

OJEE B CAT (Film Editing) Sample Paper 01

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 'PERSPICACIOUS'.

- A. Ignorant
- B. Discerning
- C. Superficial
- D. Ambiguous

Q2. Fill in the blank: The director's approach to filmmaking often confused mainstream audiences but garnered high praise from avant-garde critics.

- A. Idiosyncratic
- B. Conventional
- C. Pedestrian
- D. Derivative

Q3. Identify the grammatical error in the sentence: "Neither the producers nor the director have finalized the shooting schedule for the climax."

- A. Neither the producers
- B. nor the director
- C. have finalized
- D. the shooting schedule

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

- A. Sorrowful
- B. Joyful
- C. Lethargic

D. Pensive

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

A. Novel : Protagonist

B. Film : Director

C. Canvas : Painter

D. Poem : Stanza

Q6. What is the meaning of the idiom "Burn the midnight oil"?

A. To deliberately waste expensive resources

B. To work late into the night

C. To sabotage someone's project

D. To light a film set using only practical lamps

Q7. Select the correct one-word substitution for: "A scene in a movie set in a time earlier than the main story."

A. Foreshadowing

B. Montage

C. Flashback

D. Prologue

Q8. Fill in the blank with the appropriate preposition: He has a profound penchant

experimenting with non-linear storytelling.

A. in

B. with

C. for

D. on

Q9. Choose the correctly spelled word:

A. Flourescent

B. Fluorescent

C. Fluorecent

D. Flourescent

Q10. Rearrange the following parts to form a meaningful paragraph: P: A solid foundation is necessary. Q: Therefore, writers spend months drafting. R: Before any filming begins. S: The script serves as the blueprint for the entire production.

A. S P R Q

B. P S Q R

C. S R P Q

D. R S Q P

Q11. Change the voice from Active to Passive: "The Foley artist is creating the sound effects."

A. The sound effects was being created by the Foley artist.

B. The sound effects are created by the Foley artist.

C. The sound effects are being created by the Foley artist.

D. The sound effects have been created by the Foley artist.

Q12. In a theatrical or cinematic context, what does it mean to "break the fourth wall"?

A. To demolish a physical set piece on stage

B. To directly address the audience, breaking the illusion of fiction

C. To change the camera lens mid-shot

D. To shoot a scene outdoors instead of in a studio

Q13. Choose the correct vocabulary word for: "An enthusiast or expert in cinema, particularly one who appreciates independent or foreign films."

A. Cineaste

B. Philistine

C. Sycophant

D. Luddite

Q14. Spot the error in the sentence: "He asked me that why I was late to the set."

A. He asked me

B. that why

C. I was late

D. to the set

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

A. Mainstream

B. Obscure

C. Lucid

D. Universal

Q16. In optical engineering, the "Circle of Confusion" is a mathematical concept used primarily to calculate and define:

A. Lens distortion limits

B. The maximum frame rate

C. Depth of Field

D. Chromatic aberration

Q17. In room acoustics, "RT60" represents the time it takes for a sound to decay by how many decibels after the sound source stops?

A. 10 dB

B. 30 dB

C. 60 dB

D. 100 dB

Q18. Polarizing filters on a camera lens are specifically designed to:

A. Make the image completely black and white

B. Block light waves oscillating in specific orientations

C. Increase the overall exposure of the shot

D. Convert digital noise into film grain

Q19. In digital audio and video transmission, what does the acronym "HDMI" stand for?

A. High-Definition Multimedia Interface

B. Hyper-Data Modulation Input

C. High-Density Media Interconnect

D. Hardware-Driven Movie Input

Q20. An uncompressed .WAV audio file mathematically stores acoustic waves using which digital encoding method?

- A. MP3 Compression
- B. Pulse-Code Modulation (PCM)
- C. Frequency Modulation (FM)
- D. Phase-Shift Keying

Q21. In cinematography, standard daylight color temperature is generally balanced at approximately:

- A. 3200 Kelvin
- B. 4500 Kelvin
- C. 5600 Kelvin
- D. 10000 Kelvin

Q22. What specific optical property defines a "Telecentric lens," often used in specialized visual effects or machine vision?

