

OJEE B CAT (Film Editing) Sample Paper 02

A) Mode and Time: The exam is a Computer Based Test (CBT) lasting 60 minutes.

B) Total Questions: The exam contains 60 questions.

C) Marking Scheme & Rules:

- +4 marks for each correct answer; -1 mark for each incorrect answer.

Q1. Choose the word closest in meaning to 'EUPHONY'.

- A. Discord
- B. Cacophony
- C. Melody
- D. Silence

Q2. Fill in the blank: The director was criticized for his behavior, constantly changing his mind on set and confusing the entire crew.

- A. Capricious
- B. Resolute
- C. Phlegmatic
- D. Inexorable

Q3. Identify the grammatical error in the sentence: "Not only the actors but also the director are expected to attend the press conference."

- A. Not only the actors
- B. but also the director
- C. are expected
- D. to attend the press conference

Q4. Which of the following is the exact antonym of the word 'PROSAIC'?

- A. Mundane
- B. Imaginative
- C. Pedestrian

D. Lackluster

Q5. Select the pair that best expresses a relationship similar to the one expressed in the original pair: FOLEY : AUDIO

A. Color Grading : Visuals

B. Script : Costumes

C. Camera : Actor

D. Editing : Catering

Q6. What is the meaning of the idiom "Steal someone's thunder"?

A. To ruin a film's audio mix

B. To take credit for someone else's idea or steal their spotlight

C. To secretly record a conversation

D. To intentionally sabotage a production

Q7. Select the correct one-word substitution for: "A natural tendency or inclination to choose or do something."

A. Proclivity

B. Aversion

C. Dilemma

D. Antipathy

Q8. Fill in the blank with the appropriate preposition: The film crew was completely deprived

their well-deserved break due to the delays.

A. from

B. with

C. of

D. for

Q9. Choose the correctly spelled word:

A. Idiosyncracy

B. Idiosyncrasy

C. Ideosyncrasy

D. Idiosyncresy

Q10. Rearrange the following parts to form a meaningful paragraph: P: Thus, the final mix creates a cohesive experience. Q: Audio post-production is a complex process. R: To achieve a balanced and immersive soundscape. S: It involves blending dialogue, music, and sound effects.

A. Q S R P

B. P Q R S

C. S R Q P

D. Q R S P

Q11. Change the voice from Active to Passive: "The editor will have finished the final cut by tomorrow."

A. The final cut will be finished by the editor by tomorrow.

B. The final cut will have been finished by the editor by tomorrow.

C. The final cut has been finished by the editor by tomorrow.

D. The final cut is finished by the editor by tomorrow.

Q12. What does it mean to play "Devil's advocate"?

A. To deliberately argue against an idea to test its validity

B. To sabotage a project secretly

C. To support a flawed script blindly

D. To finance an independent horror film

Q13. Choose the correct vocabulary word for: "The quality of being brief and clear in expression."

A. Garrulity

B. Conciseness

C. Loquaciousness

D. Verbosity

Q14. Spot the error in the sentence: "She has been working on this script since three years."

A. She has been

B. working on

- C. this script
- D. since three years

Q15. Choose the synonym for the word 'UBIQUITOUS'.

- A. Rare
- B. Omnipresent
- C. Scarce
- D. Obsolete

Q16. In acoustics, what is the primary purpose of adding a "baffle" to a loudspeaker enclosure?

- A. To amplify the treble frequencies
- B. To prevent the front and rear sound waves from cancelling each other out
- C. To convert digital audio into analog audio
- D. To eliminate all bass frequencies

Q17. In optics, "Spherical Aberration" occurs when:

- A. Light rays passing through the edge of a lens focus at a different point than those passing near the center
- B. A lens captures only black and white light
- C. The camera sensor overheats
- D. The film stock is exposed to ultraviolet light

Q18. The standard measurement unit "Lux" is used to quantify:

- A. Sound intensity
- B. Illuminance (Light hitting a surface)
- C. Electrical resistance
- D. Sensor resolution

Q19. Which of the following colors of visible light has the longest physical wavelength?

