

UNIVERSITY OF MYSORE
Postgraduate Entrance Examination September - 2023



**QUESTION PAPER
BOOKLET NO.**

Entrance Reg. No.

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SUBJECT CODE : 08

QUESTION BOOKLET

(Read carefully the instructions given in the Question Booklet)

COURSE : M.Sc.

SUBJECT : PHYSICS

MAXIMUM MARKS : 50

MAXIMUM TIME : 75 MINUTES

(Including time for filling O.M.R. Answer sheet)

INSTRUCTIONS TO THE CANDIDATES

1. The sealed question paper booklet containing 50 questions enclosed with O.M.R. Answer Sheet is given to you.
2. Verify whether the given question booklet is of the same subject which you have opted for examination.
3. Open the question paper seal carefully and take out the enclosed O.M.R. Answer Sheet outside the question booklet and fill up the general information in the O.M.R. Answer sheet. If you fail to fill up the details in the form as instructed, you will be personally responsible for consequences arising during evaluating your Answer Sheet.
4. During the examination:
 - a) Read each question carefully.
 - b) Determine the Most appropriate/correct answer from the four available choices given under each question.
 - c) Completely darken the relevant circle against the Question in the O.M.R. Answer Sheet. For example, in the question paper if "C" is correct answer for Question No.8, then darken against Sl. No.8 of O.M.R. Answer Sheet using Blue/Black Ball Point Pen as follows:

Question No. 8. (A) (B) (C) (D) (Only example) (Use Ball Pen only)
5. Rough work should be done only on the blank space provided in the Question Booklet. Rough work should not be done on the O.M.R. Answer Sheet.
6. If more than one circle is darkened for a given question, such answer is treated as wrong and no mark will be given. See the example in the O.M.R. Sheet.
7. The candidate and the Room Supervisor should sign in the O.M.R. Sheet at the specified place.
8. Candidate should return the original O.M.R. Answer Sheet and the university copy to the Room Supervisor after the examination.
9. Candidate can carry the question booklet and the candidate copy of the O.M.R. Sheet.
10. The calculator, pager and mobile phone are not allowed inside the examination hall.
11. If a candidate is found committing malpractice, such a candidate shall not be considered for admission to the course and action against such candidate will be taken as per rules.
12. Candidates have to get qualified in the respective entrance examination by securing a minimum of 8 marks in case of SC/ST/Cat-I Candidates, 9 marks in case of OBC Candidates and 10 marks in case of other Candidates out of 50 marks.

INSTRUCTIONS TO FILL UP THE O.M.R. SHEET

1. There is only one most appropriate/correct answer for each question.
2. For each question, only one circle must be darkened with BLUE or BLACK ball point pen only. Do not try to alter it.
3. Circle should be darkened completely so that the alphabet inside it is not visible.
4. Do not make any unnecessary marks on O.M.R. Sheet.
5. Mention the number of questions answered in the appropriate space provided in the O.M.R. sheet otherwise O.M.R. sheet will not be subjected for evaluation.

ಗಮನಿಸಿ : ಸೂಚನೆಗಳ ಕನ್ನಡ ಆವೃತ್ತಿಯು ಈ ಪುಸ್ತಕದ ಹಿಂಭಾಗದಲ್ಲಿ ಮುದ್ರಿಸಲ್ಪಟ್ಟಿದೆ.

