



छत्तीसगढ़ माध्यमिक शिक्षा मण्डल, रायपुर

Phone No. 0771- 3057046, Fax No .0771- 2429385

प्रश्न पत्र – योजना

Scheme of Question Paper

विषय(Subject) :- Electronics and Hardware

पूर्णांक(MM)– 100

विषय कोड (Subject Code) :- 910

परीक्षा (Exam) VOC High School

समय(Time)– 3:00 घण्टे

कक्षा (Class) :- 9th-

I. The weightage of educational objectives(शैक्षिक उद्देश्यों के अनुसार अधिभार)

S.No.	Educational Objectives	Marks	Percentage	Area
1.	Knowledge (ज्ञान)	27	27%	
2.	Understanding (अवबोध)	54	54%	
3.	Application & Skill (अनुप्रयोग एवं कौशल)	19	19%	
	योग (Total)	100	100%	

II. Weightage to Difficulty Level of Questions (प्रश्नों का स्तर)

S.No.	Estimated difficulty level	Marks	Percentage
1.	Easy (सरल)	27	27%
2.	Average (औसत)	54	54%
3.	Difficult (कठिन)	19	19%

Note – A question may vary in difficulty level from individual to individual as such the approximation in respect of each question will be made by the paper setter on the basis of general anticipation from the group as a whole taking the examination. The provision is only to make the paper balance in its weight rather than to determine the pattern of marking at any stage.

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

नाम
12/10/18
Naveen
12/10/2018
M. Kumbhar

नाम
12/10/18
N. Kumbhar
12/10/18
M. Kumbhar

III. Weightage to Content/Subject Units (इकाईवार अंको का अधिभार)

विषय (Subject) — **Electronics and Hardware**

कक्षा (Class) — **9th**

पूर्णांक (MM) — 100

अधिभार (Weightage) — 30%

S.No.	Units	Weightage/Marks Unit Wise	Period
1	Basics of Electricity and electronics	12	
2	Role of a field technician of the home appliances	10	
3	Basics of water based appliances	12	
4	Installing water purifiers	11	
5	Repairing RO water purifiers	11	
6	Repairing mixer / grinder / juicer	13	
7	Repairing microwave oven	12	
8	Interacting with co-workers	11	
9	Employability and Entrepreneurship skill	8	
		100	

PARTICIPANTS-

S.N.	NAME	INSTITUTION	DIST	SIGN
1	RENUKA DHRUVA WIE	G.H.S.S. Raitem	Mahasamund	
2	HEMLATA SAHU	G.H.S.S. Khallari	Mahasamund	
3	SHRADDHA UPADHYAY	Govt. H.S. School Khamharita	Mahasamund	
4	SANJAY SHRIVASTAVA	G.H.S.S. Pendulona	Mahasamund	
5	BHOLA SHANKAR CHANDRA	G.H.S.S. Mungaser	Mahasamund	
6	HARISH KUMAR SAHU	Govt. H.S. School BhaiSmai Korbei.	Korbei	
7	NAVEEN CHANDRAKAR	Govt. H.S. School Keimrod	MAHASAMUND	
8	MANISH CHANDRAKAR	Govt. H.S. School Ganjar Mahasamund	MAHASAMUND	
9	RAM CHANDRA SAHU	Govt. Hr. Sec. School Salhasary.	RAJNANGAON	
10	ARVIND KUMAR THAKUR	Govt. Kb. No. 110 Sec. School NARAA, MAHASAMUND	MAHASAMUND	

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

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IV(A). Weightage to Type of Questions (प्रश्नों के स्वरूप पर अधिभार)

S.No.	Type of questions	Marks for each questions	No. of questions	Total Marks	Percentage
1.	OBJECTIVE TYPE question	01	10	10	10%
		01	5	5	5%
2.	Very Short Answer (VSA)	02	6	12	12%
3.	Short Answer (SA ₁)	03	7	21	21%
4.	Short Answer (SA ₂)	04	5	20	20%
5.	Long Answer (LA ₁)	05	4	20	20%
6.	Long Answer (LA ₂)	06	2	12	12%
	Total		24+1(15)	100	100%

