

<b>CSM – 4/16</b>
<b>General Studies</b>
<b>Paper – II</b>

*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) 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 ?

WG – 4/5

( Turn over )

- (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.

- (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 : 3×10 = 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.

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

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 ?

- (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 : 6×5 = 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.

- (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

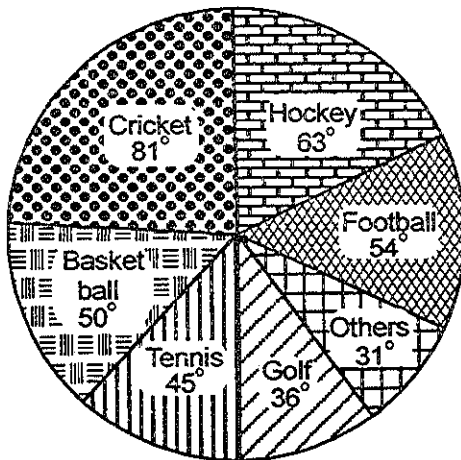
12. A class has four Sections A, B, C and D. The results of first-term and second-term examinations are displayed in the table given below. Answer the questions based on the table :

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



- (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

- (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

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



