

CBSE | DEPARTMENT OF SKILL EDUCATION

MUSIC PRODUCTION (SUBJECT CODE: 832)

Marking Scheme of Sample Question Paper Class XII (Session 2020-2021)

Max. Time: 3 Hours

Max. Marks: 60

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Active Listen helps you build trust. True/ False Ans. True	1
ii.	Music is one of the important sources of motivation and inspiration in self management. True/False Ans. Yes	1
iii.	"Feeling extremely nervous and worried because you believe that other people do not like you or are trying to harm you" What type of personality disorder is this? A. Antisocial B. Paranoid C. Schizoid D. Narcissistic Ans. B. Paranoid	1
iv.	Write a command to creating a New Workbook. Ans. Control + N	1
v.	Perseverance is one of the important traits in Entrepreneurial Competence. True/False Ans .True	1
vi.	Write the full form of UNEP. Ans. United Nationals Environment Program	1

Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i	We should wear. Safety glasses to avoid a. Flying components off cuts b. Spitting of hot gun c. Protect ourselves from exposer of light from long period d. All of them Ans. d. All of them	1
ii	The real measure of a shocks intensity lies in the amount of a. Current b. Voltage c. Resistance d. Power Ans. a. Current	1
iii	A shock of 10000 volts would be more deadly than 100 volt. True/False Ans. FALSE	1
iv	Skin resistance decreases when a. The skin is wet b. The skin is dry c. The skin is disconnected to the earth d. All of them Ans. a. The skin is wet	1

v	We can prevent from hot soldering tools a. By use of soldering stand b. By use of pliers c. By use of fan d. A and B Ans. d. A and B	1
vi	Under loading can cause distortion because of a. There is not enough current draw b. There is delay in the current flow c. There is Impedance difference d. Above all Ans. a. There is not enough current draw	1
vii	Fuses are slightly larger than the required current . True/ False Ans. TRUE	

Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i	Good coiling of a cable is an important to increase the life of any cable a. It does not make any difference b. Some cables required coiling not all c. Yes coiling is important d. There is not any good or bad coiling Ans. c. Yes coiling is important	1
ii	Condenser microphones get affected by the humid environment a. Crackling noise never comes b. Crackling noise can come c. There is no affect of humid environment on microphones. d. Condenser microphones are very strong never makes crackling sound Ans. b. Crackling noise can come	1
iii	Ribbon microphones need a phantom power. True / False Ans. FALSE	1
iv	Positioning of ribbon microphones are very important to protect it from damage. a. Yes it is important b. it's not important c. Ribbon mics are strong .we can use them any which way d. Not any one of them is correct Ans. a. Yes it is important	1
v	Too much heat helps the soldering iron to solder fast. True/False Ans. FALSE	1

<p>vi</p>	<p>XLR. connector has</p> <p>a. 3 pins PIN 1 shield</p> <p> i. PIN 2 RED (POSITIVE)</p> <p> ii. PIN 3 WHITE (NEGATIVE)</p> <p>b. 3 pins PIN 1 Red (Positive)</p> <p> i. PIN 2 White (Negative)</p> <p> ii. PIN 3 SHIELDS. (Earth)</p> <p>c. 2 pins Pin 1 Tip red. (Positive)</p> <p> i. Pin 2 Sleeve (Earth)</p> <p>d. Pin 2 Pin 1. Ring (Negative)</p> <p> i. In 2 Sleeve. (Earth)</p> <p>Ans .a</p>	<p>1</p>
<p>vii</p>	<p>Over tightening is required in microphone's stand because</p> <p>a. Position of mic will be fix during performance</p> <p>b. You can take mic's stand in hand and perform</p> <p>c. over tightening of stand keep microphone safe</p> <p>d. None of them</p> <p>Ans. d. None of them</p>	

