

Plastic Arts 26th March 2025 Shift3

Time Allowed :3 Hours	Maximum Marks :300	Total questions : 75
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General Instructions

General Instructions:

1. Question Paper contains 75 Questions .
2. Each correct answer will have +4 marks and wrong answer will lead to -1
3. Use of any electronic appliances is strictly prohibited.

1. What is the use of pyrometric cones in the Kiln?

- (A) Checking color
 - (B) Measuring temperature
 - (C) Checking the colour of ceramic body
 - (D) Checking the firing quality
-

2. Who is known as one of the most consistent practitioners of installation art form-

- (A) Dhan Raj Bhagat
 - (B) Vivan Sundaram
 - (C) Nagji Patel
 - (D) Ramesh Pateria
-

3. Identify the contemporary sculptor, who was known as a perfectionist in the 1970s, preferring assemblage and construction in industrial scrape to modelling and casting.

- (A) Raghav Kaneria
 - (B) Nagji Patel
 - (C) M. Dharmani
 - (D) Pushpa Mala
-

4. Ramkinkar Vaij worked mostly in a form that was a peculiar synthesis of-

- (A) Classical European and African elements.
 - (B) Native folk and cubist elements.
 - (C) Classical Indian and European elements.
 - (D) North Indian and South Indian elements.
-

5. Among the contemporary sculptors of India, who is considered as pioneer in using different craft media and techniques?

- (A) Sankho Chaudhuri
- (B) Dhan Raj Bhagat
- (C) P. V. Jankiram

(D) Ram Kinkar Vaij

6. Eminent Artist K.G. Subramanyan developed the style of his murals taking inspiration from-

- (A) Lost-wax process of casting.
 - (B) Terracotta reliefs and glass painting.
 - (C) Fibre sculptures.
 - (D) Repoussed copper and metal casted forms drawing on Indian iconography.
-

7. Which of the following materials is not used in flexible molds?

- (A) Latex
 - (B) Korogel
 - (C) Gelatin
 - (D) Gel Coat
-

8. Which of the following materials is not used as a releasing agent?

- (A) Liquid Detergent
 - (B) Oil
 - (C) Liquid Wax
 - (D) Alum
-

9. Which of the following materials is used for the Flexible molds?

- (A) Ice
 - (B) Korogel
 - (C) Coal
 - (D) Resin
-

10. What is clay?

- (A) Moist, stiff, tenacious earth

- (B) Hard, nonporous and fired
 - (C) Hard, porous and baked
 - (D) Baked, hard and non-porous
-

11. What is sand?

- (A) Fine Silica
 - (B) Flint
 - (C) Grog
 - (D) Feldspar
-

12. What is a maquette?

- (A) Three-dimensional terms of the idea
 - (B) Rough Drawing
 - (C) Visualization
 - (D) Illusion
-

13. What are the characteristics of the stoneware ceramic?

- (A) Soft, porous and moist
 - (B) Hard, Fired and non porous
 - (C) Fired, porous and soft body
 - (D) Soft, porous and opaque body
-

14. Which of the strong abrasive is used to achieve the smoothness on the stone sculpture?

- (A) Softstone
 - (B) Carborundum
 - (C) Lime stone
 - (D) Sand stone
-

15. What is the use of 'pouring funnel' in metal casting?

- (A) To escape the gas or air
 - (B) To pour the molten metal
 - (C) To blow the investment
 - (D) To hold the mold
-

16. What is the use of vertical lifting tongue in metal casting?

- (A) to take out the crucible
 - (B) to pour the melted metal
 - (C) to separate the metal
 - (D) to clean the metal
-

17. Which of the following metals is a Non-Ferrous Metal?

- (A) Mild Steel
 - (B) Steel
 - (C) Iron
 - (D) Bronze
-

18. Who has used sheet-metal to create pictorial sculptures as freestanding forms and embellishing their surfaces with linear elements?