- A. Violet
- B. Blue
- C. Green

D. Red

Q20. In digital audio terminology, what does "Clipping" refer to?

- A. Reducing the file size of an audio track
- B. Cutting an audio clip in an editing timeline
- C. Overdriving an audio signal beyond the maximum digital limit, causing distortion
- D. Filtering out low-frequency noise

Q21. Which optical element is used to bend light rays outwards, causing them to diverge rather than converge?

- A. Convex lens
- B. Concave lens
- C. Prism
- D. Plane mirror

Q22. If you decrease the distance between a microphone and a sound source to one-third ($1/3$) of the original distance, the sound intensity increases by a factor of:

- A. 3
- B. 6
- C. 9
- D. 27

Q23. The dynamic range of a digital audio file is directly dictated by its:

- A. Sample Rate
- B. Bit Depth
- C. File Format
- D. Playback Speed

Q24. What happens to the speed of sound when the ambient temperature of the air increases?

- A. It decreases
- B. It increases
- C. It remains exactly the same

D. It fluctuates randomly

Q25. Which component within a modern digital cinema camera is responsible for converting incoming photons of light into electrical signals?

- A. The shutter mechanism
- B. The aperture ring
- C. The CMOS image sensor
- D. The ND filter

Q26. A "Cardioid" polar pattern in a microphone is named because its pickup area resembles the shape of a:

- A. Circle
- B. Figure-eight
- C. Heart
- D. Square

Q27. The phenomenon of "Constructive Interference" in sound waves results in:

- A. An increase in overall amplitude (louder sound)
- B. Complete silence
- C. A change in pitch
- D. A digital artifact

Q28. In basic electronics used on set, Ohm's Law defines the relationship between:

- A. Light, distance, and shadow
- B. Voltage, Current, and Resistance
- C. Frequency, Wavelength, and Pitch
- D. Bits, Bytes, and Bandwidth

Q29. The "Focal Length" of a lens is physically defined as the distance between the optical center of the lens and the:

- A. Subject being filmed
- B. Camera's viewfinder
- C. Image sensor or film plane (when focused at infinity)

D. Front element of the lens

Q30. Which range of frequencies is the human auditory system naturally most sensitive to, largely because it encompasses human speech?

A. 20 Hz - 100 Hz

B. 2,000 Hz - 5,000 Hz

C. 10,000 Hz - 15,000 Hz

D. 18,000 Hz - 20,000 Hz

Q31. Which iconic Indian director helmed the 1975 blockbuster action-adventure film "Sholay"?

A. Yash Chopra

B. Ramesh Sippy

C. Guru Dutt

D. Bimal Roy

Q32. Released in 1957, which was the first Indian film to ever be nominated for the Academy Award for Best Foreign Language Film?

A. Mughal-e-Azam

B. Pyaasa

C. Mother India

D. Do Bigha Zamin

Q33. The legendary film "Seven Samurai" (1954), which heavily influenced global cinema and action editing, was directed by:

A. Yasujiro Ozu

B. Akira Kurosawa

C. Hayao Miyazaki

D. Bong Joon-ho

Q34. In film production, what is a "Dutch Angle"?

A. A lighting technique used for romantic scenes

B. A camera shot where the camera is tilted on its roll axis

C. A specific type of wide-angle lens from the Netherlands

D. A sound recording method for distant voices

Q35. The prestigious BAFTA Film Awards are presented annually by a cinematic academy based in which country?

- A. United States
- B. France
- C. United Kingdom
- D. Australia

Q36. Who is credited with inventing the phonograph in 1877, the first device capable of recording and reproducing sound?

- A. Alexander Graham Bell
- B. Nikola Tesla
- C. Guglielmo Marconi
- D. Thomas Edison

Q37. Which 2023 psychological historical drama won the Academy Award for Best Sound for its chilling, off-screen auditory depiction of the Auschwitz concentration camp?