<p>Q. 4</p>	<p>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</p>	
<p>i</p>	<p>This is advisable to segregate all the cables and keep them separately.</p> <p>True / False</p> <p>Ans. TRUE</p>	<p>1</p>
<p>ii</p>	<p>We should always coil a power cable carrying a high current while operating to prevent any damage in cable.</p> <p>True / False</p> <p>Ans. FALSE</p>	<p>1</p>
<p>iii</p>	<p>Physical impact does not affect the microphones because they are made of metal and strong enough to take any physical impact.</p> <p>True / False</p> <p>Ans. FALSE</p>	<p>1</p>
<p>iv</p>	<p>WHAT is the correct method of winding and storing of audio cables?</p> <p>a. Over and over</p> <p>b. Over and under</p> <p>c. Figure 8</p> <p>d. All of them</p> <p>Ans. d. All of them</p>	<p>1</p>
<p>v</p>	<p>What is the correct sequence of connecting this equipment?</p> <p>a. EQ Mixer. Amplifier Speakers</p> <p>b. Mixer EQ Amplifier Speakers</p> <p>c. Amplifier. Speakers EQ Mixer</p> <p>d. Speakers Amplifier EQ Mixer</p> <p>Ans. b. Mixer EQ Amplifier Speakers</p>	<p>1</p>

vi	Volume is measured using a. Sound position level b. Sound pressure level c. Speak Pressure level d. Sound pressure Limit Ans. b. Sound pressure level	1
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Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	Back line refer to a. All the Audio equipment b. The Band's performing equipments / Instruments c. The lighting equipments d. Back drop and rigging Ans. b. The Band's performing equipments / Instruments	1
ii	Speakers are directly connected to a. Amplifier b. Mixing console c. Equalizer d. Microphones Ans. a. Amplifier	1
iii	The stage monitor operator mixes and balances the sound a. for the audience b. for the musicians c. For both d. None of them Ans. b. for the musicians	1
iv	Write the key command to duplicating in Neundo / Cubase Ans. CONTROL + D	1
v	Write a key command to open a new track in Neundo / Cubase. Ans. CONTROL + N	1
vi	We record VSTI in a. MIDI format b. Wave format c. PCM format d. MP3 format Ans. a. MIDI format	1

Q. 6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	What is the best format for Master CD/ Master track? a. .MP3 b. .WMA c. .AAC d. .WAV Ans. d. .WAV	1

ii	A guitar player wants to record his instrument track in your studio. Which track you will open in DAW? a. MIDI track b. Instrument track c. Audio track d. Aux Track Ans. c. Audio track	1
iii	Write a key command to split or cut a track in Neundo / Cubase. Ans. CONTRL + X	1
iv	Write a key command to save a project or session in Neundo/ Cubase. Ans. CONTRL + S	1
v	Write Key command to zoom out in Neundo / Cubase. Ans. G	1
vi	Write a short command to open a VSTI window. Ans.F11	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)

Answer each question in 20 – 30 words.

Q. 7	Write the 4 steps of Active listening. Ans. Active listening requires four discrete steps. CONTACT—connect with the participant who is contributing; eye contact, open posture, and nonverbal responses. ABSORB—take in all aspects of the spoken message, implicit and explicit and nonverbal clues. Do not judge or evaluate. REFLECTIVE FEEDBACK—mirror, reflect, or feedback what you have heard and why the contributor claims to be valid. CONFIRM—receive confirmation from the speaker that you heard the participant’s message accurately. If not, start the method over again at the beginning by having the speaker restate their	2
Q. 8	What types of Personality traits are required in Self-Management? Ans. Extraversion: Gregarious, assertive and sociable.(Opposite reserved, timid, quiet.) • Agreeableness : Cooperative, warm and agreeable.(Opposite cold, disagreeable and antagonistic) • Conscientiousness : Hardworking, organized and dependable(lazy, disorganized and unreliable) • Emotional stability : Calm, self-confident and cool(insecure, anxious and depressed) • Openness to experience : Creative, curious and cultured(narrow interests)	2
Q. 9	Write the procedure to changing Row Height and Column Width. Ans. You can change the row height in a Calc worksheet in any of the following ways: • Drag the divider below the row. • To fit the row height to the cell contents, double-click the divider. • Select Format > Row > Height. The Row Height dialog box appears. Enter the value for row height in the Height spin box. Click Ok button. Changing Column Width You can change the column width in a Calc worksheet in any of the following ways: • Drag the divider to the right of the column header (Fig 11). 2 • To fit the column width to the cell contents, double-click the divider. • To change the column width, select Format > Column > Width. The Column Width dialog box appears. Enter the value for column width in the Width spin box. Click Ok button.	2

