animals is :
- (a) 6.5 – 7.5
  - (b) 2.0 – 3.5
  - (c) 3.5 – 5.0
  - (d) 9.0 – 10.5

43. If there were no atmosphere around the Earth, the temperature of the Earth will :
- (a) increase
  - (b) go on decreasing
  - (c) increase during day and decrease during night
  - (d) be unaffected

44. Which of the following is not a green house gas ?
- (a) Methane
  - (b) Carbon dioxide
  - (c) Carbon monoxide
  - (d) Ammonia

45. 'Ozone-hole' means :
- (a) a large sized hole in the ozone layer
  - (b) thinning of the ozone layer
  - (c) small holes scattered in the ozone layer
  - (d) thickening of ozone in the ozone layer

### Current Events

46. Part of a bridge collapsed on Ganga river on 4<sup>th</sup> June 2023. Where was the bridge located ?
- (a) Near Khagaria in Bihar.
  - (b) Near Prayagraj in Uttar Pradesh
  - (c) Near Howrah in West Bengal
  - (d) Near Varanasi in Uttar Pradesh

47. Matches of "Hero Intercontinental Cup" were played at Kalinga stadium in June 2023. Which sports was being played ?
- (a) Football
  - (b) Hockey
  - (c) Volley Ball
  - (d) Basket ball

48. There was a collision involving three trains in Balasore district on 2<sup>nd</sup> June 2023 resulting in death of over two hundred persons. Two of the trains involved were passenger trains. Which were these ?
- (a) Coromandal Express and Yaswantpur Howrah Express
  - (b) Dhauli Express and East Coast Express
  - (c) Purusottam Express and Falaknama Express
  - (d) Howrah Puri Express and Rajdhani Express

49. NCB stands for :
- (a) Narcotics Containment Bureau
  - (b) Narcotics Control Board
  - (c) Narcotics Control Bureau
  - (d) Narcotics Central Bureau

50. World Test Championship final was played at Oval, England in June 2023. Which two teams clashed in the final ?
- (a) India and Australia
  - (b) India and Pakistan
  - (c) India and England
  - (d) England and Australia

51. Who is the Health Minister of Odisha ?
- (a) Shri Pradeep Kumar Amat
  - (b) Smt. Usha Devi
  - (c) Shri Rajendra Dholakia
  - (d) Shri Niranjan Pujari

52. Which team won IPL in May 2023 ?
- (a) Chennai Super Kings
  - (b) Mumbai Indians
  - (c) Gujarat Titans
  - (d) Lucknow Super Giants

53. Who won the Presidential Election conducted in May 2023 in Turkey ?  
 (a) R. T. Erdogan  
 (b) Kemal Kilicdaroglu  
 (c) Sinanogan  
 (d) Muharrem Ince
54. A Right to Health Care Bill was introduced in a State Assembly in 2022. Name the State :  
 (a) Rajasthan  
 (b) Delhi  
 (c) Madhya Pradesh  
 (d) Odisha
55. President Murmu visited the following countries in early June 2023 :  
 (a) Suriname and Serbia  
 (b) Nepal and Bhutan  
 (c) Ghana and Nigeria  
 (d) England and Spain
56. Which among the following is not eligible for treatment at empaneled private Hospitals under Biju Swasthya Kalayan Yojana ?  
 (a) Family having BKKY card  
 (b) Family having Green Card  
 (c) Family having AAY card  
 (d) Family having annual income below ₹ 50000 in Rural area
57. How many Block offices are there in Odisha ?  
 (a) 304  
 (b) 314  
 (c) 324  
 (d) 334
58. On 3<sup>rd</sup> June, flight from Bhubaneswar to which two international destinations was started ?  
 (a) Singapore and Bangkok  
 (b) Kathmandu and Dhaka  
 (c) Colombo and Kuala Lumpur  
 (d) Abu Dhabi and Muscat
59. Ekamra Haat is rich in Odisha Craft and Art. Where is Ekamra Haat located ?  
 (a) Cuttack  
 (b) Bhubaneswar  
 (c) Sambalpur  
 (d) Berhampur
60. The agitation of wrestlers is directed against Brij Bhusan Saran Singh. The main allegations are :  
 (a) Sexual Harassment of wrestlers  
 (b) Misappropriation of funds  
 (c) Nepotism in selection of wrestlers  
 (d) Nepotism in selection of coaches
61. Who was Sworn in as Chief Minister of Karnataka in May 2023 ?  
 (a) Siddaramaiah  
 (b) D. K. Shiva Kumar  
 (c) Basuraj Bomai  
 (d) B. S. Yediyurappa
62. Prime Minister of Nepal visited India recently, in May / June 2023. What is his name ?  
 (a) Pushpa Kamal Dahal  
 (b) Sher Bahadur Deuba  
 (c) K. P. Sharma Oli  
 (d) Shushil Koirala
63. On which day is International Day of Yoga celebrated ?  
 (a) 21<sup>st</sup> June  
 (b) 11<sup>th</sup> June  
 (c) 21<sup>st</sup> May  
 (d) 11<sup>th</sup> May
64. Last G-7 Summit was held in May 2023. In which city was the summit held ?  
 (a) Hiroshima  
 (b) Ahmedabad  
 (c) Paris  
 (d) New York
65. On which date is World Health Day observed ?  
 (a) 7<sup>th</sup> April  
 (b) 7<sup>th</sup> May  
 (c) 7<sup>th</sup> June  
 (d) 7<sup>th</sup> July
66. Who is the Chief Minister of Tamilnadu ?  
 (a) M. K. Stalin  
 (b) E. K. Palaniswami  
 (c) O. Panneer Selvam  
 (d) P. Thiagarajan