IV(B). The expected length of the answer and the time given under different forms of Question. (उत्तर की लम्बाई शब्दों में एवं लगने वाले समय)

S.No.	Type of questions	Expected length	No. of questions	Expected time for each question in minutes	Total time in minutes
1.	OBJECTIVE TYPE question	MCQ	10	1	10
		Objective A,B,C,	5	1	5
2.	VSA (अतिलघुउत्तरीय)	Up to 30 Words	6	4	24
3.	SA ₁ (लघुउत्तरीय ₁)	Up to 50 words	7	6	42
4.	SA ₂ (लघुउत्तरीय ₂)	Up to 100 words	5	7	35
5.	LA ₁ (दीर्घउत्तरीय)	Up to 150 words	4	10	40
6.	LA ₂ (दीर्घउत्तरीय)	Up to 200 words	2	12	24
	योग		24+1(15)		180

MCQ = Multiple Choice question

VSA = Very Short answer

SA₁ = Short answer

SA₂ = Short answer

LA₁ = Long answer

LA₂ = Long answer

Scheme of Options

1. There will be no options in from of "do any six question or so"
2. The alternate question given by way of choice should be based on same objective and the unit. It would have the same anticipated difficulty level and length of answer.
3. Internal options in SA-I, SA-II and LA-I and LA-II type question only may be.

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IV(C) प्रश्नपत्र का ब्लूप्रिंट (Blue Print of Question Paper)

विषय (Subject) – विषय कोड **Electronics and Hardware** (Subject Code) – 910 कक्षा (Class) – **9th** पूर्णांक(MM) – 100 समय (Time) 3 घंटे

स क्र	शैक्षिक उद्देश्य(Educational Objective)		ज्ञान (Remembering/Knowledge)						अवबोध (Understanding/comperison)						अनुप्रयोग एवं कौशल (Application/Applying and skill)						प्रश्नों की संख्या
	→		27						54						19						
	प्रश्नों के प्रकार(Types of Questions)		वस्तु निष्ठ प्रश्न	अ.ल. (V.S.)	ल.उ.	ल.उ.	दी.उ.		वस्तु निष्ठ प्रश्न	अ.ल. (V.S.)	ल.उ.	ल.उ.	दी.उ.		वस्तु निष्ठ प्रश्न	अ.ल. (V.S.)	ल.उ.	ल.उ.	दी.उ.		
	→				(SA ₁)	(SA ₂)	(LA ₁)	(LA ₂)			(SA ₁)	(SA ₂)	(LA ₁)	(LA ₂)			(SA ₁)	(SA ₂)	(LA ₁)	(LA ₂)	
	इकाई(Unit)	इकाई पर आबंटित अंक	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
1	Basics of Electricity and electronics	12	2	1		1			1		1										3+1(3)
2	Role of a field technician of the home appliances	10	1	1					1	1		1									3+1(2)
3	Basics of water based appliances	12	1				1				1				1	1					3+1(2)
4	Installing water purifiers	11			1				1		1							1			3+1(1)
5	Repairing RO water purifiers	11	1							1	1								1		3+1(1)
6	Repairing mixer / grinder / juicer	13	1										1		1					1	2+1(2)
7	Repairing microwave oven	12	1						1			1		1							2+1(2)
8	Interacting with co-workers	11	1		1						1	1									3+1(1)
9	Employability and Entrepreneurship skill	8							1	1			1								2+1(1)
	योग	100	1(8)	2(2)	3(2)	4(1)	5(1)		1(5)	2(3)	3(5)	4(3)	5(2)	6(1)	1(2)	2(1)		4(1)	5(1)	6(1)	24+1(15)=25

Note- Figures within brackets indicate the number of questions and figures outside the brackets indicate marks

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

हस्ताक्षर सदस्य (विषय विशेषज्ञ)

नाम

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