- 1) A particle of mass “ m_0 ” moves with speed $0.8c$, where c is the speed of light in vacuum. The relativistic kinetic energy of the particle is
- (A) $1.66 m_0 c^2$ (B) $m_0 c^2$
(C) $0.8 m_0 c^2$ (D) $0.6 m_0 c^2$
- 2) For an object moving in uniform circular motion with constant speed, the direction of instantaneous acceleration vector is
- (A) tangent to the path of motion (B) equal to zero
(C) directed radially outward (D) directed radially inward
- 3) Earth rotates on its own axis with an angular speed ω radians per second. The magnitude of the Coriolis force on m (kg) moving from north to south with a speed of v (m/s) at latitude of 30° N is
- (A) $F_{\text{cor}} = 2m\omega v \cos 30^\circ$ (B) $F_{\text{cor}} = 2m\omega v \sin 120^\circ$
(C) $F_{\text{cor}} = \sqrt{3} m\omega v + \cos 60^\circ$ (D) $F_{\text{cor}} = \sqrt{3} m\omega v \sin 60^\circ$
- 4) Any rigid body capable of oscillating freely about a horizontal axis in a vertical plane is known as a
- (A) Simple pendulum (B) Horizontal pendulum
(C) Compound pendulum (D) Vertical pendulum
- 5) The leptons and baryons obey
- (A) F-D statistics (B) B-E statistics
(C) M-B statistics (D) Do not obey statistics
- 6) Moment of inertia of a rectangular plate about a line parallel to an edge and passing through the center is
- (A) $I = \frac{Mb^2}{12}$ (B) $I = \frac{Mb^2}{6}$
(C) $I = \frac{Mb^2}{2}$ (D) $I = \frac{Mb^2}{8}$

7) Two bodies M and N of equal masses are suspended from two separate mass less springs of force constants k_1 and k_2 respectively. If the two bodies oscillate vertically such that their maximum velocities are equal, the ratio of the amplitude M to that of N is

(A) $\left| \frac{k_1}{k_2} \right|$

(B) $\left| \frac{k_2}{k_1} \right|$

(C) $\left| \sqrt{\frac{k_1}{k_2}} \right|$

(D) $\left| \sqrt{\frac{k_2}{k_1}} \right|$

8) Titan, the largest moon of Saturn, has a mean orbital radius of 1.22×10^9 m. The orbital period of Titan is 15.95 days. Hyperion, another moon of Saturn, orbits at a mean radius of 1.48×10^9 m. The orbital period of Hyperion in days is

(A) 21.3 days

(B) 255.4 days

(C) 42.6 days

(D) 25.54 days

9) Which of the following particles are Hadrons?

(A) Neutrino

(B) Proton

(C) Electron

(D) Gluon

10) Calculate the energy required to split a drop of water of radius 5×10^{-5} mm into 1000 droplets of water of equal size. Given surface tension of water is 0.075 Nm^{-1} and increase in surface area is $2.827 \times 10^{-13} \text{ m}^2$.

(A) $3.45 \times 10^{-15} \text{ J}$

(B) $3.45 \times 10^{-14} \text{ J}$

(C) $2.12 \times 10^{-14} \text{ J}$

(D) $2.12 \times 10^{-15} \text{ J}$

11) If a body under tension suffers no lateral contraction, the value of Poisson's ratio for it is

(A) Zero

(B) $< \text{Zero}$

(C) $> \text{Zero}$

(D) Infinite

- 12) The moment of inertia of a body is always minimum with respect to its
- (A) horizontal axis (B) centroid axis
(C) base (D) vertical axis
- 13) The value of Poisson's ratio for steel is between
- (A) 0.01 to 0.1 (B) 3 to 4
(C) 0.4 to 0.6 (D) 0.25 to 0.33
- 14) Baryons are the combination of quarks
- (A) QQ (B) Q
(C) QQQ (D) QQQQ
- 15) Central force motion is a
- (A) curvilinear motion (B) non planar motion
(C) rectilinear motion (D) planar motion
- 16) Three Carnot engines operates between reservoir temperatures of (a) $T_L = 400$ K and $T_H = 500$ K (b) $T_L = 600$ K and $T_H = 800$ K (c) $T_L = 400$ K and $T_H = 600$ K. Rank the engines according to their thermal efficiencies, greatest first.
- (A) $b > a > c$ (B) $c > b > a$
(C) $c > a > b$ (D) $a > b > c$
- 17) Consider a Carnot engine that operates between the temperatures $T_L = 300$ K and $T_H = 850$ K. The engine performs 1200 J of work each cycle, which takes 0.25 s. What is the efficiency (η) and the average power (P) of the engine?
- (A) $\eta = 70\%$ and $P = 4.8$ kW (B) $\eta = 65\%$ and $P = 480$ kW
(C) $\eta = 72\%$ and $P = 480$ kW (D) $\eta = 65\%$ and $P = 4.8$ kW