- A. It physically extends when zoomed
- B. Its magnification remains perfectly constant regardless of subject distance
- C. It inherently suffers from severe fisheye distortion
- D. It only allows ultraviolet light to pass through

Q23. What is the approximate speed of sound in dry air at 20°C (68°F)?

- A. 150 m/s
- B. 343 m/s
- C. 1500 m/s
- D. 300,000 km/s

Q24. In a digital camera sensor, increasing the "ISO" setting technically does what?

- A. Increases the physical size of the aperture
- B. Applies electronic gain (amplification) to the sensor's signal
- C. Decreases the shutter speed

D. Reduces the focal length of the lens

Q25. The "Fovea Centralis" in the human retina is packed tightly with cone cells and is responsible for:

- A. Peripheral vision
- B. Night vision in complete darkness
- C. Sharp central vision and high-acuity color perception
- D. Detecting ultraviolet wavelengths

Q26. According to the Inverse Square Law of light, moving a light source three times further away from the subject will reduce its illuminance to what fraction of the original?

- A. $1/3$
- B. $1/6$
- C. $1/9$
- D. $1/12$

Q27. In audio signal processing, what is the function of a "Low-Pass Filter"?

- A. It mutes the entire track
- B. It allows low frequencies to pass through while severely attenuating high frequencies
- C. It boosts the treble and cuts the bass
- D. It converts stereo audio into a low-quality mono file

Q28. The aesthetic quality of the out-of-focus blur in a photograph, known as "Bokeh," is primarily determined by the:

- A. ISO sensitivity of the film
- B. Shape and number of the lens's aperture blades
- C. Megapixel count of the sensor
- D. Color of the background

Q29. Acoustic "Feedback" (a loud, high-pitched screech) in live sound is caused by:

- A. A blown speaker cone
- B. A microphone repeatedly picking up its own amplified signal from a loudspeaker
- C. Using analog cables instead of digital ones

D. Too much bass applied to a drum kit

Q30. The Planck-Einstein relation ($E = hf$) dictates that the energy of a photon of light is directly proportional to its:

- A. Amplitude
- B. Wavelength
- C. Velocity
- D. Frequency

Q31. Released in 1937, which of the following is widely recognized as the first indigenously made color film in India?

- A. Alam Ara
- B. Kisan Kanya
- C. Sholay
- D. Mughal-e-Azam

Q32. Which acclaimed composer is renowned for creating the heavy, pipe-organ driven musical score for Christopher Nolan's film "Interstellar"?

- A. John Williams
- B. Hans Zimmer
- C. Ennio Morricone
- D. A.R. Rahman

Q33. The prestigious "Golden Lion" (Leone d'Oro) is the highest prize given to a film at which international film festival?

- A. Cannes
- B. Sundance
- C. Venice
- D. Berlin

Q34. The documentary filmmaking style known as "Cinéma Vérité" is best characterized by:

- A. Heavy use of computer graphics
- B. Highly scripted, dramatic recreations by paid actors

- C. An observational, fly-on-the-wall approach with a handheld camera
- D. Using purely animated sequences

Q35. Which Hollywood director is colloquially known as the "Master of Suspense"?

- A. Steven Spielberg
- B. Stanley Kubrick
- C. Alfred Hitchcock
- D. James Cameron

Q36. What was the title of India's first 3D feature film, released in 1984?

- A. Chota Chetan (My Dear Kuttichathan)
- B. Koi... Mil Gaya
- C. Ra.One
- D. Shiva

Q37. The early motion picture exhibition device known as the "Kinetoscope," designed for films to be viewed by one individual at a time through a peephole viewer, was invented by:

- A. The Lumière Brothers
- B. Thomas Edison and W.K.L. Dickson
- C. Georges Méliès
- D. Eadweard Muybridge

Q38. On a film set, what is the primary role of the "Gaffer"?