- A. Oppenheimer
- B. The Zone of Interest
- C. Dune: Part Two
- D. Killers of the Flower Moon

Q38. Which visionary French director is considered one of the leading pioneers of the "French New Wave" cinema movement, known for films like "Breathless" (1960)?

- A. Jean-Luc Godard
- B. Luc Besson
- C. Denis Villeneuve
- D. Georges Méliès

Q39. In the context of film exhibition, what does the term "Letterboxing" refer to?

- A. Writing subtitles for foreign films
- B. Transferring widescreen video to standard-width formats by adding black bars at the top and bottom

- C. Storing film reels in specialized metal boxes
- D. Creating the opening title sequence

Q40. The "Wilhelm Scream" is a famous piece of cinematic history. What is it exactly?

- A. An infamous directorial tantrum
- B. A legendary stock sound effect used in hundreds of movies
- C. A technique for boosting microphone gain
- D. A lighting setup for horror films

Q41. Where is the headquarters of the Central Board of Film Certification (CBFC) of India located?

- A. New Delhi
- B. Kolkata
- C. Chennai
- D. Mumbai

Q42. Ustad Bismillah Khan, a recipient of the Bharat Ratna, was an unparalleled maestro of which Indian classical instrument?

- A. Sitar
- B. Tabla
- C. Shehnai
- D. Sarod

Q43. The acclaimed Sundance Film Festival, a major platform for independent filmmakers, was founded by which famous actor?

- A. Marlon Brando
- B. Robert Redford
- C. Paul Newman
- D. Clint Eastwood

Q44. Often cited by critics as one of the greatest films ever made, who directed the 1941 masterpiece "Citizen Kane"?

- A. Alfred Hitchcock
- B. Orson Welles

C. Charlie Chaplin

D. John Ford

Q45. In sound editing, "Room Tone" refers to:

A. The musical score playing in a specific room

B. The subtle, natural ambient sound of an empty space

C. The echo created by a digital reverb plugin

D. The voice of a narrator

Q46. Find the missing number in the series: 1, 4, 27, 256, ?

A. 1024

B. 3125

C. 4096

D. 5120

Q47. If the word "LIGHT" is coded as "MJHIU", how will the word "SOUND" be coded?

A. TPVOE

B. RNTMC

C. TQVPE

D. TPWOF

Q48. A man points to a photograph and says, "The lady in the picture is my nephew's maternal grandmother." How is the lady related to the man's sister (assuming the man has only one sister)?

A. Aunt

B. Mother

C. Mother-in-law

D. Sister

Q49. In a logical number puzzle, if $3 * 4 = 21$ and $5 * 2 = 35$, what is the value of $7 * 3$?

A. 70

B. 42

C. 63

D. 50

Q50. What is the smaller angle between the hour hand and the minute hand of a clock at exactly 10:10?

A. 105°

B. 115°

C. 120°

D. 125°

Q51. Choose the odd one out from the following list of major global awards:

A. Cannes

B. Venice

C. Sundance

D. Grammy

Q52. Read the statements and choose the correct conclusion. Statements: 1. All films are art. 2. Some art is commercial. Conclusions: I. Some films are commercial. II. All commercial things are art.

A. Only conclusion I follows

B. Only conclusion II follows

C. Both I and II follow

D. Neither I nor II follows

Q53. Direction Test: A boom operator walks 10 meters North, turns right and walks 10 meters, then turns right again and walks 10 meters. How far and in which direction is he from his starting point?

A. 10 meters, East

B. 10 meters, West

C. 20 meters, South

D. 10 meters, North

Q54. If the 4th of March is a Monday, what day of the week will the 4th of April be in the same year?

- A. Wednesday
- B. Thursday
- C. Friday
- D. Saturday

Q55. Find the missing letter in the alphabetical sequence: C, E, G, I, ?