67. On which date is Doctors Day celebrated in India ?  
 (a) 1<sup>st</sup> July  
 (b) 1<sup>st</sup> June  
 (c) 1<sup>st</sup> May  
 (d) 1<sup>st</sup> August
68. Amir Reza Hussain died recently. In which field did he distinguish himself ?  
 (a) Literature  
 (b) Theater  
 (c) Sports  
 (d) Science
69. Which University emerged with most medals in Khelo India University Games 2023 ?  
 (a) Punjab University  
 (b) Guru Nanak Dev University  
 (c) Jain University  
 (d) Punjabi University
70. What percent of India's iron ore production was contributed by Odisha in 2022-23 ?  
 (a) 43%  
 (b) 33%  
 (c) 63%  
 (d) 53%
71. What was per capita budgetary allocation to Health & Family Welfare Department in 2023 B-E of Odisha ?  
 (a) Rs 1690  
 (b) Rs 1998  
 (c) Rs 2320  
 (d) Rs 2674
72. Who is the present Secretary General of United Nations ?  
 (a) Kofi A. Annan  
 (b) Antonio Guterres  
 (c) Ban Ki Moon  
 (d) Boutros Boutros-Ghali
73. Kakhovka Dam destruction has brought a humanitarian disaster. In which country is the dam located ?  
 (a) Russia  
 (b) Mongolia  
 (c) Ukraine  
 (d) China

74. Which country has won highest number of medals in ISSF Junior World Cup concluded in June 2023 ?  
 (a) India  
 (b) South Korea  
 (c) USA  
 (d) Italy

75. Who won the Men's Single Final at French Open Tennis Tournament in June 2023 ?  
 (a) C. Alcaraz Garfia  
 (b) N. Djokovic  
 (c) C. Ruud  
 (d) A. Zverev

### Data Interpretation

Directions (Questions 76-80) :

This following table is related to profit and loss and some values are missing. All the discounts are on the Marked Price (M.P.) and the Profits are on Cost Price (C.P.). Read the Table carefully and answer the questions.

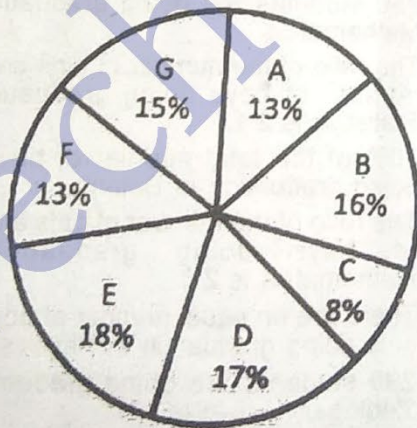
Article	Cost Price (₹)	Profit (%)	Marked Price (₹)	Discount (%)	Selling Price (₹)
M	2160	--	2560	-	-
N	-	20%	-	-	-
O	-	-	2875	20%	-
P	1800	-	-	-	1980
Q	-	25%	4000	-	-