- A. To operate the main camera
- B. To record the dialogue on set
- C. To serve as the head electrician and chief lighting technician
- D. To manage the actors' schedules

Q39. In audio post-production, what does "ADR" stand for?

- A. Automated Dialogue Replacement
- B. Analog Digital Recording
- C. Audio Dynamics Reduction

D. Acoustic Delay Reverb

Q40. The "Bechdel Test" is a widely recognized metric used in media studies to evaluate:

- A. The dynamic range of a film's sound mix
- B. The ratio of practical effects to CGI
- C. The representation of women in a film
- D. The historical accuracy of a biographical film

Q41. The Dadasaheb Phalke Award, India's highest award in the field of cinema, was first presented in 1969 to which iconic actress?

- A. Nargis
- B. Devika Rani
- C. Meena Kumari
- D. Madhubala

Q42. What is the standard widescreen aspect ratio commonly used in modern theatrical "Scope" or anamorphic cinematic releases?

- A. 1.33:1 (4:3)
- B. 1.85:1
- C. 2.39:1 (or 2.35:1)
- D. 1:1

Q43. The classic "Roar of the Lion" production logo belongs to which legendary Hollywood studio?

- A. Universal Pictures
- B. Paramount Pictures
- C. Warner Bros.
- D. Metro-Goldwyn-Mayer (MGM)

Q44. Which Indian parallel cinema movement director gave us the critically acclaimed social drama "Manthan" (1976), a film entirely crowdfunded by 500,000 farmers?

- A. Satyajit Ray
- B. Shyam Benegal
- C. Mrinal Sen

D. Ritwik Ghatak

Q45. In a traditional film production hierarchy, the "Key Grip" works most closely with the:

- A. Make-up artist
- B. Gaffer and Cinematographer
- C. Sound Mixer
- D. Lead Actor

Q46. Find the missing number in the series: 2, 9, 28, 65, ?

- A. 125
- B. 126
- C. 127
- D. 128

Q47. If the word "MOVIE" is coded as "NQYLJ", how will the word "AUDIO" be coded?

- A. BWFMX
- B. CVGNX
- C. BVFMX
- D. CWFMY

Q48. Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?

- A. Aunt
- B. Sister
- C. Mother
- D. Grandmother

Q49. If $8 \oplus 2 = 16106$ and $5 \oplus 4 = 20091$, what is the value of $7 \oplus 3$?

- A. 21104
- B. 21044
- C. 10214

D. 42104

Q50. What is the smaller angle between the hour hand and the minute hand of a clock at exactly 8:15?

A. 145°

B. 150°

C. 157.5°

D. 160.5°

Q51. Choose the odd one out from the following list related to digital files:

A. WAV

B. FLAC

C. JPEG

D. AIFF

Q52. Read the statements and choose the correct conclusion. Statements: 1. All cameras are devices. 2. No device is a toy. Conclusions: I. No camera is a toy. II. Some devices are cameras.

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 director walks 50 meters North, turns right and walks 40 meters, then turns right again and walks 50 meters. How far and in which direction is she from her starting point?

A. 40 meters, East

B. 50 meters, West

C. 40 meters, South

D. 90 meters, North-East

Q54. If the 1st of January in a leap year falls on a Friday, what day of the week will the 31st of December be in that same year?

A. Thursday

- B. Friday
- C. Saturday
- D. Sunday

Q55. Find the missing letter in the sequence: B, E, H, K, ?

- A. M
- B. N
- C. O
- D. P

Q56. Statement & Assumption: Statement: "Always attach a pop filter to the microphone to prevent harsh plosives while recording voiceovers." Assumption I: Plosive bursts of air can distort or ruin the audio recording. Assumption II: Pop filters acoustically diffuse sharp blasts of air.

- 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 based on their alphabetical order (A=1, B=2...), what is the sum total of the word "AUDIO"?

