

Marking Scheme
Strictly Confidential
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Senior Secondary School Examination, 2026 (XIIth)
SUBJECT NAME : Design (Q.P. CODE 830/354)

General Instructions: -

1	The CBSE has decided to introduce On Screen Marking (OSM) for the evaluation of Class XII answer Book with the 2026 Examination.
2	You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully.
3	“Evaluation policy is a confidential policy as it is related to the confidentiality of the examinations conducted, evaluation done and several other aspects. Its leakage to public in any manner could lead to derailment of the examination system and affect the life and future of millions of candidates. Sharing this policy/document to anyone, publishing in any magazine and printing in Newspaper/Website, etc. may invite action under various rules of the Board and IPC.”
4	Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one’s own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. However, while evaluating, answers which are based on latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and due marks be awarded to them. In Class-XII, while evaluating two competency-based questions, please try to understand given answer and even if reply is not from marking scheme but correct competency is enumerated by the candidate, due marks should be awarded.
5	The Marking scheme carries only suggested value points for the answers. These are in the nature of Guidelines only and do not constitute the complete answer. The students can have their own expression and if the expression is correct, the due marks should be awarded accordingly.
6	The Head-Examiner must go through the first five answer books evaluated by each evaluator on the first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. If there is any variation, the same should be zero after deliberation and discussion. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators.
7	Evaluators will mark (✓) wherever answer is correct. For wrong answer CROSS ‘X’ be marked. Evaluators will not put right (✓) while evaluating which gives an impression that answer is correct and no marks are awarded. This is most common mistake which evaluators are committing.
8	If a question has parts, please award marks on the right-hand side for each part in the OSM Portal. Marks awarded for different parts of the question will be totaled up by the OSM System.
9	If a question does not have any parts, marks must be awarded in the left-hand margin in the OSM Portal. This may also be followed strictly.

10	No marks to be deducted for the cumulative effect of an error. It should be penalized only once.
11	A full scale of marks _____ (example 0 to 80/70/60/50/40/30 marks as given in Question Paper) has to be used. Please do not hesitate to award full marks if the answer deserves it.
12	Every examiner has to necessarily do evaluation work for full working hours i.e., 8 hours every day and evaluate 20 answer books per day in main subjects and 25 answer books per day in other subjects (Details are given in Spot Guidelines). This is in view of the reduced syllabus and number of questions in question paper.
13	<p>Ensure that you do not make the following common types of errors committed by the Examiner in the past :-</p> <ul style="list-style-type: none"> • Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answer.) • Half or a part of answer marked correct and the rest as wrong, but no marks awarded.
14	While evaluating the answer books if the answer is found to be totally incorrect, it should be marked as cross (X) and awarded zero (0) Marks.
15	The Examiners should acquaint themselves with the guidelines given in the “Guidelines for Spot Evaluation” before starting the actual evaluation.
16	The candidates are entitled to obtain photocopy of the Answer Book on request on payment of the prescribed processing fee. All Examiners/Additional Head Examiners/Head Examiners are once again reminded that they must ensure that evaluation is carried out strictly as per value points for each answer as given in the Marking Scheme.
17	If a candidate attempts both alternatives/options in a question where only one option/ alternative is required to be attempted, the Evaluator shall award marks in both the options. The system will take the higher of two scores and disregard the other response.
18	In a question having two options/alternatives, if a candidate has attempted only one, then the evaluator shall mark “NA” (Not attempted) against the option that has not been attempted by the candidate.