76. If the ratio of the C.P. of the Article M and Article Q is 3 : 4, find out the Discount % of Article Q.  
 (a) 12%  
 (b) 15%  
 (c) 8%  
 (d) 10%
77. If the Discount % and Profit % of the Article P is same. Find out the M.P. of Article P.  
 (a) ₹ 2800  
 (b) ₹ 2200  
 (c) ₹ 3500  
 (d) ₹ 3000

78. If the M.P. of Article M is ₹ 130 more than the C.P. of Article N and the difference between M .P. and S.P. of Article N is ₹ 684. Find the Discount % of Article N.
- (a) 18%  
 (b) 25%  
 (c) 20%  
 (d) 19%
79. C.P. of Article P is how much % less than the M.P. of Article M ?
- (a) 26%  
 (b) 25.04%  
 (c) 29.69%  
 (d) 31%
80. The ratio of Discount % and Profit % is 4 : 3 of the Article O. Find C. P. of Article O.
- (a) ₹ 1200  
 (b) ₹ 2800  
 (c) ₹ 3500  
 (d) ₹ 2000

**Directions (Questions 81-87) :**

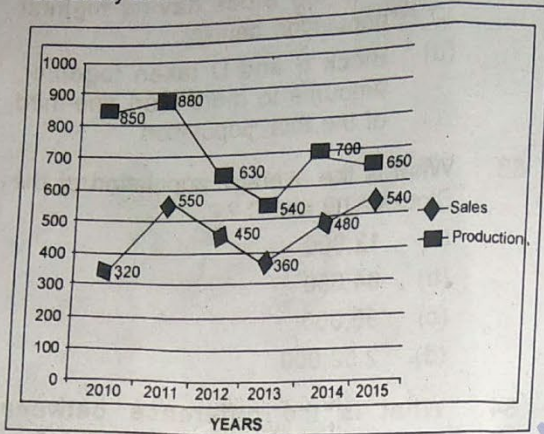
Out of the total Population of 7 Lakhs in a District, the following Pie-Chart shows the percentage distribution of population in seven number of Blocks namely A,B,C,D,E,F,G. Study the Pie-Chart carefully and answer the questions that follow.



81. What is the ratio of population between Blocks B and E (B : E) ?
- (a) 6 : 8  
 (b) 8 : 9  
 (c) 8 : 13  
 (d) 9 : 8

82. Which of the following statements is true ?
- (a) Half of the population reside in two blocks taken together  
 (b) C is the smallest Block in terms of Area  
 (c) E is the Block having highest population density  
 (d) Block E and D taken together, amounts to more than one-third of the total population
83. What is the average population of the Blocks A, G and C ?
- (a) 12,000  
 (b) 84,000  
 (c) 36,000  
 (d) 2,52,000
84. What is the difference between population of Block E and Block F?
- (a) 30,000  
 (b) 35,000  
 (c) 36,000  
 (d) 5,000
85. If after 10 years, the population of Block D increases by 21000, then what would be the increased population of D after 10 years ?
- (a) 1,53,000  
 (b) 1,45,000  
 (c) 1,40,000  
 (d) 1,35,000
86. To reorganise the Blocks, an additional Block H, with a population of 56,000, has been created by bifurcating Block E. Then, how much population remained in Block E ?
- (a) 60,000  
 (b) 80,000  
 (c) 90,000  
 (d) 70,000
87. After addition of a new Block, what would be the average population per Block ?
- (a) 70,000  
 (b) 80,000  
 (c) 85,000  
 (d) 87,500

**Directions (Questions 88-94) :**  
The Sales and Production data of Electric Car of a company is shown below for six years from 2010 to 2015. The difference between Production and Sales is kept as residual Stock for that year. Study the Line graph carefully and answer the questions that follow.



88. If the residual stock of previous year is added to the production of current year, then, how many Cars were available for sale in the year 2011 ?