18) The average translational kinetic energy per molecule of an ideal gas is

(A) $\frac{1}{2}kT$

(B) $\frac{3}{2}kT$

(C) kT

(D) $\frac{3}{4}kT$

19) Let 1 kg of liquid water at 100°C be converted to steam at 100°C by boiling at standard atmospheric pressure (1.01×10^5 Pa). The volume of that water changes from an initial value of 1×10^{-3} m³ as a liquid to 1.671 m³ as steam. How much work is done by the system during this process?

(A) 169 kJ

(B) 1.69 J

(C) 1.69 kJ

(D) 169 J

20) A blackbody is at temperature of 527°C. To radiate twice as much energy per second, its temperature must be increased to a value

(A) 1600 K

(B) 200 K

(C) 12800 K

(D) 951 K

21) Consider two waves

$y_1 = a \sin\left(\omega t - \frac{2\pi x}{\lambda} \right)$ and $y_2 = b \cos\left(\omega t + \frac{2\pi x}{\lambda} \right)$. The path difference

between them is

(A) $2x$

(B) $\frac{\lambda}{4} + 2x$

(C) $\frac{\pi^2}{\lambda} + \frac{8\pi^2}{\lambda^2}$

(D) $\frac{\lambda}{4}$

22) Which of the following waves cannot be polarized?

(A) Sound waves

(B) Radio waves

(C) X-rays

(D) LASER

- 23) A string in a musical instrument is 40 cm long and its fundamental frequency is 320 Hz. If a frequency of 80 Hz is to be produced, then the required length of the string is
- (A) 10 cm (B) 640 cm
(C) 160 cm (D) 628 cm
- 24) A thin glass plate of refractive index 1.5 is placed in the path of one of the interference beams of Michelson Interferometer. A shift of 30 fringes is observed. What is the wavelength of light, if the thickness of the glass plate is 0.018mm.
- (A) 3000 Å (B) 6000 Å
(C) 1666 Å (D) 166.6 Å
- 25) In Young's double slit experiment, if the width of the sources slit is increased then
- (A) the fringe width increases (B) the fringe width decreases
(C) the fringe become more distinct (D) the fringe become less distinct
- 26) A metal sphere of radius 0.01 m is charged to a surface charge density of 8.85 mC and is placed in vacuum. The electric intensity at a distance of 1 m from its centre in N/C is
- (A) 10^8 (B) 10^2
(C) 10^5 (D) 10
- 27) The resonance frequency of LCR series and parallel resonance circuits is given by
- (A) $\frac{1}{2\pi LC}$ (B) $\frac{1}{2\pi\sqrt{LC}}$ and $\frac{1}{2\pi LC}$ respectively
(C) $\frac{1}{2\pi LC}$ and $\frac{1}{2\pi\sqrt{LC}}$ respectively (D) $\frac{1}{2\pi\sqrt{LC}}$