- A. 48
- B. 49
- C. 50
- D. 51

Q58. Logical Sequence: Arrange the following production tasks in their standard chronological order. 1. Script Storyboarding 2. On-set Shooting 3. Final Cut Rendering 4. Color Grading 5. Theatrical Premiere

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

Q59. Which of the following Venn diagrams indicates the best logical relationship between "Humans", "Men", and "Cinematographers"?

- A. One large circle enclosing two intersecting circles
- B. Three concentric circles
- C. Three disjoint circles
- D. One circle intersecting two disjoint circles

Q60. Find the missing term in the conceptual analogy: WATT : POWER :: BYTE : ?

- A. Memory
- B. Voltage
- C. Digital Information / Data
- D. Processing Speed

Solutions

1. B

Explanation: 'Perspicacious' means having a ready insight into and understanding of things. 'Discerning' is the closest synonym, indicating good judgment and acute perception.

2. A

Explanation: An 'idiosyncratic' approach is one that is highly individual, peculiar, or unique to a person. It perfectly contrasts with a conventional (mainstream) style.

3. C

Explanation: When subjects are joined by "neither... nor", the verb must agree with the subject closest to it. "The director" is singular, so the verb should be "has finalized", not "have finalized".

4. B

Explanation: 'Lugubrious' means looking or sounding sad and dismal. Its exact antonym is 'Joyful' or cheerful.

5. B

Explanation: A composer is the primary creator and orchestrator of a symphony. Analogously, a director is the primary creator and orchestrator of a film.

6. B

Explanation: The idiom "burn the midnight oil" means to read, study, or work late into the night.

7. C

Explanation: A flashback is an interjected scene that takes the narrative back in time from the current point the story has reached.

8. C

Explanation: The noun 'penchant' (a strong or habitual liking for something) is idiomatically followed by the preposition 'for'.

9. B

Explanation: The correct spelling is "Fluorescent", derived from the element fluorine. It means emitting light during exposure to radiation from an external source.

10. A

Explanation: The logical sequence establishes the subject first: S (The script is the blueprint). Then states the condition: P (A solid foundation is necessary). Next is the timing constraint: R (Before filming begins). Concluding with the resulting action: Q (Writers spend months drafting).

11. C

Explanation: The active sentence is in the present continuous tense ("is creating"). To convert to passive voice, the plural object ("the sound effects") takes the plural verb "are", followed by "being created".

12. B

Explanation: The "fourth wall" is the imaginary invisible wall at the front of the stage. Breaking it means acknowledging the audience directly, common in films like

Deadpool.

13. A

Explanation: A 'Cineaste' is a filmmaker or a passionate enthusiast of cinema, particularly art-house or independent films.

14. B

Explanation: In indirect speech, interrogative sentences (starting with 'why', 'what', 'how') do not use the conjunction 'that'. The correct phrasing is "He asked me why I was...".

15. B

Explanation: 'Esoteric' refers to knowledge intended for or likely to be understood by only a small number of people with a specialized knowledge or interest. 'Obscure' is the closest synonym.

16. C

Explanation: The Circle of Confusion describes an optical spot caused by a cone of light rays from a lens not coming to a perfect focus. It is the fundamental calculation used to determine a lens's Depth of Field.

17. C

Explanation: RT60 stands for Reverberation Time. It is the measurement of the time required for the sound pressure level in a closed space to decay by 60 dB.

18. B

Explanation: Polarizers filter out light waves oscillating in specific geometric planes, thereby eliminating unwanted reflections from non-metallic surfaces like glass or water, and darkening skies.

19. A

Explanation: HDMI stands for High-Definition Multimedia Interface, a proprietary audio/video interface for transmitting uncompressed video data and compressed/uncompressed digital audio data.

20. B

Explanation: Pulse-Code Modulation (PCM) is the standard method used to digitally represent sampled analog signals. It is the standard form of digital audio in computers and various formats like .WAV.