- (A) P. V. Janakiram
 - (B) Mrinalini Mukherjee
 - (C) Meera Mukherjee
 - (D) Lydia Mehta
-

19. The famous sculpture 'Vishnu lying on Sheshnaga' which was found at Deogarh represents the skillful artistry in-

- (A) Terracotta
- (B) Stone
- (C) Bronze

(D) Cement

20. Bush hammer is used in -

- (A) Wood carving
 - (B) Stone carving
 - (C) Cement cast Carving
 - (D) Plaster carving
-

21. What are the tools used to split the stones?

- (A) Feathers and Wedges
 - (B) Banker
 - (C) Pitcher
 - (D) Claw
-

22. What are the three components mixed up for setting the Glass fiber casting?

- (A) Resin, accelerator and catalyst
 - (B) Accelerator, catalyst and fiber matt
 - (C) Gel coat, Resin and accelerator
 - (D) Gel coat, Resin and Catalyst
-

23. Which of the following tools is used for wood carving?

- (A) Claw
 - (B) Gouges
 - (C) Bush
 - (D) Hammer
-

24. Which of the following is the correct chemical formula for Plaster of Paris?

- (A) $4 \text{CaSO}_2 \cdot 2 \text{H}_2\text{O}$
- (B) $\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$

- (C) $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$
(D) $3 \text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$
-

25. Metal Shim is used for-

- (A) Metal casting
(B) Fiber casting
(C) Mould making of Plaster of Paris
(D) Investment casting
-

26. What is the hardening time of the cement?

- (A) 7 days
(B) 5 days
(C) 3 days
(D) 11 days
-

27. Which of the following are the basic ingredients for the concrete mixture?

- (A) Pabbles and water
(B) Water, Sand and Cement
(C) Cement, wood and clay
(D) Clay and Cement
-

28. Which of the following metals has more ductility?

- (A) Zinc
(B) Tin
(C) Aluminum
(D) Copper
-

29. Which of the following metals has more corrosion resistance?

- (A) Zinc

- (B) Aluminum
 - (C) Copper
 - (D) Silver
-

30. What is the main purpose of making piece mold?

- (A) To produce more than one production
 - (B) To produce single production
 - (C) To produce liquid production
 - (D) To carve the wood
-

31. Identify the sculptor who has used lost-wax process of casting with reference to folk and tribal art techniques to great creative advantage in his/her sculptures.

- (A) Amar Nath Sehgal
 - (B) Balbir Sing Katt
 - (C) Meera Mukherjee
 - (D) Mrinalini Mukherjee
-

32. The famous sculpture 'Shiva slays Yama' was carved at-

- (A) Ajanta Caves
 - (B) Ellora Caves
 - (C) Elephanta Caves
 - (D) Bhimbetka Caves
-

33. Identify the Ellora Cave, where the sculpture of 'Govardhandhari Krishna' is carved-

- (A) Cave No. 13
 - (B) Cave No. 16
 - (C) Cave No. 20
 - (D) Cave No. 15
-

34. 'Das Avatara' from cave no 15 of the Ellora was carved during which century?

- (A) 2nd C.E.
 - (B) 5th C.E.
 - (C) 8th C.E.
 - (D) 13th C.E.
-

35. The famous sculpture 'Queen mother and baby prince' (Badoh) is displayed in-

- (A) Gwalior Museum
 - (B) Patna Museum
 - (C) Craft Museum
 - (D) National Museum
-

36. The famous panel of sculpture called 'Descent of the Bodhisattva in the form of a white elephant' is displayed in-

- (A) State archaeological museum
 - (B) National museum
 - (C) Nagarjunakonda archaeological museum
 - (D) Indian Museum
-

37. Which of the following metals has the lowest melting point?

- (A) Aluminium
 - (B) Tin
 - (C) Zinc
 - (D) Copper
-

38. Which of the following is an alloy?

- (A) Brass
- (B) Copper
- (C) Zinc
- (D) Gold

39. The 'Dancing Girl' from Mohenjo Daro is a part of the collection at-

- (A) National Museum, New Delhi
 - (B) Prince of Wales Museum, London
 - (C) National Gallery of Modern Art, Mumbai
 - (D) Sarnath Museum, Varanasi
-

40. The famous sculpture 'Parvati and Ganesa' from early 6th c. C.E. is displayed in-

- (A) Baroda Museum
 - (B) Gwalior Museum
 - (C) Patna Museum
 - (D) Bihar Museum
-