- A. J
- B. K
- C. L
- D. M

Q56. Statement & Assumption: Statement: "Use a clip-on lavalier microphone for the documentary interview to clearly isolate the subject's voice." Assumption I: Lavalier microphones are effective at isolating a specific person's voice. Assumption II: Boom microphones are broken and cannot be used.

- A. Only Assumption I is implicit
- B. Only Assumption II is implicit
- C. Both I and II are implicit
- D. Neither I nor II is implicit

Q57. If the numerical values of letters are their standard alphabetical positions (A=1, B=2...), what is the total numerical value of the word "FILM"?

- A. 38
- B. 39
- C. 40
- D. 41

Q58. Logical Sequence: Arrange the following screenwriting phases in their standard chronological order. 1. Screenplay (Full Draft) 2. Story Concept/Idea 3. Final Polish 4. Treatment (Detailed Summary) 5. Storyboard

- A. 2, 4, 1, 5, 3
- B. 1, 2, 4, 3, 5
- C. 2, 1, 4, 5, 3
- D. 4, 2, 1, 3, 5

Q59. Which of the following Venn diagrams indicates the best logical relationship between "Actors", "Directors", and "Screenwriters"?

- A. Three completely separate circles
- B. Three intersecting circles overlapping in the center
- C. One circle inside another, and the third disjoint
- D. Two concentric circles inside a larger one

Q60. Find the missing term in the conceptual analogy: APERTURE : LIGHT :: GAIN : ?

- A. Focus
- B. Audio Signal / Volume
- C. Lens Flare
- D. Resolution

Solutions

1. C

Explanation: 'Euphony' refers to the quality of being pleasing to the ear, especially through a harmonious combination of words or sounds. 'Melody' is the closest synonym.

2. A

Explanation: 'Capricious' means given to sudden and unaccountable changes of mood or behavior. This perfectly fits the description of a director constantly changing his mind.

3. C

Explanation: In sentences using "not only... but also", the verb must agree with the subject closest to it. "The director" is singular, so "are expected" should be "is expected".

4. B

Explanation: 'Prosaic' means lacking poetic beauty, being commonplace, or unromantic. Its antonym is 'Imaginative' or poetic.

5. A

Explanation: Foley is the art of enhancing the Audio element of a film. Similarly, Color Grading is the art of enhancing the Visual element of a film.

6. B

Explanation: To "steal someone's thunder" means to take attention or praise away from someone else by doing or saying what they had planned to do or say first.

7. A

Explanation: A 'proclivity' is a tendency to choose or do something regularly; an inclination or predisposition toward a particular thing.

8. C

Explanation: The verb 'deprived' is idiomatically followed by the preposition 'of'.

9. B

Explanation: The correct spelling is "Idiosyncrasy", meaning a mode of behavior or way of thought peculiar to an individual. It ends in '-asy', not '-acy'.

10. A

Explanation: The logical flow starts with the premise (Q: Audio post is complex), specifies the action (S: blending dialogue, music), gives the purpose (R: to achieve a balanced soundscape), and ends with the conclusion (P: Thus, the final mix).

11. B

Explanation: The active sentence uses the future perfect tense ("will have finished"). The passive equivalent must be "will have been finished".

12. A

Explanation: To play "Devil's advocate" is to argue against a popular or established idea simply to test the strength of the argument, not necessarily because you oppose it.

13. B

Explanation: 'Conciseness' is the quality of expressing much in few words; being clear and brief. 'Garrulity' and 'Verbosity' are opposites, meaning overly talkative.

14. D

Explanation: When referring to a duration or length of time, the preposition "for" is used (for three years). "Since" is used for a specific starting point in time (since 2020).

15. B

Explanation: 'Ubiquitous' means present, appearing, or found everywhere. 'Omnipresent' is its exact synonym.

16. B

Explanation: A speaker baffle is a mounting board or enclosure structure designed to prevent the sound waves generated from the rear of the speaker cone from looping around and cancelling out the front waves.

17. A

Explanation: Spherical aberration is an optical flaw where light rays striking the outer edges of a spherical lens focus closer to the lens than rays striking near the optical axis, causing softness.

