

CSM – 4/17
General Studies
Paper – II

Time : 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

1. Answer any **two** of the following : 10×2 = 20
 - (a) Explain India's foreign policies since Narendra Modi Government came to power.
 - (b) Critically examine the nature of Indo-Pak relations with special reference to POK issue.
 - (c) Assess the impact of recent attracts against Indian-Americans on Indo-US Relations.

2. Answer any **one** of the following : 10
 - (a) "Indus Waters Treaty (IWT), 1960 is a model to the management of disputes between India and Pakistan." Discuss.

- (b) Do our Armed Forces meet the challenges of external security ? Do you suggest the Modernisation of our Armed Forces ?
3. Answer any **one** of the following : 10
- (a) Explain the main feature of the India's Nuclear Policy.
- (b) Examine India's reservations on Non-Proliferation Treaty (NPT).
4. Answer any **one** of the following : 10
- (a) Examine the factors responsible for the growing importance of India as a strategic partner of 'ASEAN'.
- (b) Who are the permanent members of UN Security Council ? Justify India's efforts for Permanent Membership in UN Security Council.
5. Answer any **three** of the following : $10 \times 3 = 30$
- (a) 'Indian planning could not meet its most cherished goal of achieving an egalitarian society for Indians.' Elucidate.

- (b) Give the present state of economic development of India. Explain that 'economic growth and human development must go together to make it more inclusive'.
- (c) 'Economic reforms in India have neglected agriculture and promoted manufacturing and service sectors, thereby have initiated a process of uneven economic development.' Give your views and substantiate.
- (d) Discuss the main challenges that the corporate sector of India encounters in the Post-reforms period.

6. Answer the following : $3 \times 10 = 30$

- (a) State the role of the Federation of Indian Export Organisations.
- (b) How is the Foreign Exchange Management Act (FEMA) different from the Foreign Exchange Regulation Act (FERA) ?
- (c) What is the broad objective of India's Preferential Market Access Policy ?

- (d) State the major commodity groups whose exports from India have shown positive growth during January, 2017 and January, 2018.
 - (e) How could the IMF membership of India help making its rupee independent ?
 - (f) How has India benefited from the Aid-India Consortium of the World Bank ?
 - (g) How is Indian pharmaceutical industry affected by WTO ?
 - (h) Why did the Narasimham Committee recommend lowering the Cash Reserve Ratio (CRR) ?
 - (i) Which financial companies are not regulated by the Reserve Bank of India ?
 - (j) How does the Reserve Bank of India act as the banker to banks ?
7. Answer any two of the following : $15 \times 2 = 30$
- (a) 'In spite of several proactive measures taken by the Government of Odisha to promote industrialisation in the State, it remains tardy and slow.' Explain.

(b) 'In the post-reforms period, Odisha's economy is growing fast but poverty among the masses has not reduced perceptibly.' Elucidate.

(c) Discuss the factors responsible for the existence and continuation of regional disparity in Odisha. Suggest remedial measures.

8. Answer any four of the following : $5 \times 4 = 20$

(a) Paris Agreement on Climate Change

(b) South-East Asian Countries Fund to tackle Emergencies

(c) North Korea Nuclear Test

(d) China-Pakistan Economic Corridor (CPEC)

(e) Missile Technology Control Regime (MTCR)

(f) US Presidential Elections

9. Answer any four of the following : $5 \times 4 = 20$

(a) Discuss UN Human Rights Council Resolution on Sri Lanka.

(b) Does the ILO Global Wage Report contribute to the UN Agenda of Sustainable Development Goals ?

- (c) Elucidate the contents of agreements of Canada and Cuba with EU signed in Brussels.
 - (d) Explain the Education and Cultural Co-operation among SAARC countries.
 - (e) What are the initiatives of World Health Organisation (WHO) for Polio eradication ? Give the success rate of the WHO initiatives.
 - (f) Analyze the role of International Court of Justice in settlement of disputes between the nations.
10. (a) Answer the following questions in **50** words each : $6 \times 5 = 30$
- (i) What is Graphene ? Highlight the creation of high quality graphene from soyabean.
 - (ii) What is Ebola ? In which continent is this found ? Name three Ebola eradicated countries.
 - (iii) Name the scientist who has done a minuscule correction to the calculation of Mercury's orbital precession of Albert Einstein's general theory of relativity. Explain the process.