21. C

Explanation: Standard photographic daylight (representing mid-day sun mixed with sky ambient light) is universally standardized at 5600K on the Kelvin color temperature scale.

22. B

Explanation: Telecentric lenses are designed such that their entrance or exit pupil is at infinity. This means they produce orthographic views with zero perspective distortion; magnification remains perfectly constant regardless of the subject's distance.

23. B

Explanation: The speed of sound through dry air at a standard room temperature of 20°C is approximately 343 meters per second (1,125 ft/s).

24. B

Explanation: Unlike film, increasing ISO on a digital sensor does not change its physical sensitivity to light. It instead applies electronic gain (amplification) to the electrical signal generated by the captured photons.

25. C

Explanation: The fovea centralis is a small, central pit in the retina packed almost entirely with cone cells. It is responsible for sharp central vision (foveal vision), necessary for reading and fine detail.

26. C

Explanation: The Inverse Square Law states that intensity drops off as the square of the distance ($1/d^2$). If distance is multiplied by 3, the new intensity is $1/3^2$, or $1/9$ of the original.

27. B

Explanation: A low-pass filter allows signals with a frequency lower than a selected cutoff frequency to pass through, while heavily attenuating (reducing) signals with frequencies higher than the cutoff.

28. B

Explanation: Bokeh is the aesthetic quality of the blur produced in the out-of-focus parts of an image. The shape of the blurry highlights is directly dictated by the shape and number of blades in the lens's aperture mechanism.

29. B

Explanation: Acoustic feedback occurs when a sound loop exists between an audio input (microphone) and an audio output (loudspeaker). The mic picks up the speaker's sound, amplifies it, and broadcasts it again in an endless, shrieking loop.

30. D

Explanation: The equation $E = hf$ states that photon energy (E) is equal to the Planck constant (h) multiplied by the frequency (f) of the electromagnetic wave. Energy is directly proportional to frequency.

31. B

Explanation: "Kisan Kanya", released in 1937 and directed by Moti B. Gidwani, was India's first indigenously manufactured color feature film, utilizing the Cinecolor process.

32. B

Explanation: Hans Zimmer is the legendary film composer who created the grandiose, pipe-organ-centric score for "Interstellar", elevating the film's emotional and spatial vastness.

33. C

Explanation: The Golden Lion is the highest prize awarded to a film at the Venice Film Festival (Mostra Internazionale d'Arte Cinematografica della Biennale di Venezia).

34. C

Explanation: Cinéma Vérité (truthful cinema) is a style of documentary filmmaking that combines naturalistic, observational techniques with the use of lightweight, handheld cameras to capture raw reality.

35. C

Explanation: Alfred Hitchcock earned the title "Master of Suspense" for his pioneering psychological thrillers like Psycho, Vertigo, and Rear Window, which masterfully manipulated audience tension.

36. A

Explanation: Produced in Malayalam, "My Dear Kuttichathan" (1984) was India's first 3D film, a massive technical milestone that was later dubbed into multiple languages.

37. B

Explanation: The Kinetoscope, an early motion-picture exhibition device, was developed by William Kennedy Laurie Dickson under the employment and direction of Thomas Edison in the late 1880s.

38. C

Explanation: The Gaffer is the chief lighting technician on a set. They work directly with the Director of Photography (Cinematographer) to execute the lighting plan for a scene.

39. A

Explanation: Automated Dialogue Replacement (ADR) is the post-production process where actors re-record and synchronize audio lines in a studio to replace poor-quality on-set dialogue.

40. C

Explanation: The Bechdel Test asks whether a work of fiction features at least two named women who talk to each other about something other than a man, highlighting gender inequality in media.

41. B

Explanation: Devika Rani, widely acknowledged as the first lady of Indian cinema, was the inaugural recipient of the Dadasaheb Phalke Award in 1969.

42. C

Explanation: The aspect ratio 2.39:1 (often colloquially referred to as 2.35:1 or Cinemascope) is the standard modern anamorphic widescreen format used for theatrical epics and blockbusters.