41. Which of the following qualities is not a characteristic of the metals?

- (A) Malleability
 - (B) Hardness
 - (C) Ductility
 - (D) Fragility
-

42. When was the 'Lion Capital' Ashokan Piller carved?

- (A) 1st Century BCE
 - (B) 3rd Century BCE
 - (C) 5th Century BCE
 - (D) 7th Century BCE
-

43. Identify the correct height of the famous sculpture 'Lion Capital' in cm -

- (A) 213 cm
- (B) 170 cm
- (C) 258 cm
- (D) 295 cm

44. Identify the medium of the famous sculpture 'Lion Capital' -

- (A) Lime Stone
- (B) Sand Stone
- (C) Pink Marble
- (D) Granite

45. Select the museum where this famous sculpture 'Lion Capital' is displayed -

- (A) Sarnath Museum
- (B) Indian Museum
- (C) Bharat Kala Bhavan Museum
- (D) Indian Archaeological Museum

46. Identify the metals by its sequential order from its minimum to maximum malleability? (A) Nikel (B) Zinc (C) Platinum (D) Coper (E) Silver

Choose the **correct** answer from the options given below:

- (1) (A), (B), (C), (D), (E)
- (2) (D), (E), (A), (B), (C)
- (3) (B), (E), (D), (C)
- (4) (E), (D), (C), (B), (A)

47. Correct order adopted for making sculptures through lost wax process- (A)

Application of the facing (B) Modelling the wax form over the core (C) Preparation of the core (D) Melting and pouring the metals (E) Application of the negative mold investment material

Choose the **correct** answer from the options given below:

- (1) (C), (B), (A), (E), (D)
- (2) (B), (A), (C), (E), (D)
- (3) (A), (C), (E), (B), (D)
- (4) (D), (B), (C), (A), (E)

48. Identify the metals by its sequential order from its maximum to minimum ductility?

(A) Lead (B) Tin (C) Zinc (D) Aluminum (E) Copper

Choose the **correct** answer from the options given below:

(1) (E), (D), (C), (B), (A)

(2) (A), (B), (E), (D), (C)

(3) (D), (E), (A), (B), (C)

(4) (A), (B), (C), (D), (E)

49. Metals having maximum to minimum resistance to corrosion (A) Zinc (B)

Aluminum (C) Copper (D) Tin (E) Gold

Choose the **correct** answer from the options given below:

(1) (E), (D), (C), (B), (A)

(2) (E), (B), (C), (D), (A)

(3) (A), (B), (C), (D), (E)

(4) (A), (C), (D), (E), (B)

50. Identify the metals by their sequential order from minimum to maximum

malleability. (A) Tin (B) Platinum (C) Zinc (D) Iron (E) Nickel

Choose the **correct** answer from the options given below:

(1) (A), (B), (C), (D), (E)

(2) (E), (D), (C), (B), (A)

(3) (D), (E), (A), (B), (C)

(4) (C), (D), (E), (A), (B)

51. Identify the process of making earthenware body- (A) Baking or firing (B) Building

forms by coiling, slabs or pressing clay (C) Drying (D) Mixing of different additives like sand, grog etc. (E) Preparing clay

Choose the **correct** answer from the options given below:

(1) (E), (D), (B), (C), (A)

- (2) (A), (D), (C), (B), (E)
(3) (A), (B), (C), (D), (E)
(4) (E), (D), (C), (A), (B)
-

52. Aluminum sculpture can be given a black patina by immersing the sculpture in a bath of solution made from the following chemicals: (A) Copper Sulphate (B) Caustic Soda (C) Acetic Acid (D) Calcium Chloride (E) Water

- (1) (A), (B), (C), (D), (E)
(2) (A), (B), (E) and (D)
(3) (B), (C), (E) and (A)
(4) (B), (D) and (E) only
-

53. Select the right order of dynasties starting from the oldest to newer one with reference to history of Indians sculptures (A) Maurya (B) Sunga (C) Nanda (D) Gupta (E) Pallava

Choose the **correct** answer from the options given below:

- (1) (E), (C), (D), (A), (B)
(2) (C), (A), (B), (D), (E)
(3) (A), (B), (C), (D), (E)
(4) (B), (D), (A), (E), (C)
-

54. Correct sequence of 'Ramayana scenes' depicted at the 'Kailasha temple' of Ellora

- (A) Battle of Ravana and Jatayu (B) Rama leaving from Ayodhya (C) Conversation between Rama and Sugreeva (D) Victory of Rama (E) Burning of Lanka