- (a) 880  
(b) 1410  
(c) 1730  
(d) 1200

89. In which year, the residual stock is highest ?

- (a) 2013  
(b) 2015  
(c) 2010  
(d) 2011

90. Compared to 2010, what is the percentage increase in Sales in 2015 ?

- (a) 86.57%  
(b) 68.75%  
(c) 56.85%  
(d) 76.85%

91. What is the ratio of Production to Sale in the year 2013 ?

- (a) 3 : 2  
(b) 2 : 3  
(c) 4 : 3  
(d) 3 : 4

92. What is the average production of Cars in the given six year period (to the nearest whole number) ?

- (a) 807

- (b) 780  
(c) 708  
(d) 750

93. What is the average Sales of Cars in the given six year period (to the nearest whole number) ?

- (a) 540  
(b) 450  
(c) 550  
(d) 480

94. In the year 2011, Production is how much percentage more than the sales of Car ?

- (a) 45%  
(b) 50%  
(c) 60%  
(d) 70%

**Directions (Questions 95-100) :**

Study the following information carefully and answer the questions given below :

❖ In a college there are 1400 students who are doing graduation in any one of the subjects, out of the five different subjects viz. Zoology, Botany, Mathematics, Physics and Statistics.

❖ The ratio of the number of boys and girls among them is 6:8.

❖ 30% of the total girls are doing graduation in Zoology and 20% of the total girls are doing graduation in Statistics.

❖ The total number of students doing graduation in Botany is 220.

❖ 250 students are doing graduation in Mathematics.

❖ The ratio of the number of girls and the number of boys doing graduation in Statistics is 2:1.

❖ 20% of the total number of boys are doing graduation in Botany.

❖ The ratio of the number of girls and that of boys doing graduation in Mathematics is 2:3.

❖ There are an equal number of boys and girls doing graduation in Physics.

❖ 290 students are doing graduation in Zoology.

95. What is the total number of students doing graduation in Physics and Statistics together ?

- (a) 510  
(b) 540  
(c) 640  
(d) 620

96. What is the ratio of the number of boys doing graduation in Mathematics and number of girls doing graduation in Botany ?  
 (a) 1 : 2  
 (b) 3 : 1  
 (c) 3 : 4  
 (d) 3 : 2
97. What is the difference between the number of girls doing graduation in Mathematics and the number of boys doing graduations in Zoology ?  
 (a) 50  
 (b) 75  
 (c) 60  
 (d) 45
98. In which of the following graduation courses, the number of the girls is the highest and in which course the number of boys is second lowest respectively?  
 (a) Statistics and Zoology  
 (b) Zoology and Botany  
 (c) Physics and Statistics  
 (d) Zoology and Statistics
99. The number of girls doing graduation in Statistics is what percent of the number of boys doing graduation in Physics ?  
 (a) 76%  
 (b) 75%  
 (c) 80%  
 (d) 81%
100. How many boys are doing graduation in Botany ?  
 (a) 120  
 (b) 140  
 (c) 160  
 (d) 180
- (b) 8  
 (c) 7  
 (d) 2
102. Which of the following is the sum total of the three digits of the third lowest number among them ?  
 (a) 13  
 (b) 19  
 (c) 15  
 (d) 17
103. Which of the following is the middle digit of the highest number ?  
 (a) 7  
 (b) 2  
 (c) 4  
 (d) 8
104. If the positions of the first and the last digits within each number are interchanged, which of the following will be the second digit of the second largest number ?  
 (a) 8  
 (b) 4  
 (c) 3  
 (d) 2
105. Gita is Ram's mother's daughter's daughter. What is her relationship with Ram ?  
 (a) Aunt  
 (b) Daughter-in-law  
 (c) Nephew  
 (d) Niece
106. If all the alphabets from A to Z are written from left to right, then find the alphabet which is 16<sup>th</sup> to the right of the alphabet which is fourth to the left of I.  
 (a) S  
 (b) T  
 (c) U  
 (d) V

### Logical Reasoning

Direction (Questions 101-104) :

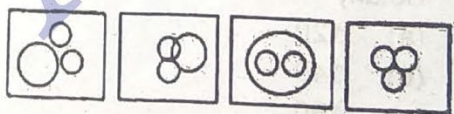
Following questions are based on the five three digit numbers given below :

472 487 348 728 845

101. If the positions of the first and the third digits in each number are interchanged, which of the following will be middle digit of the highest number ?  
 (a) 4
107. If a denotes  $\times$ , b denotes  $+$ , c denotes  $+$  and d denotes  $-$ ,  
 then  $8 a 3 c 24 b 12 d 19 = ?$   
 (a) 70  
 (b) 7  
 (c) 14  
 (d) None of these

**Directions (Questions 108-111) :**

Five friends A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting near E, E is on the left end of the bench. C is on second position from the right. A is on the right side of B and to the right side of E. A and C are sitting together.