18. B

Explanation: Lux is the SI unit of illuminance, measuring the amount of luminous flux (light) spread over a given area (one lumen per square meter).

19. D

Explanation: In the visible light spectrum, violet has the shortest wavelength and highest energy, while red has the longest physical wavelength and lowest energy.

20. C

Explanation: Clipping occurs when an audio signal exceeds the maximum capacity of a digital system (0 dBFS), "clipping" off the tops of the waveforms and resulting in harsh harmonic distortion.

21. B

Explanation: A concave lens curves inward, causing parallel light rays that pass through it to diverge (spread out). It is used to correct nearsightedness.

22. C

Explanation: According to the acoustic Inverse Square Law, intensity changes inversely with the square of the distance. Moving to $1/3$ the distance increases intensity by a factor of 3^2 , which is 9.

23. B

Explanation: Bit depth determines the number of possible amplitude values a digital audio file can record. A higher bit depth directly translates to a wider dynamic range and a lower noise floor.

24. B

Explanation: The speed of sound depends on the medium's density and elasticity. As air temperature increases, air molecules move faster, transferring the acoustic wave energy more rapidly.

25. C

Explanation: The CMOS (Complementary Metal-Oxide-Semiconductor) image sensor acts as the digital "film," utilizing photodiodes to convert incoming light (photons) into electronic signals.

26. C

Explanation: A Cardioid polar pattern is highly sensitive to sound from the front and rejects sound from the rear. Its pickup map geometrically resembles a heart shape.

27. A

Explanation: Constructive interference occurs when two sound waves meet in phase (peaks align with peaks), combining to create a new wave with a larger overall amplitude (louder volume).

28. B

Explanation: Ohm's Law is a fundamental rule in electricity stating that Current (I) is equal to the Voltage (V) divided by the Resistance (R).

29. C

Explanation: Focal length is the optical distance (usually measured in millimeters) from the point where light rays converge inside the lens to the focal plane (the sensor or film) when focused at infinity.

30. B

Explanation: The human ear's anatomy makes it naturally most sensitive to the 2 kHz to 5 kHz frequency range, which perfectly aligns with the frequencies crucial for understanding human speech consonants.

31. B

Explanation: "Sholay" (1975), considered one of the greatest and most influential Indian films of all time, was directed by Ramesh Sippy.

32. C

Explanation: Mehboob Khan's "Mother India" (1957) was the first Indian film submitted for and nominated for the Academy Award for Best Foreign Language Film.

33. B

Explanation: "Seven Samurai" was directed by the legendary Akira Kurosawa. It established narrative and editing tropes still used in modern action and ensemble cinema.

34. B

Explanation: A Dutch Angle (or Dutch Tilt) involves tilting the camera on its roll axis so the horizon is not level, often used to induce feelings of unease, psychological tension, or disorientation.

35. C

Explanation: BAFTA stands for the British Academy of Film and Television Arts, which hosts annual awards recognizing the best in British and international cinema.

36. D

Explanation: Thomas Edison invented the phonograph in 1877, successfully record-

ing and playing back a human voice (reciting "Mary Had a Little Lamb") on a tinfoil cylinder.

37. B

Explanation: "The Zone of Interest" won the 2024 Oscar for Best Sound. Its masterful sound design created a terrifying juxtaposition between a mundane family life and the horrific, unseen ambient sounds of Auschwitz.

38. A

Explanation: Jean-Luc Godard was a central figure in the French New Wave (La Nouvelle Vague), radically challenging traditional Hollywood conventions through jump cuts and unpolished realism.

39. B

Explanation: Letterboxing is the practice of preserving a film's original widescreen aspect ratio on narrower displays (like a 4:3 TV) by adding matte black bars above and below the image.

40. B

Explanation: The Wilhelm Scream is an iconic, distinct stock sound effect of a man screaming, originally recorded in 1951, that sound designers have sneaked into hundreds of major films as an inside joke.

