



## केन्द्रीय माध्यमिक शिक्षा बोर्ड



(मानव संसाधन विकास मंत्रालय, भारत सरकार, के अधीन एक स्वायत्त संगठन)

शिक्षा सदन, 17, इन्स्टिट्यूशनल क्षेत्र, राउज एवेन्यु, दिल्ली-110002.

### CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organization under the Union Ministry of Human Resource Development, Govt. of India)

"Shiksha Sadan", 17, Institutional Area, Rouse Avenue, Delhi-110002

CBSE/ACAD/DD(SC)/2016

Dated:26.07.2016

Circular No. Acad-32/2016

All the Heads of Schools affiliated to CBSE

**Subject: The Question Paper Design in the subject of Mathematics (Class XII) for the Board Examination 2017**

Dear Principal

The following will be applicable in the subject Mathematics (041) for class XII for the academic session 2016-17 and Board examination 2017:

#### 1. Question Paper Design

S. No.	Typology of Questions	VSA (1 Mark)	SA (2 Marks)	LA-I (4 Marks)	LA-II (6 Marks)	Marks	Weightage
1	Remembering	2	2	2	1	20	20%
2	Understanding	1	3	4	2	35	35%
3	Application	1	-	3	2	25	25%
4	HOTS	-	3	1	-	10	10%
5	Evaluation	-	-	1 (VBQ)*	1	10	10%
	<b>Total</b>	<b>1x4=4</b>	<b>2x8=16</b>	<b>4x11=44</b>	<b>6x6=36</b>	<b>100</b>	<b>100%</b>

\* Value based question of 04 marks

#### 2. Question-wise break-up

Type of Question	Marks per question	Total no. of questions	Total Marks
VSA	1	4	4
SA	2	8	16
LA-I	4	11	44
LA-II	6	6	36
<b>Total</b>		<b>29</b>	<b>100</b>

#### 3. Difficulty level

Difficulty level	Weightage
Easy	20%
Average	60%
Difficult	20%

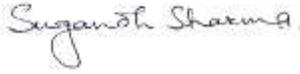
#### 4. Choice(s):

There will be no overall choice in the question paper. However, 30% internal choices will be given in 4 marks and 6 marks questions.

It is requested that the above information be brought to the notice of concerned teachers and students alongwith the Sample Question Paper enclosed with the circular.

For any query or clarification, you may also contact **Sh. Subhash Chand, Deputy Director**, at [schand.cbse@gmail.com](mailto:schand.cbse@gmail.com)

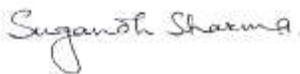
With warm regards



**Sugandh Sharma**  
**Additional Director and In-charge (Research and Innovation)**

**Copy with a request to respective Heads of Directorates/KVS/NVS/CTSA as indicated below to also disseminate the information to all concerned schools under their jurisdiction:**

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, New Delhi-110016.
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054.
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160 017.
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101.
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791 111
7. The Director of Education, Govt. of A&N Islands, Port Blair - 744101.
8. The Director of Education, S.I.E., CBSE Cell, VIP Road, Junglee Ghat, P.O. 744103, A&N Islands.
9. The Secretary, Central Tibetan School Administration, ESS Plaza, Community Centre, Sector 3 Rohini, Delhi-110085.
10. The Additional Director General of Army Education, A –Wing, Sena Bhawan, DHQ, PO, New Delhi-110001.
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010.
12. All Regional Directors/ Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions.
13. All Associate Professor & Additional Directors/ Advisors/ Consultants/Education Officers.
14. All Additional Director/ Joint Director/ Deputy Director/ Assistant Director, Vocational Cell.
15. All Assistant Professor & Joint Directors, CBSE
16. All Assistant Professor & Deputy Directors, CBSE
17. The Officer in charge of I.T. with the request to put this circular on the CBSE websites.
18. The Assistant Librarian, CBSE
19. The Public Relations Officer, CBSE
20. The Hindi Officer, CBSE
21. SPS to Chairman, CBSE
22. SPS to Secretary, CBSE
23. SPS to Controller of Examinations, CBSE
24. SPS to Director (Special Exams and CTET), CBSE
25. PA to Professor & Director (Academics, Research, Training & Innovation), CBSE
26. PA to Director (Information Technology)



**Sugandh Sharma**  
**Additional Director and Incharge (Research and Innovation)**