**13.** (a) Draw the cumulative frequency curve less than type from the following data and find the value of median. **[3]**

| Pay Level (Rs.) | No. of Workers |
|---|---|
| Less than 2000 | 35 |
| Less than 2500 | 59 |
| Less than 3000 | 71 |
| Less than 3500 | 86 |
| Less than 4000 | 102 |
| Less than 4500 | 159 |
| Less than 5000 | 200 |

(b) The average monthly wage of all workers in a factory is Rs. 444. If the average wages paid to male and female workers are Rs. 480 and Rs. 360 respectively, find the percentage of male and female workers employed by the factory. **[3]**

**14. 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 in Rs. 48 and the interest on the same sum for same period and same rate is Rs. 50. The sum is _____.

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VANIK

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Exclusive Coaching for UPSC/OPSC

**Date : 10/11/2020**

## OCS (MAIN) FULL LENGTH TEST SERIES 2019

| VST-5 | GENERAL STUDIES (Paper-II) | Time : 3 Hour Full Mark : 300 |
|---|---|---|

**1. Answer any two** **[10 × 2=20]**

(a) G-4 is not that forceful and effective for UNSC reform.

(b) IBSA has a good begining but lost momentum subsequently.

(c) WTO need consensus for reforming global trade system.

**2. Answer any three** **[10 × 3=30]**

(a) Major outcomes of the Commonwealth Summit.

(b) Major outcomes of the SCO Summit.

(c) Major challanges to reform IMF & World Bank.

(d) What is NPT & CTBT?

**3. Answer any three** **[10 × 3=30]**

(a) Discuss recent developments in Indo-Brazil relation.

(b) What are the major areas of cooperation & conflict between India & Bangladesh?

(c) India-Nepal relation at present time.

(d) Indian advantage by being the NSG member.

**4. Answer any two** **[10 × 2=20]**

(a) Discuss Indian challanges as an Asian power.

(b) Impact of Pandemic on Indian Foreign Policy.

(c) What is energy diplomacy and trace Indian approach in this field?

**5. Answer any two** **[10 × 2=20]**

(a) Discuss the reforms in the Public Distribution System in India.

(b) Role of NITI Ayog in transformation of Indian Economy.

(c) Discuss the role of RBI in monetary stabilisation.

**6. Answer any two** [10 × 2=20]
(a) Agriculture Policy of Odisha Govt.
(b) MSME development can lead to economic development in Odisha. Elucidate.
(c) New MOUs signed by Odisha for industrial development.

**7. Answer any eight** [5 × 8=40]
(a) IPO
(b) IPR
(c) Geographical Indicator
(d) Angel Investor
(e) CRR
(f) ICOR
(g) MCLR
(h) Monetary Policy Committee
(i) EXIM Bank
(j) NABARD
(k) MUDRA
(l) FDI & FII

**8. Answer any two** [10 × 2=20]
(a) Discuss the achievement of ISRO in Indian Space domain.
(b) DRDO has made India self reliant in defence domain.
(c) Use of biotechnology in different fields.
(d) Indian achievement in harnessing non-renewable energy.

**9. Answer any five** [6 × 5=30]
(a) What is 5G Technology?
(b) What is Microprocessor?
(c) What is a computer virus?
(d) What is cyber threat?
(e) What is e-waste?
(f) What is transponder in a satellite?
(g) What is cartosat?

**10. Answer any five** [6 × 5=30]
(a) Precision Farming

(b) Biofertilizer & Pesticide
(c) Soil Health Card
(d) Role of ICMR
(e) ITR Chandipur
(f) BrahMos Missile
(g) NAVIC System of India

**11.** The following table gives the marks obtained by 100 students in a school examination. Study the table carefully and answer the questions given below :

| Subject | Marks obtained out of 100 | | | | |
|---|---|---|---|---|---|
| | 0-19 | 20-39 | 40-59 | 60-79 | 80-100 |
| Maths | 11 | 16 | 36 | 24 | 13 |
| Science | 8 | 14 | 28 | 35 | 15 |
| Average of two subjects | 9 | 14 | 38 | 27 | 12 |

(a) How many students have secured 60% or more marks in two subjects together? [6]

(b) If two qualify in the examination one has to secure a minimum of 60% marks in Maths, what is the minimum number of students who would qualify? [6]

(c) How many students have obtained less than 60 marks in Science? [6]

**12.** (a) Represent the following data by histogram : [5]

| Daily Earnings (Rs.) | No. of 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. [5]