41. D

Explanation: The Central Board of Film Certification (CBFC), a statutory body under the Ministry of Information and Broadcasting, is headquartered in Mumbai.

42. C

Explanation: Ustad Bismillah Khan was a legendary musician credited with elevating the Shehnai from a folk instrument to the concert stages of Indian classical music.

43. B

Explanation: Actor and director Robert Redford founded the Sundance Institute in Utah, which runs the Sundance Film Festival, championing independent filmmakers worldwide.

44. B

Explanation: Orson Welles directed, co-wrote, and starred in "Citizen Kane" (1941), a film revolutionary for its deep focus cinematography, non-linear storytelling, and innovative sound design.

45. B

Explanation: Room tone is the unique, subtle ambient noise of an environment (like the hum of AC or distant traffic). It is recorded on set to seamlessly blend dialogue edits during post-production.

46. B

Explanation: The logic follows the pattern n^n :

$$1^1 = 1$$

$$2^2 = 4$$

$$3^3 = 27$$

$$4^4 = 256$$

The next term is $5^5 = 3125$.

47. A

Explanation: Each letter in the code is shifted exactly one position forward in the alphabet (+1). $S+1=T$, $O+1=P$, $U+1=V$, $N+1=O$, $D+1=E$. Result: TPVOE.

48. B

Explanation: The man's nephew's maternal grandmother is the mother of the nephew's mother. Since the man has only one sister, that sister is the nephew's mother. Therefore, the lady in the photograph is the sister's mother.

49. A

Explanation: The logical operator * means adding the two numbers together, and then multiplying the sum by the first number. $(A + B) \times A$.

$$(3 + 4) \times 3 = 21.$$

$$(5 + 2) \times 5 = 35.$$

$$(7 + 3) \times 7 = 70.$$

50. B

Explanation: At 10:10, the minute hand is at 2 (60°). The hour hand is past 10 (300°) by a fraction of an hour: $(10/60) \times 30^\circ = 5^\circ$. Position of hour hand = 305° . The difference is $305^\circ - 60^\circ = 245^\circ$. The smaller angle is $360^\circ - 245^\circ = 115^\circ$.

51. D

Explanation: Cannes, Venice, and Sundance are all major international Film Festivals. The Grammy Awards celebrate achievements in the Music industry.

52. D

Explanation: Statement 1 says all films are art. Statement 2 says *some* art is commercial. It is logically possible that the subset of "commercial art" does not overlap with the subset of "films". Therefore, neither conclusion is definite.

53. A

Explanation: The operator walks 10m North, turns right (facing East) and walks 10m, then turns right again (facing South) and walks 10m. He has formed an open square, landing exactly 10 meters East of his origin.

54. B

Explanation: March has 31 days. The gap between March 4 and April 4 is exactly 31 days. $31 \div 7 = 4$ full weeks with a remainder of 3 days. Adding 3 days to Monday gives Thursday.

55. B

Explanation: The sequence skips one letter in the alphabet each time (+2 positions). C(3), E(5), G(7), I(9). The next letter is the 11th, which is K.

56. A

Explanation: The instruction rests on the premise that lavalier mics are capable of isolating a voice (Assumption I). There is no information to suggest other microphones are broken (Assumption II). Only Assumption I is implicit.

57. C

Explanation: Summing the alphabetical values: F (6) + I (9) + L (12) + M (13) = 40.

58. A

Explanation: The standard script development workflow: First, a Story Concept

(2), expanded into a detailed Treatment (4). Then a Full Screenplay Draft is written (1), which is then visually planned in a Storyboard (5). Finally, the script undergoes a Final Polish (3) before shooting.

59. B

Explanation: A person can act, direct, and write simultaneously. Some do all three, some do two, some do one. Therefore, three intersecting circles overlapping in the center represents all these possibilities.

60. B

Explanation: In camera hardware, an Aperture controls the physical intake of Light. Analogously, in audio hardware, Gain controls the intake/amplification of the Audio Signal or Volume.