43. D

Explanation: The roaring lion, famously named "Leo the Lion," has been the iconic mascot and production logo for Metro-Goldwyn-Mayer (MGM) since the studio's inception.

44. B

Explanation: Shyam Benegal directed "Manthan", a film based on the pioneering milk cooperative movement in India, uniquely crowdfunded by half a million farmers contributing 2 rupees each.

45. B

Explanation: The Key Grip is the head of the grip department. They work alongside the Gaffer (lighting) under the Cinematographer to handle non-electrical camera support (dollies, cranes) and light-shaping rigging (flags, diffusions).

46. B

Explanation: The pattern is $n^3 + 1$.

$$1^3 + 1 = 2$$

$$2^3 + 1 = 9$$

$$3^3 + 1 = 28$$

$$4^3 + 1 = 65$$

Therefore, the next number is $5^3 + 1 = 125 + 1 = 126$.

47. A

Explanation: The code adds increasing positional values: M(+1)=N, O(+2)=Q, V(+3)=Y, I(+4)=L, E(+5)=J. Applying to AUDIO: A(+1)=B, U(+2)=W, D(+3)=F, I(+4)=M, O(+5)=X. Result: BWFMX.

48. C

Explanation: The woman says, "my mother's only daughter," which can only refer to the woman herself. Therefore, she is stating, "His mother is [me]". The woman is the man's mother.

49. A

Explanation: The mathematical operator $\oplus$ denotes stringing together the product, sum, and difference of the two numbers.

$$8 \times 2 = 16, 8 + 2 = 10, 8 - 2 = 6 \rightarrow 16106.$$

$$\text{For } 7 \oplus 3: 7 \times 3 = 21, 7 + 3 = 10, 7 - 3 = 4 \rightarrow 21104.$$

50. C

Explanation: At 8:15, the minute hand is at 3 (90°). The hour hand is past 8 (240°) by $(15 \div 60) \times 30^\circ = 7.5^\circ$. Position of hour hand = 247.5° . The difference is $247.5^\circ - 90^\circ = 157.5^\circ$.

51. C

Explanation: WAV, FLAC, and AIFF are all standard digital audio file formats. JPEG is the odd one out because it is a compressed digital image format.

52. C

Explanation: If all cameras fall inside the category of devices, and absolutely no device is a toy, then no camera can be a toy (Conclusion I follows). Also, if cameras are devices, then naturally some devices are cameras (Conclusion II follows). Both are true.

53. A

Explanation: The path traces three sides of a rectangle. 50m North, 40m East (right), 50m South (right). The final position is exactly parallel to the starting point, 40 meters to the East.

54. Saturday

Explanation: A standard year has 365 days, meaning it ends on the same day it starts. However, a leap year has 366 days, shifting the last day forward by one. If Jan 1st is Friday, Dec 31st will be Saturday.

55. N

Explanation: The sequence skips two letters each time (adding 3 to its alphabetical position). B (+3)=E, E (+3)=H, H (+3)=K. Therefore, K (+3)=N.

56. C

Explanation: The instruction (statement) relies entirely on the facts that plosives

are bad for recording (Assumption I) and that a pop filter functions by physically mitigating those plosives (Assumption II). Both are strictly implicit.

57. A

Explanation: Adding the alphabetical positions of each letter: $A(1) + U(21) + D(4) + I(9) + O(15) = 50$.

58. A

Explanation: A film's chronological workflow: Storyboarding pre-visualizes the script (1). Then On-set shooting occurs (2). In post, Color Grading (4) follows editing before Final Cut Rendering (3) produces the master file. Finally, Theatrical Premiere (5).

59. A

Explanation: "Cinematographers" and "Men" are two intersecting circles (since some cinematographers are men, some are women, and some men are not cinematographers). Both of these circles must be completely enclosed within the larger "Humans" circle.

60. C

Explanation: A Watt is the fundamental unit of measurement for Power. Similarly, a Byte is the fundamental unit of measurement for digital Data / Information.