

<b>CSM – 5/20</b>
<b>Compulsory Paper – V</b>
<b>General Studies – II</b>

*Time : 3 hours*

*Full Marks : 300*

*The figures in the right-hand margin indicate marks.*

*Answer all questions.*

**Instruction :** A graph sheet may be provided to the examinees for answering Q. 20.

Answer the following questions in about 150 words each (Q. Nos. 1 to 10):

1. What are the implications of Taliban's recent resurgence in Afghanistan on regional security in South Asia with special reference to India ?  
10
2. Indian Diaspora can provide the requisite strategic impulse to unlock India's potential as a global power. Discuss. 10

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3. Explain how the fiscal policy of the Government can play a positive role during Covid-19. 10
4. Give a brief outline of regional disparity in Odisha. What policy measures do you suggest for balanced regional development of Odisha ? 10
5. Critically examine the World Health Organisations response to Covid-19. 10
6. What are the consequences of British Exit from European Union ? 10
7. How did semiconductors become the backbone of modern day technology ? 10
8. Briefly explain the principle of optical fibers that are used in communication technology. 10
9. Explain briefly a histogram and how to construct it. How will you identify a skewed and a symmetric histogram ? 10

10. What do you mean by standard deviation ?  
How does it differ from the coefficient of variation ? A series 10, 15, 20, 25, 30, 35 and 40 has a standard deviation of 10. Explain what should be the standard deviations of 5, 10, 15, 20, 25, 30 and 35 and 1, 2, 3, 4, 5, 6 and 7 ?
- 10

Answer the following questions in about 250 words each (Q. Nos. 11 to 20) :

11. Does India need to reconsider its 'No first use policy' ? What would be the possible consequences if India changes its policy of 'no first use' to use in first instance ?
- 20
12. What are the impediments faced by Indian abroad during Covid-19 and what steps government has taken to tackle them ?
- 20

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13. Discuss the nature of structural changes in the Indian economy during the past two decades. Comment on the implications of such changes. 20
14. Explain why foreign trade is important for India. Discuss the trends of Indian exports and imports in recent years. 20
15. Discuss the justifications of India's bid for a permanent member of the UN Security Council. 20
16. What are the possible implications for India of US withdrawal from Afganistan ? 20
17. Wireless communications are curse for the soceity. Please justify this statement. 20
18. Computers use various kinds of memory devices. In what way they differ from each other ? 20

19. Explain, with suitable examples, the terms frequency, relative frequency and cumulative frequency. The word length for each of the 90 words in a poem is as follows. 20

5	4	3	5	8	6	6	3	4	3
4	4	5	8	2	6	7	6	4	5
6	4	9	6	4	2	2	2	9	2
3	3	3	2	4	7	7	2	4	4
4	3	4	4	2	4	4	9	3	7
4	5	9	6	3	5	2	5	10	3
5	7	3	3	3	6	2	5	3	3
3	2	4	5	8	5	3	4	4	6
7	2	3	5	5	5	3	2	4	5

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(Turn over)

Summarize the above data in terms of a suitable frequency distribution and obtain less than type cumulative frequencies. With the help of constructed frequency distribution estimate the following :

- (a) Probability that the length of a word in the poem is 9.
- (b) Probability that the length of a word in the poem is less than or equal to 3.
- (c) Probability that the length of a word in the poem is not less than 5.

20. Discuss briefly some of the important types of diagram which are used in the representation of statistical data. Draw a suitable diagram to represent the following data on the distribution of employment status of people by their broad categories :

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Employment Status	Rural		Urban	
	Male (in 1000)	Female (in 1000)	Male (in 1000)	Female (in 1000)
Employed	961	708	977	826
Unemployed	11	9	7	8
Not in labour force	28	283	16	166



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