Choose the **correct** answer from the options given below:

- (1) (B), (A), (C), (E), (D)
(2) (A), (C), (D), (B), (E)
(3) (C), (B), (A), (E), (D)
(4) (E), (D), (B), (A), (C)
-

55. Identify the correct chronological order of the artists. (A) Somnath Hore (B) Satish Gujral (C) P. V. Jankiram (D) Ved Nayar (E) Mrinalini Mukherjee

Choose the **correct** answer from the options given below:

- (1) (D), (E), (B), (C), (A)
 - (2) (A), (B), (C), (D), (E)
 - (3) (E), (D), (C), (B), (A)
 - (4) (B), (A), (D), (C), (E)
-

56. What are the terms used during the Cire-perdue process? (A) Slip (B) Core vents (C) Sprue (D) Ducts (E) Claw

Choose the **correct** answer from the options given below:

- (1) (A), (B) and (E) only
 - (2) (D) and (E) only
 - (3) (A) and (D) only
 - (4) (B), (C) and (D) only
-

57. What are the components of Bronze? (A) Copper (B) Silver (C) Zinc (D) Tin (E) Iron

Choose the **correct** answer from the options given below:

- (1) (D), (B) and (C) only
 - (2) (A), (B) and (C) only
 - (3) (A), (C) and (D) only
 - (4) (C), (D) and (E) only
-

58. Identify the cubist sculptors- (A) Auguste Rodin (B) Alexander Archiponko (C) Pablo Picasso (D) Umberto Boccioni (E) Henri Laurens

Choose the **correct** answer from the options given below:

- (1) (A), (D) and (E) only
- (2) (B), (C) and (E) only
- (3) (A) and (D) only
- (4) (C) and (D) only

59. What are the releasing agents of moldcast (A) Polyester resin (B) Liquid detergent (C) Oil (D) Slip (E) Resin

Choose the **correct** answer from the options given below:

- (1) (A) and (B) only
- (2) (B) and (E) only
- (3) (A), (E) and (C) only
- (4) (B), (C) and (D) only

60. What are the retarding agents of Plaster of Paris? (A) Cold water (B) Warm water (C) Acetic acid (D) Alcohol (E) Salt

Choose the **correct** answer from the options given below:

- (1) (A), (C) and (D) only
- (2) (A), (D) and (E) only
- (3) (A) and (E) only
- (4) (B) and (D) only

61. Iconography defining Shiva as a 'Musician' (A) Holding 'veena' in right hand while sitting (B) Holding 'Damaru' in the left hand in sitting posture (C) Holding 'veena' with both the front hands in standing posture (D) Playing 'Sitar' in sitting position

Choose the **correct** answer from the options given below:

- (1) (A) and (B) only
- (2) (A) and (C) only
- (3) (B) and (C) only
- (4) (C) and (D) only

62. Testimonies to adopting Persian stone carving techniques in India during the Mauryan period- (A) Large three-dimensional figurative supports for the roof. (B) Independent edict pillars with bell-shaped capitals, surmounted by the animal figure. (C) Replica of wooden structures. (D) Cylindrical shapes in architectural structures.

Choose the **correct** answer from the options given below:

- (1) (A) and (C) only
 - (2) (D) and (A) only
 - (3) (A) and (B) only
 - (4) (B) and (C) only
-

63. Identify the sculptures of Kanayi Kunhiraman from the following- (A) The chariot of Sun (B) Yakshi, 1969 (C) Aattam, 1987 (D) Santhal Family

Choose the **correct** answer from the options given below:

- (1) (A) and (B) only
 - (2) (B) and (C) only
 - (3) (C) and (D) only
 - (4) (D) and (A) only
-

64. Famous sculptures created in concrete by kanayi kunhiraman (A) A river carries its past (B) Lust (C) The conch (D) Sagarakanyaka

Choose the **correct** answer from the options given below:

- (1) (B) and (C) only
 - (2) (A) and (B) only
 - (3) (C) and (D) only
 - (4) (D) and (A) only
-