108. Where is A sitting ?  
 (a) Between B and D  
 (b) Between D and C  
 (c) Between E and D  
 (d) Between B and C
109. C is sitting between :  
 (a) B and D  
 (b) A and E  
 (c) A and D  
 (d) D and E
110. What is the position of D ?  
 (a) Extreme left  
 (b) Extreme right  
 (c) Third from left  
 (d) Second from left
111. What is the position of B ?  
 (a) Second from right  
 (b) Second from left  
 (c) Extreme left  
 (d) None of these
112. In a certain code language,  
**743** means **Mangoes are good**;  
**657** means **Eat good food**; and  
**934** means **Mangoes are ripe**.  
 Which digit means 'ripe' in that language ?  
 (a) 5  
 (b) 4  
 (c) 9  
 (d) Cannot be determined
113. Five persons were playing card game sitting in a circle all facing the centre. Ashish was to the left of Milan, Nitin was to the right of Anupam and between Anupam and Mukesh. Who was to the right of Mukesh ?  
 (a) Nitin  
 (b) Milan  
 (c) Mukesh  
 (d) Ashish
114. Find the wrong term in the series :  
**10, 26, 74, 218, 654, 1946, 5834**  
 (a) 26  
 (b) 74  
 (c) 218  
 (d) 654
115. If **VICTORY** is coded as **YLFWRUB**, how can **SUCCESS** be encoded ?  
 (a) VXEEIIV  
 (b) VXFFHVV  
 (c) VYEEHVV  
 (d) VYEFIVV
116. If September 15, 2000, is Friday then what will be the day on September 15, 2001 ?  
 (a) Friday  
 (b) Saturday  
 (c) Thursday  
 (d) Sunday
117. Complete the series  
 AZ, CX, EV, \_\_\_\_\_  
 (a) AT  
 (b) GT  
 (c) RT  
 (d) GS
118. Which one of the following represents dog, carnivore, tiger ?  
  
 (a) (b) (c) (d)
119. Subhas remembers that Jahar's birthday is after 19<sup>th</sup> but before 22<sup>nd</sup> November, whereas Samir remembers that Jahar's birthday is after 20<sup>th</sup> but before 24<sup>th</sup> November. On which day is Jahar's birthday ?  
 (a) 20<sup>th</sup> November  
 (b) 21<sup>st</sup> November  
 (c) 22<sup>nd</sup> November  
 (d) 23<sup>rd</sup> November

120. Ram travelled from a point X straight to Y at a distance 80 m. He turned right and walked 50 m ; then again turned right and walked 70 meters. Finally, he turned right and walked 50 m. How far is he from the starting point ?

- (a) 30 m
- (b) 10 m
- (c) 20 m
- (d) 50 m

121. In a class of 47 students Sita's rank is 18<sup>th</sup> from top. What is her rank from the bottom ?

- (a) 29
- (b) 30
- (c) 31
- (d) 28

122. Which word will come last in a dictionary ?

- (a) Toy
- (b) Teeth
- (c) Tiger
- (d) Tea

123. If the 16<sup>th</sup> and 18<sup>th</sup> letters were dropped, then which of the following would be the 17<sup>th</sup> and 19<sup>th</sup> letter in the English Alphabet ?

- (a) QS
- (b) ST
- (c) RS
- (d) QT

124. In a certain language 'LOVE' is coded as MPWF. What will be the code for HATE ?

- (a) GBUF
- (b) IBUF
- (c) GZSD
- (d) IZSD

125. Find the odd one out :

- (a) Football
- (b) Volley ball
- (c) Kabbaddi
- (d) Basketball

## Computer and Internet Awareness

126. Which program in Microsoft Office is used for sending and receiving e-mails ?

- (a) Microsoft Word
- (b) Microsoft PowerPoint
- (c) Microsoft Excel
- (d) Microsoft Outlook

127. Which component of a computer is responsible for temporarily storing data and instructions that the CPU needs during program execution ?