MARKING SCHEME
Design (Subject Code- 830)
(PAPER CODE: 354) (P3540830)

[illegible]

	(iii) (b) Comfort (iv) (d) Guarantee profit (v) (b) Shuttle (vi) (c) Dermatitis	1 1 1 1
	Answer any 5 out of the given 6 questions	5X1=5
5.	(i) (b) Edmund Cartwright (ii) (d) Human Rule (iii) (b) Nylon (iv) (c) Continuity (v) (b) Adobe photoshop (vi) (c) Competitive	1 1 1 1 1 1
	SECTION-B (Subjective Type Questions)	
	Answer any 3 out of the given 5 questions on employability skills. Answer each question in 20-30 words.	3x2=6
6.	Key Communication skills are – (i) Listening (ii) Speaking (iii) Reading (iv) Writing (Unit-1 Page No:1)	0.5+0.5+0.5+0.5=2
7.	Result orientation is a term used to describe a person's ability to recognise what results are important and the steps needed to be taken to achieve them. Two ways are :- (i) Set clear goals (ii) prepare an action plan (iii) Right resources (iv) Make a calendar (v) Work hard etc. (Unit-2, Page No : 28)	1+0.5+0.5=2
8.	The 4 ways of performing addition in a spreadsheet are :- (i) Adding values directly – To do any calculation in a spreadsheet, we need to use = (equal-to) symbol, which tells the spreadsheet that a formula has been entered. (ii) Adding using cell address – Spreadsheets use cell addresses to refer to location where one stores data. (iii) Using mouse to select values in a formula – Using a mouse simply select the cell to be used in the formula instead of typing the cell addresses. (iv) Using sum () function – It is easier to do calculations. This help in adding the numbers in spreadsheet cells or in a cell range. (Unit-3, Page No : 50, 51, 52)	0.5+0.5+0.5+0.5=2

9.	<p>The Common Environmental Factors :-</p> <ul style="list-style-type: none"> (i) Lack of adequate resources or raw material. (ii) Non-availability of skilled labour. (iii) Lack of infrastructure and machinery. (iv) Unavailability of monetary. <p style="text-align: right;">(Unit-4, Page No : 92)</p>	0.5+0.5+0.5+0.5=2
10.	The Gestalt principles are a set of laws arising from 1920's psychology describing how typically we see objects by grouping similar elements, recognising patterns and simplifying complex images.	1+1=2
11.	It usually involves a group, under the direction of a facilitator the strength of brainstorming is the potential participants have in drawing association between their idea in a free thinking environment. There by broadening the solution space.	2
12.	Ideation stage helps in generating ideas after empathise phase to solve the problem of the customers. It involves generating ideas and solutions through sessions such as sketching, proto typing and brainstorming, etc.	2
13.	<u>Thermoplastics</u> are most commonly used plastic. The main feature that sets them apart is their ability to go through numerous melt and solidification cycles without degradation. <u>Thermosetting plastics</u> decompose when heated rather than melting and will not reform upon cooling.	1+1=2
14.	Creating book, magazines, brochures print as well as digital. (Unit-1 Self made)	1+1=2
15.	Comfort, usage, body posture space, colour. (Unit-1 Self made)	0.5+0.5+0.5+0.5=2
16.	<ul style="list-style-type: none"> 1. Extrusion Blow Molding (EBM) 2. Inject Blow Molding (IBM) 3. Injection Stretch Blow Molding 	1+1+2=4
17.	Pulp and paper Industries, Match Industries, Timber and Sawn Wood Industries, Plywood Industries, Particle Board Industries, Fibre Board Industries, Dendro Biomass Power Generation Industries, Value Addition Industries.	1+1+1+1=4
18.	A hex code is a six character alphanumeric code preceded by a hash symbol (#) used to define a colour by representing its Red, Green and Blue (RGB) components. The numbers and letters "0 – 9" and "A – F" determine the intensity of each colour channel.	2+1+1=4
19.	Hand tool wood working, Power tool wood working, Digital wood working, Blended wood working, Speciality wood working.	1+1+1+1=4
20.	<p>Risk Matrix are inter industry safety standard primary tool used in risk evaluation. It is broken into 3 categories</p> <ul style="list-style-type: none"> 1. Acceptable risk (green) 2. Unacceptable risk (red) 3. Acceptable with mitigation. <p>Risk assessment involves – – Risk control adequacy</p>	2+2=4

	<ul style="list-style-type: none"> – Likelihood of hazard or mishap – Severity of mishap – Kinds of measures needed to reduce exposure. 	
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