

From

The Secretary,
Haryana State Board of Technical Education,
Camp office at Government Polytechnic Panchkula,
Sector -26, Haryana

To

All the Principals offering Diploma courses

Memo No. 318 /Exam /HSBTE

Dated: 22.04.2024

Subject: Guidelines regarding use of Scientific Calculator in Diploma Semester Theory Exams conducted by HSBTE for upcoming Exam.

Based on the revised curriculum, the revised list of subject IDs in each field / branch for which the use of Scientific Calculator for Semester Theory Examinations may be allowed in State Board Diploma Theory Exams is as under:

Sr.No	Sem/ Year	Subject ID	Subject Name
1	I	180015	Engineering Graphics
2	I	180017	Applied Mechanics
3	I	220015	Engineering Graphics
4	I	221014/212817	Fundamental of Electrical Engineering / Fundamentals of Electrical Engg.
5	II	212824	Applied Mechanics
6	II	220025	Engineering Graphics
7	II	220125	Mechanical Engineering Drawing -I
8	II	220327	Workshop Technology-I
9	II	220524	Mechanical Operations
10	II	220527	Fluid Flow
11	II	220921	Electrical Networks
12	II	221021	Electronic Instruments and Measurement
13	II	221821	Mechanics of Solids
14	II	222224	Polymer Chemistry
15	II	120026/030026	Applied Mechanics
16	II	202425/171027/120828/030828	B E E
17	II	220021/212824	Applied Mechanics
18	III	170332	Applied Mechanics
19	III	180332	Basic of Thermodynamics, Hydraulics and Pneumatics
20	III	170333/120333/030333/ 030345/344	Auto Engg. Drawing
21	III	180331/120331/031731/ 32233/ 30332/ 105232	Strength of Materials/ Basic Mech. Engg.
22	III	180531/120531/30531/116833	Fluid Flow
23	III	180533/120533/30533/116836	Mech. Operations
24	III	180535/120535/30535	Heat Transfer I/Heat Transfer
25	III	180731/170731/120731/030731	Fluid Mechanics
26	III	180732/120732	Structural Mechanics
27	III	180733/170733/120733/030733	Surveying - I

28	III	181732/121732/031732/ 94834/ 117232	Thermodynamics I/Thermodynamics/ Pr. Of Therm. Engg.
29	III	182233/122233/ 032232/2234	Fluid Flow/Viscous Flow of Fluids/ Unit Op.-I
30	III	220331	Strength of Materials
31	III	220332	Auto Engineering Drawing
32	III	220333	Basics of Thermodynamics, Hydraulics and Pneumatics
33	III	220732	Structural Mechanics
34	III	220733	Surveying-I
35	III	220735	Fluid Mechanics
36	III	221733	Thermodynamics - I
37	IV	120345	Mechanics of Vehicles
38	IV	170342	Strength of Materials
39	IV	180345	Automobile Engg. Drg.
40	IV	180745	Soil Mechanics & Found. Engg.
41	IV	121745/31745	M/c Des.& Drg.
42	IV	170345/ 30331	Basic of Thermodynamics, Hydraulics and Pneumatics
43	IV	170745/120745	Reinforced Concrete Design
44	IV	170747/030745	Structural Mechanics
45	IV	171041/121041/31041	Network Filters & Transmission Lines
46	IV	171741/121741/31741/ 117243	Hyd. & Pneumatics/ Hyd. & Hyd. M/c
47	IV	171743/ 30434/452	Thermodynamics-I
48	IV	180144/120144/30144	Manufacturing Tech. II
49	IV	180245/120245/30245	Structural Mechanics
50	IV	180341/170341/120341/30341	Auto Engine I
51	IV	180541/120541/30541	Mass Transfer I
52	IV	180545/120545/30545	Heat Transfer II
53	IV	180642/120642/30642	Chem. Engg. Thermo. & Rxn Engg.
54	IV	180643/120643/116843	Heat Transfer
55	IV	180645/120645/ 30651	Stock Preparation- I
56	IV	180646/120646/ 30654	Paper Making- I
57	IV	180743/170743/120743	Irrigation Engg.
58	IV	180744/170744/120744/30744	Surveying-II
59	IV	181743/121743/31743	I.C. Engines/App. Thermodynamics
60	IV	220143	Manufacturing Technology
61	IV	220542	Mass Transfer Operations-I
62	IV	220543	Heat Transfer Operations-I
63	IV	220642	Mass Transfer
64	IV	220643	Heat Transfer
65	IV	220644	Paper Making – I
66	IV	220742	Surveying -II
67	IV	220744	Soil Mechanics and Foundation Engineering
68	IV	220746	Irrigation Engineering
69	IV	221746	Thermodynamics - II
70	V	120753	Steel Structure Design
71	V	170751	RCC Drawing
72	V	170755	Quantity Surveying

73	V	171751	Thermodynamics II
74	V	030754/0742	Irrigation Engg. & Drg.(4 Hrs)
75	V	170754/120754/ 030743/752	Soil Mechanics & Foundation Engg./Soil & Found. Engg.
76	V	180253/120253/ 030255/241	Reinforced Cement Concrete(RCC)
77	V	180351/170351/120351/030351	Auto Engines -II
78	V	180553/120553/30553	Mass Transfer - II
79	V	180652/120652/ 30662	Stock Preparation-II
80	V	180654/120654/ 30665	Paper Making - II
81	V	180655/120655/30655	Chem. Recovery
82	V	180751/030751/0753	RCC Des.& Drg. (6Hrs.)
83	V	180752/170752/120752/30752	Highway Engineering
84	V	180755B	Ref. & Air Conditioning
85	V	180954A/170954A	Instrumentation
86	V	181752/171752/121752/31752	Ref. & Air Conditioning
87	V	181754/171754/121754/031751/ 105233	Theory of M/c
88	V	181756/171756	Machine Design
89	VI	170763	Steel Structure Design
90	VI	170764	Steel Structure Drawing
91	VI	170766B/120766C	Pre-stressed Concrete
92	VI	180261/120261/030261	Qty. Surveying & Valuation/Qty Surv., Val. & Spec.
93	VI	180761/030761/0762	Steel Str. Deg. &Drg.(4hrs)
94	VI	180763/120763/ 30755/756/ 30763	Quantity Surveying & Valuation
95	VI	181762/171762/121762/31762/ 84532/ 31846/ 105355	Inspection & Quality Control/ Metrology
96	VI	181765/171765/105362/106162	Estimating & Costing
97	VI	181861B/120361/031863/084561 / 105244/ 30354/1765	Industrial Engg.

Accordingly, scientific calculator may please be allowed in Diploma Semester Theory Exams for the above mentioned subject IDs and all concerned be informed and a copy must be handed over to the Exam Supdt. in case Exam Centre is established in your institute.

Note: Simple Calculator is permissible in paper of Applied Mathematics.

**Controller of Exam,
HSBTE, Panchkula**

Endst. No. 319-320 /Exam /HSBTE

Dated: 22.04.2024

A copy of the above is forwarded to the following:-

- 1 Secretary, HSBTE
- 2 O/I Exam of each Institution offering Diploma Courses

**Controller of Exam
HSBTE, Panchkula**