65. Group of the sculptures form the Neo-Classical era- (A) Antonio Canova (B) John Flaxman (C) Bertel Thorvaldsen (D) Gianlorenzo Bernini (E) Francois Duquesnoy

Choose the **correct** answer from the options given below:

- (1) (D) and (E) only
 - (2) (A), (B) and (C) only
 - (3) (B), (D) and (E) only
 - (4) (A) and (E) only
-

66. Match List-I with List-II

List-I	List-II
(A) Slip casting	(I) Silicon Carbide
(B) Pitcher	(II) Metal casting
(C) De-waxing	(III) Stone
(D) Crucible	(IV) Clay

Choose the **correct** answer from the options given below:

- (1) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
 - (2) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
 - (3) (A)-(I), (B)-(III), (C)-(IV), (D)-(II)
 - (4) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
-

67. Match List-I with List-II

List-I	List-II
(A) Plaster of Paris	(I) Calcium aluminum silicate
(B) Non-ferrous metal	(II) Bronze
(C) Cement	(III) Gold
(D) Alloy	(IV) Gypsum

Choose the **correct** answer from the options given below:

- (1) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)
 - (2) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)
 - (3) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
 - (4) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
-

68. Match List-I with List-II

List-I	List-II
(A) Gouge	(I) Metal Casting
(B) Claw chisel	(II) Stone carving
(C) Bush chisel	(III) Wood carving
(D) Core vent	(IV) Stone carving

Choose the **correct** answer from the options given below:

- (1) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)
 - (2) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
 - (3) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
 - (4) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
-

69. Match List-I with List-II

List-I	List-II
(A) Gouge	(I) Stone carving
(B) Bush chisel	(II) Glass fiber casting
(C) Sprue	(III) Wood carving
(D) Gel Coat	(IV) Metal casting

Choose the **correct** answer from the options given below:

- (1) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
 - (2) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
 - (3) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
 - (4) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
-

70. Match List-I with List-II

List-I	List-II
(A) Softwood	(I) Cutting large timber
(B) Hardwood	(II) Pine
(C) Bow saw	(III) Oak
(D) Chisels and gouges	(IV) Carve the wood

Choose the **correct** answer from the options given below:

- (1) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
 - (2) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)
 - (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
 - (4) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
-

71. Match List-I with List-II

List-I	List-II
(A) D. P. Roy Chaudhury	(I) Copper
(B) P. V. Janakirama	(II) Hemp
(C) Meera Mukherjee	(III) Bronze
(D) Mrinalini Mukherjee	(IV) Dokra

Choose the **correct** answer from the options given below:

- (1) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
 - (2) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
 - (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
 - (4) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
-

72. Match List-I with List-II

List-I	List-II
(A) Auger	(I) Cutting of waste material wood
(B) Fish tail gouge	(II) Drawing on the wood block
(C) Rip Saw	(III) Wood carving chisel
(D) Chalk	(IV) Drilling holes into wood

Choose the **correct** answer from the options given below:

- (1) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
 - (2) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
 - (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
 - (4) (A)-(IV), (B)-(I), (C)-(III), (D)-(II)
-

73. Match List-I with List-II

List-I	List-II
(A) Brass	(I) Tin, Copper
(B) Bronze	(II) Silver
(C) Rubber molds	(III) Zinc, Copper
(D) Welding	(IV) Latex

Choose the **correct** answer from the options given below:

- (1) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
- (2) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
- (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
- (4) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

74. Match List-I with List-II

List-I	List-II
(A) Lydia Mehta	(I) Dancer
(B) Ved Nayar	(II) Despair and hope of Kalpavriksha
(C) Mrinalini Mukherjee	(III) Vanshri
(D) Ratnabali Kant	(IV) Global Agony

Choose the **correct** answer from the options given below:

- (1) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
- (2) (A)-(I), (B)-(IV), (C)-(III), (D)-(II)
- (3) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (4) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

75. Match List-I with List-II

List-I	List-II
(A) Somnath Hore	(I) Woman
(B) Amar Nath Sehgal	(II) Sujata
(C) Ramkinkar Vajj	(III) Anguished Cries
(D) Dhan Raj Bhagat	(IV) Monarch

Choose the **correct** answer from the options given below:

- (1) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
- (2) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
- (4) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)