- (a) Hard disk
- (b) RAM (Random Access Memory)
- (c) CPU cache
- (d) ROM (Read-Only Memory)

128. What does "OTP" stand for in the context of e-Banking ?

- (a) One-Time Password
- (b) Online Transaction Protection
- (c) Optimal Transaction Protocol
- (d) Online Transfer Procedure

129. What is the purpose of e-mail encryption ?

- (a) To compress e-mail messages for efficient transmission
- (b) To automatically reply to incoming e-mails
- (c) To add digital signatures to verify the authenticity of the e-mail
- (d) To protect the privacy and security of e-mail communications

130. What is the purpose of a "read receipt" in e-mail ?

- (a) To notify the sender when the e-mail is delivered to the recipient's mailbox
- (b) To request confirmation when the recipient opens and reads the e-mail
- (c) To mark an e-mail as read in the recipient's inbox
- (d) To track the location of the recipient based on their IP address

131. Which technology is commonly used to accelerate the download speed of large files by dividing them into smaller parts ?
- (a) FTP  
(b) HTTP  
(c) Torrenting  
(d) Bit Torrent
132. What is the term used for a website's unique address on the internet ?
- (a) IP address  
(b) Domain name  
(c) URL  
(d) Hyperlink
133. Which networking protocol is used for secure communication over the internet and is commonly used for secure online transactions ?
- (a) SSL  
(b) IPsec  
(c) SNMP  
(d) FTP
134. Which of the following best describes the concept of "Phishing" ?
- (a) A type of malware that spreads through e-mail attachments.  
(b) The process of encrypting data to protect it from unauthorized access.  
(c) An attack technique that involves tricking individuals into revealing sensitive information.  
(d) A protocol used to secure network communications.
135. What is the purpose of an e-mail filter ?
- (a) To send automatic replies to incoming e-mails  
(b) To organize e-mails into different folders based on predefined rules  
(c) To encrypt e-mail messages for added security  
(d) To synchronize e-mail across multiple devices
136. Which program in Microsoft Office is used for creating and managing databases ?
- (a) Microsoft Excel  
(b) Microsoft PowerPoint  
(c) Microsoft Access  
(d) Microsoft Outlook
137. Which memory type retains its contents even when the power is turned off ?
- (a) RAM (Random Access Memory)  
(b) ROM (Read-Only Memory)  
(c) Cache memory  
(d) Virtual memory
138. Which search engine is known for its "I'm Feeling Lucky" button ?
- (a) Google  
(b) Bing  
(c) Yahoo  
(d) DuckDuckGo
139. Which one of the following does not belong to the group ?
- (a) Android  
(b) BADA  
(c) DOS  
(d) Symbian
140. What is the shortcut key to open font dialog box in MS Word ?
- (a) Ctrl + Shift + F  
(b) Ctrl + D  
(c) Ctrl + Shift + P  
(d) All of the above
141. Arrange in descending order the units of memory TB, KB, GB, MB :
- (a) TB > MB > GB > KB  
(b) MB > GB > TB > KB  
(c) TB > GB > MB > KB  
(d) GB > MB > KB > TB
142. Most of the internet banking sites provide which of the following feature to reduce the risk of keystroke logging for the password entry ?
- (a) Virtual keyboard  
(b) Finger Touching  
(c) Touch screen  
(d) Shape Writer

143. If your computer is overheating, which of the following things you can do about it ?
- (a) Ensure Proper Ventilation
  - (b) Clean Out Computer's Case
  - (c) Tune Up Heat Sinks
  - (d) All of these
144. Which of the following is an employment-oriented social media network ?
- (a) Viber
  - (b) Pinterest
  - (c) LinkedIn
  - (d) Line
145. Which is the correct full form of RTGS ?
- (a) Raw Transaction Gaining System
  - (b) Real Time Gross Settlement
  - (c) Real Time Ground Support
  - (d) Readymade Transaction Gross System
146. Which of the following computer language is used for Artificial Intelligence ?
- (a) FORTRAN
  - (b) PROLOG
  - (c) C
  - (d) COBOL
147. As a person working in internet banking environment, why you should be aware of the "Dictionary attack" ?
- (a) It is used to inject worms or viruses in the system
  - (b) It is used to determine a password
  - (c) It is used to access customer's account by determining other details
  - (d) It is used for stealing information from the Credit Card
148. Short-cut key used to close the Word file in MS Word :
- (a) Ctrl + F4
  - (b) Shift + F4
  - (c) Alt + F4
  - (d) None of these
149. Which of the following key combinations is used for undo in MS Word ?
- (a) Ctrl + Z
  - (b) Ctrl + V
  - (c) Ctrl + N
  - (d) Ctrl + K
150. Which of the following is not a Browser ?
- (a) Google Chrome
  - (b) Opera Mini
  - (c) Safari
  - (d) Dropbox