<p>Q. 10</p>	<p>What are Smart Goals? Write the acronym of S.M.A.R.T .</p> <p>Ans. S.M.A.R.T. is an acronym for the 5 steps of specific, measurable, attainable, realistic, and timely goals. It's a simple tool used by businesses to go beyond the realm of fuzzy goal- setting into an actionable plan for results.</p> <p>Specific: Great goals are well-defined and focused</p> <p>Measurable: A goal without a measurable outcome is like a sports competition without a scoreboard. Concrete numbers should be put in the goals to know if one is on track.</p>	<p>2</p>
<p>Q. 11</p>	<p>How the 4Rs are helpful in minimizing waste and pollution?</p> <p>Ans. : This problem has come a long way and the probable solution to this has been provided in 4Rs and 1U of sustainable development – REFUSE, REDUCE, REUSE, RECYCLE & UPCYCLE. Following these has definitely helped minimize the waste and pollution. But, the recyclers job at its best is trying to put a full stop to this problem. The concept of upcycling and the avenues it has created for a green market are luring and helps resolve this problem to a great extent</p>	<p>2</p>

Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)

<p>Q. 12</p>	<p>Write 2 points to prevent injury from sharp tools.</p> <p>Ans. 1. Make sure blades are travelling away from you 2. Cutter are used safely</p>	<p>2</p>
<p>Q. 13</p>	<p>What causes the deterioration of higher frequency response of the tape machines?</p> <p>Ans. Residual magnetism builds up in the record and play heads after extensive use causes the deterioration.</p>	<p>2</p>
<p>Q. 14</p>	<p>What is defragmentation of hard drives in computers?</p> <p>Ans. Process to gather all the file fragment into contiguous data file</p>	<p>2</p>
<p>Q. 15</p>	<p>What is the difference between front of house console and stage monitor console?</p> <p>Ans. Front of house console controls for the audiences and stage monitor console controls for the musicians</p>	<p>2</p>
<p>Q. 16</p>	<p>What are the 2 ways of changing BPM in Neundo/ Cubase?</p> <p>Ans. 1. directly from the transport panel 2.to press Control +T for opening new window of BPM</p>	<p>2</p>

Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)

<p>Q. 17</p>	<p>Write 3 points of physiological effect of electric shock.</p> <p>Ans. 1. It harms or interferes with proper functioning of the nerves system and heart 2.It subject the body to intense heat 3. It causes the muscles to contract</p>	<p>3</p>
<p>Q. 18</p>	<p>How the newer solder's mixture is deferent from the older solders?</p> <p>Ans. older mixture has 60% tin and 40% lead but newer solder have been developed to eliminate the use of lead and have various mixtures ., tin copper silver zinc and other additives</p>	<p>3</p>

Q. 19	<p>What do you understand by “Stage plot “ in live sound or live performance? Ans. Stage plot is a bird's eye view of the stage, detailing performer's position on stage and any useful information about setting the band on stage .It should include</p> <p>A. The Band's name B. Information of the placing of the band, Amplifier/Instruments, stage monitor placement, number of sends and power requirement send location. C. where is the stage front</p>	3
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Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