(iv) Recently the distribution of pressure inside the proton has been mapped by using which theory and where ? What is its assumption ?

(v) Describe about newly invented batteries which can create electricity when those are wet or with any liquid.

(b) Answer the following questions in **50** words each : 6×5 = 30

(i) What is an antenna ? Explain.

(ii) What are the applications of laser communications system ? How does it work ?

(iii) What is the full form of ISRO ? When was it formed ? What is its main objective ?

(iv) Write a short note on different forms of optical telecommunication.

(v) What is ICT ? How does this technology solve the problem for remote population through wireless with special reference to VSAT ?

(c) Answer the following questions in **50** words each : **6×5 = 30**

(i) Name and briefly explain the computer language which is used for artificial intelligence.

(ii) Discuss a section of code to which control is transferred when a processor is interrupted.

(iii) What is a virus ? How do we protect computers free of virus using antivirus software ?

(iv) What is number system ? Explain how to do conversion between two number systems.

(v) What is a digital computer ? Write a brief note on its functional elements.

11. (a) In the following frequency distribution of marks, the number of students corresponding to class interval 55 – 65 is missing. If the arithmetic average of the distribution is 48.4, calculate the missing frequency : **4**

Marks	No. of Students
15 – 25	3
25 – 35	7
35 – 45	9
45 – 55	16
55 – 65	?
65 – 75	5
75 – 85	2

- (b) From the following data, calculate the percentage of workers getting wages between Rs. 420 and Rs. 780 : 4

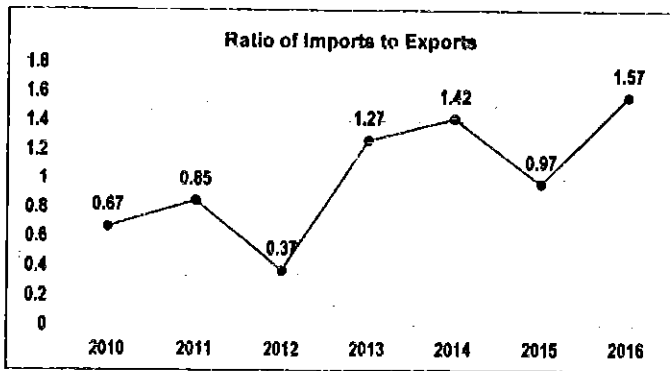
Wages (Rs.)	No. of Workers
200 – 300	20
300 – 400	45
400 – 500	85
500 – 600	160
600 – 700	70
700 – 800	55
800 – 900	35
900 – 1000	30

- (c) A man travels 20 km at a speed of 40 km/hour, 10 km at a speed of 30 km/hour and 30 km at a speed of 60 km/hour. What was his average speed ? 4

12. (a) The following table shows approximate area of 5 oceans of the world. Represent the data by a pie diagram : 6

Ocean	Area (million sq. miles)
Pacific	64.2
Atlantic	33.4
Indian	28.5
Southern	7.8
Arctic	5.1

- (b) The following line graph shows the ratio of the amount of imports to that of exports by a company over the period from 2010 to 2016. Study the graph and answer the questions based on it.



- (i) In how many of the given years were the exports more than the imports ? 2
- (ii) In which year, the imports were minimum proportionate to the exports of the company ? 2
- (iii) If the imports of the company in 2011 is Rs. 272 crores, find the exports from the company in 2011. 2

13. (a) A uniform coin and a uniform die are thrown simultaneously. What is the probability of getting an even number on the die ? 3
- (b) Find the probability that a leap year will have 53 Sundays. 3



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