

CSM – 4/16
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 : $10 \times 2 = 20$

- (a) How does political leadership of a nation affect its foreign policy ?
- (b) Give a brief detailed about BIMSTEC and its objectives.
- (c) Evaluate India's changing relationship with USA in present scenario.

2. Answer any **one** of the following : 10

- (a) Briefly discuss One Belt One Road (OBOR) Initiative of China. What are its security concerns posed to India ?

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(b) Explain Radicalization and how it is a security threat to India.

3. Answer any one of the following : 10

(a) Discuss the important elements of India's Nuclear Policy.

(b) Briefly explain NSG and examine its significance for India.

4. Answer any one of the following : 10

(a) Discuss the role of Indian Diaspora in the Nation Building of India.

(b) What is the Make in India Project ? Why it is significant ?

5. Answer any three of the following : $10 \times 3 = 30$

(a) 'The objective of planning in India is not merely to augment growth but to ensure regional balance.' Explain.

(b) 'The sluggish economic development in India has been basically due to deficiency in physical and social infrastructure.' Elucidate.

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(2)

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- (c) Discuss the objectives of the New Economic Policy, 1991 of the Government of India. How far has the Policy been successful in achieving these objectives ?
- (d) Discuss the problems and prospects of Corporate Social Responsibility in India.

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

- (a) Foreign Institutional Investors (FIIs).
- (b) Foreign Investment Promotion Board of India.
- (c) Trade Deficit of India.
- (d) Convertibility of Indian Rupee.
- (e) India's borrowing from IMF.
- (f) World Bank Aid to India.
- (g) WTO and Indian Agriculture.
- (h) Non-Performing Asset (NPA) of Commercial Banks in India.
- (i) Supervisory function of the Reserve Bank of India.
- (j) Monetary targeting by the Reserve Bank of India.

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7. Answer any **two** of the following : $15 \times 2 = 30$

- (a) Why is Odisha scoring low in Human Development Index ? Discuss the major initiatives taken by the Government of Odisha to reverse the trend.
- (b) Discuss the constraints on achieving inclusive growth strategy in Odisha. How can the constraints be violated ?
- (c) 'Uneven industrial development has been one of the major sources of regional disparity in Odisha.' Explain.

8. Write short notes on any **two** of the following

$10 \times 2 = 20$

- (a) SAARC and Pakistan
- (b) Baloochistan Issue and India
- (c) South China Sea Dispute

9. Write short notes on any **two** of the following :

$10 \times 2 = 20$

- (a) Brexit and European Union
- (b) ASEAN
- (c) UN Reforms

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10. (a) Answer the following questions in **50** words each : $6 \times 5 = 30$

- (i) Discuss the discovery of new continent Zealandia. What is its scientific value ?
- (ii) What is that laser technique which researchers recently developed for assessing the stiffness of cancer cells ? In which way this is better ?
- (iii) What is three dimensional printing ? How does it work ?
- (iv) What is the cryogenic engine tested by ISRO for GSLV Mark III rocket ? Why is this test significant ?
- (v) Write a note on world's smallest (nano) thermometer.

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

- (i) What is VSAT ? Explain how VSAT is useful for remote folks. How is it efficient compared to other means of communication ?

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- (ii) Does radio wave need a medium to travel things ? Explain how does a space probe communicate ?
- (iii) What are uplink and downlink ? What are the new communication features used by DSI ?
- (iv) How is the amplification of radio telecommunication signal relayed ? What is communication satellite and how its orbits are classified ?
- (v) Write a brief note on successful launching of 'Space' X satellite from NASA.

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

- (i) What is software ? Categorise different types of application software as per their use.
- (ii) Write the classification of programming languages and explain the corresponding programmes.

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(iii) How do we maintain computer security ?

What are the common viruses ?

(iv) What is a motherboard in a computer ?

Write different components of it and their use.

(v) What is Microsoft Word ? Can you get

Microsoft office in an android tablet ?

Justify.

11. Represent the following distribution of weights of 100 children by a histogram : 5

Weight (in Kg.)	No. of children
Less than 10	4
Less than 20	6
Less than 30	24
Less than 40	46
Less than 50	67
Less than 60	86
Less than 70	96
Less than 80	99
Less than 90	100

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12. A class has four Sections A, B, C and D. The results of first-term and second-term examinations are displayed in the table given below. Answer the questions based on the table :

Result	Number of Students			
	Section – A	Section – B	Section – C	Section – D
Students failed in both terms	28	23	17	27
Students failed in first term but passed in second-term	14	12	8	13
Students passed in first-term but failed in second-term	6	17	9	15
Students passed in both terms	64	55	46	76

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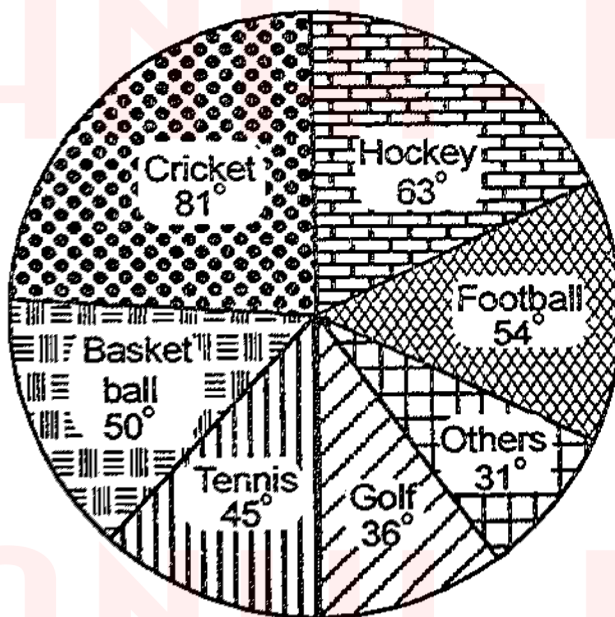
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- (i) Which Section has the minimum failure rate in first-term examination ? 3
- (ii) Which Section has the maximum pass percentage in at least one of the two examinations ? 3

13. The following pie-diagram shows the spending on various sports during a particular year. Study the diagram carefully and answer the questions :



- (a) What percent of the total spending is spent on Tennis ? 3

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(b) If the total amount spent on sports during the year is Rs. 2 crores, what amount is spent on Cricket and Hockey together ? 3

(c) If the total amount spent on sports during the year is Rs. 1,80,00,000, find the excess amount that is spent on Basketball as compared to Tennis. 3

14. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3 or 5 ? 5

15. An analysis of the daily wages paid to workers in two firms A and B belonging to the same industry gave the following results :

Firm	No. of workers	Average wage (Rs.)	Variance of the wage distribution
A	160	560	400
B	150	575	625

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- (i) Which firm pays larger amount as daily wages ? 2
- (ii) In which firm is there a greater variability in individual wages ? 3



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