Q. 20	<p>What is RCD? Where is this placed and how these devices protect us? Ans. RCD is Residual current device this device monitor the balance of current in the active and neutral conductors and will trip if the balanced is outside the range . This may be 6 10 or 30 milliamp.</p> <p>These device are generally placed in the switch board of the building and central distribution boards of a system and need to be strategically placed to maximize their effectiveness.</p> <p>RCD prevents us from getting electric shock which could be dangerous to our life. RCD also provides some protection against electrical fires.</p>	4
Q. 21	<p>What are the general guidelines when we use soldering iron? Ans. 1. Turn on iron well before needed to allow the tip to reach full temperature. Usually around 370 degree Celsius - 400 degree Celsius depending on the size of tips and soldering job to be done.</p> <p>2. Use the tip suitable for the work being soldered -use bigger tip for heavier work such as connectors, small tips on circuits boards or delicate work.</p> <p>3. Make sure iron returned to the holder between uses to avoid accidents burns.</p> <p>4. Keep cleaning sponge wet and clean tip regularly to reduce the buildup of flux and residues.</p> <p>5. Keep it well tinned with solder.</p> <p>6. If tip will not clean and /or tin replace with the new one. The tip shoul shine when cleaned.</p>	4
Q. 22	<p>Explain the types of cables and there constructions.</p> <p>Ans. THERE ARE SOME TYPE OF CABLES-</p> <p>Shielded - (A) Twisted Pair (B) Multicore</p> <p>These cables are individually shielded, twisted pairs, used where the effects of crosstalk between cables must be minimized. Overall- data cables such as printer and control.</p> <p>Co-Axial - Co-ail cable is constructed of an outer insulated sheath with a shield of braided copper and in other cases is supplemented with a foil shield, over an insulator and a single core conductor that is concentric to the whole cable. Used where high bandwidth is required E.G Video , Digital signals</p> <p>Composite Multi core - A combination of shielded twisted pair and co-axial cables used particularly for large video cameras. A combination of shielded twisted pair and unshielded cables used for valve microphones.</p>	4

	<p>Power Leads - Color coding Australia follows the UK and European code of Brown- Active Blue - Neutral Green/Yellow- Earth</p>																															
Q. 23	<p>What is the importance of an “Input List” in live sound? Ans. An Input list is a chart of all instruments and microphones which are connected to the audio mixing console .Input list contents information about each channel of audio mixing console which is connected to different instruments by using different microphones. An input list also contain the information about phantom power on/off microphones stands and insert.</p> <p>Band Name - Date- Contact Details-</p> <p>Following things have to be covered in Input list :-</p> <table border="1"> <thead> <tr> <th>Channel</th> <th>Input</th> <th>Mic</th> <th>+48</th> <th>Stands</th> <th>Insert</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Kick In</td> <td>SM91</td> <td>yes</td> <td>small</td> <td>Gate/comp</td> </tr> <tr> <td>2.</td> <td>Kick out</td> <td>P52</td> <td>No</td> <td>small</td> <td>"</td> </tr> <tr> <td>3.</td> <td>---</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4.</td> <td>---</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table> <p>This input list goes on according to requirements of instruments</p>	Channel	Input	Mic	+48	Stands	Insert	1.	Kick In	SM91	yes	small	Gate/comp	2.	Kick out	P52	No	small	"	3.	---	--	--	--	--	4.	---	--	--	--	--	4
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Q. 24	<p>Write the process to make a demo song using VSTI in Neundo / Cubase. Ans. First We will open Neundo. Then we will go to the file and select new. We will give the name of the project by making a folder and save it in the desired location. Fixing BPM Time signature and Pitch- We will fix the BPM according to our requirement. Then we will fix the time signature and Pitch. Making Rhythm - For making rhythm we will open a MIDI track then select a drum kit according to our song requirement. Then we will record kick, tom, snare, Hi hat and other percussion instruments in a multi/separate tracks. Making Melody and Chords- Then we have to open instruments track and select a melodic instruments then play and record the melody line. Then we will record chords /bass line suitable to the melody. This is a basic structure of a demo song</p>	4																														