



VANIK-IAS
Exclusive Coaching for UPSC/OPSC

Date : 06/11/2020

- (a) During which period was there maximum fall in export?
- (b) The percentage of increase of imports in 2000-2001 over 1999-2000 is ____
- (c) During which period there was minimum increase in import over its preceding year?

12. The following table give the distribution of the scores obtained by 500 students in an examination. [10]

| Score | No. of Students |
|--------|-----------------|
| 0-9 | 20 |
| 10-19 | 28 |
| 20-29 | 52 |
| 30-39 | 86 |
| 40-49 | 128 |
| 50-59 | 76 |
| 60-69 | 59 |
| 70-79 | 36 |
| 80-89 | 17 |
| 90-100 | 8 |

Calculate (assuming that the number is uniformly distributed within each interval):

- (i) The score below which lie score of half of the total no of students
- (ii) The passing score, if 20% of the student fail
- (iii) The percentage of first divisioners (getting score 60 of more)

13. Answer each question given below: [3 × 2=6]

- (a) A and B can do a piece of work in 24 days, B and C can do it in 48 days and A and C in 36 days. Working together in how many days, they will finish work?
- (b) The discount on a certain sum of money due one year hence is Rs. 48 and the interest on the same sum for same period and same rate is Rs. 50. The sum is ____

OCS (MAIN) FULL LENGTH TEST SERIES 2019

VST-4

**GENERAL STUDIES
(Paper-II)**

**Time : 3 Hour
Full Mark : 300**

1. Answer any two [10 × 2=20]
 - (a) Look East to Act East is the right strategy by India.
 - (b) Strong leadership and stable govt. promotes proactive foreign policy. Comment.
 - (c) What is NATO? Write Indian advantage on being a non NATO allies.
2. Answer any two [10 × 2=20]
 - (a) What are the major outcomes of the World First Solar Technology Summit?
 - (b) What are the major outcomes of the recent G-4 Foreign Minister Meeting?
 - (c) What is African Union? Write on the prospects of India for wider interaction with it.
3. Answer any two [10 × 2=20]
 - (a) What is Abraham Accord between Israel, UAE & Baharin?
 - (b) Write the cause and effect of discord between USA and ICC.
 - (c) What is the Basic Exchange and Cooperation Agreement between India and USA?
4. Answer any two [10 × 2=20]
 - (a) What is QUAD? Write its importance in present global scenario.
 - (b) Discuss the major causes & impact of Indian shifting stand on Taliban.
 - (c) Discuss the prospects and challenges to India becoming a regional power.
5. Answer any three [10 × 3=30]
 - (a) Poverty alleviation in India need a reorientation. Make an assessment of the programmes launched by Govt.
 - (b) What is aspirational district programme.
 - (c) Discuss the role of NITI Ayog in promoting cooperative federalism.
 - (d) Impact of lockdown on Indian Corporate Sector.

(e) Inclusive growth is the biggest challenge for Indian economy. Discuss in light of the steps taken in this field.

6. Explain the following [3 × 10=30]

- (a) MSME Sector in Indian Economy
- (b) GSTN
- (c) Budget Transparency
- (d) CAD
- (e) NPA
- (f) UPI
- (g) FSDC
- (h) Angel tax
- (i) Public credit registry
- (j) Ease of Doing Business
- (k) IGST

7. Answer any two [15 × 2=30]

- (a) Write on the major economic challenges faced by the state govt. at present.
- (b) Write on the major causes for the economic backwardness of Odisha and the programmes launched to improve it.
- (c) Industrialisation has a better prospect in Odisha. Elucidate.

8. Answer the following questions in 50 words [5 × 18=90]

- (a) Living Panel Report 2020
- (b) A-SAT Missile
- (c) Novel Corona Virus
- (d) Bio-CNG from paddy stubbles
- (e) EMISAT Mission
- (f) Health in India Report
- (g) Hypersonic Technology Demonstrator Vehicle
- (h) Indian National Space Promotion and Authorisation Centre
- (i) National super computing mission
- (j) Artificial Intelligence
- (k) Internet of Things
- (l) Biomedical waste management
- (m) CRZ regulation
- (n) Methanol blending in petrol
- (o) Cyber Crime
- (p) UNFCCC
- (q) Nuclear medicine
- (r) e-waste management in India

9. (a) Represent the following data by histogram : [4]

| Daily Earnings (Rs.) | Stores |
|----------------------|--------|
| 0-50 | 3 |
| 50-100 | 7 |
| 100-150 | 4 |
| 150-200 | 5 |
| 200-250 | 4 |
| 250-300 | 3 |
| 300-350 | 2 |
| 350-400 | 2 |

(b) An urn contains 6 white, 4 red and 9 black balls. If three balls are drawn at random, find the probability that two of the balls drawn are white. [4]

10. (a) Determine the Median and Mode for the following distribution of monthly income for 580 middle-class people of a county.

| Monthly Income (in Thousand Rupees) | Frequency |
|-------------------------------------|-----------|
| 25-30 | 53 |
| 30-35 | 81 |
| 35-40 | 114 |
| 40-45 | 195 |
| 45-50 | 63 |
| 50-55 | 32 |
| 55-60 | 20 |
| 60-65 | 11 |
| 65-70 | 8 |
| 70-75 | 3 |

Also obtain an approximate value of the mean income from the values of Median and Mode. [4]

(b) A problem in statistics is given to three students A, B and C whose chances of

solving it are $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ respectively. What is the probability that the problems

will be solved if all of them try independently? [4]

11. The following table represents the export of wheat and import of sugar in various years. Read the table and answer the questions given below the table. [8]

| Year | Export of Wheat (in Crores of Rs.) | Import of Sugar (in Crores of Rs.) |
|-----------|------------------------------------|------------------------------------|
| 1995-1996 | 44 | 58 |
| 1996-1997 | 45 | 50 |
| 1997-1998 | 60 | 54 |
| 1998-1999 | 56 | 60 |
| 1999-2000 | 92 | 68 |
| 2000-2001 | 100 | 78 |
| 2001-2002 | 68 | 60 |