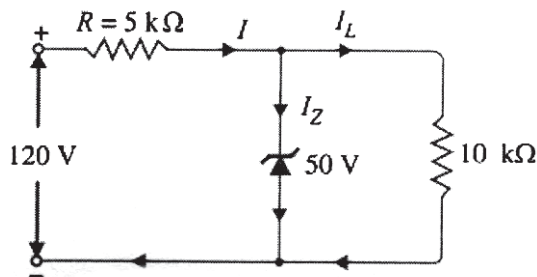
- 28) A coil of wire of a certain radius has 600 turns and a self-inductance of 108 mH. The self-inductance of a similar second coil of 500 turns in mH will be
- (A) 74 (B) 75
(C) 76 (D) 77
- 29) Generation or absorption of heat in a current carrying conductor with a temperature gradient is called
- (A) Peltier effect (B) Thomson effect
(C) Seebeck effect (D) Joule - Thomson effect
- 30) The intrinsic impedance in ohm, offered by free space to the plane electromagnetic wave passing through it is
- (A) 377 (B) 37.7
(C) 3777 (D) 3.77
- 31) The Lamb shift is due to the
- (A) Splitting between the 1s and 2s energy levels in hydrogen
(B) Vacuum fluctuations of the electromagnetic field
(C) Nuclear spin
(D) Thomas precession
- 32) The angular momentum of an electron is J, then the kinetic energy of the electron in that orbit is
- (A) $\frac{J^2}{2mr^2}$ (B) $\frac{J^2}{2m}$
(C) $\frac{J^2}{2mr^3}$ (D) $\frac{J^2}{m}$
- 33) Number of photons from the blue light ($\lambda = 4000 \text{ \AA}$) required to do two joules of work is
- (A) 3.54×10^{15} (B) 5.82×10^{15}
(C) 2.6×10^{15} (D) 4.03×10^{15}

- 34) An electron and a proton are accelerated through the same potential difference. The ratio of their de Broglie wavelengths (λ_e/λ_p) is
- (A) m_p/m_e (B) $\sqrt{m_p/m_e}$
 (C) m_e/m_p (D) $\sqrt{m_e/m_p}$
- 35) The angular momenta of an electron in an atom produces
- (A) Zeeman effect (B) Nuclear fission
 (C) Magnetic moment (D) Anomalous Zeeman effect
- 36) The expression for Geiger-Nuttal law is $\log\lambda = A\log R + B$ where λ is the decay constant and R is the range of the alpha particle. Here,
- (A) A and B are constants for all radioactive chains
 (B) A is same and B is different for each radioactive chain
 (C) A is different and B is same for each radioactive chain
 (D) A and B are different for different radioactive chains
- 37) Beta decay is due to
- (A) strong interaction between nucleons and the leptonic field.
 (B) weak interaction between nucleons and the leptonic field.
 (C) electromagnetic interaction between nucleons and the leptonic field.
 (D) coulomb interaction between nucleons and the leptonic field.
- 38) Internal conversion is a process that competes with
- (A) Alpha decay (B) Gamma decay
 (C) Beta decay (D) Strange decay
- 39) G.M. counters
- (A) are not energy-selective (B) are energy selective
 (C) possess high gamma efficiency (D) exhibit high beta resolution

- 40) P-N junctions behave as efficient charged particle detectors
- (A) with depletion under forward bias
 - (B) with depletion under reverse bias
 - (C) without a depletion layer
 - (D) under both forward and reverse bias
- 41) Which of the following expressions represent the Fermi probability function?
- (A) $f(E) = [1 + \exp(E - E_F)/kT]$
 - (B) $f(E) = [1 - \exp(E - E_F)/kT]^{-1}$
 - (C) $f(E) = [1 + \exp(E - E_F)/kT]^{-1}$
 - (D) $f(E) = [1 + \exp(E + E_F)/kT]^{-1}$
- 42) Mobility of electron is
- (A) Average flow of electrons per unit field.
 - (B) Average applied field per unit drift velocity.
 - (C) Average drift velocity per unit field.
 - (D) Reciprocal of conductivity per unit charge.
- 43) The superconducting state is perfectly _____ in nature.
- (A) Diamagnetic
 - (B) Ferromagnetic
 - (C) Paramagnetic
 - (D) Ferrimagnetic
- 44) According to Debye theory, the heat capacity of a solid at low temperature is proportional to (where α is a constant)
- (A) T^6
 - (B) T
 - (C) T^3
 - (D) $1/(T-\alpha)$
- 45) The discrete energy value of the atomic oscillator is
- (A) $\hbar\omega$
 - (B) $n^2\hbar\omega$
 - (C) $n\hbar\omega^2$
 - (D) $n\hbar\omega$

- 46) The maximum efficiency of a half-wave rectifier is
- (A) 40.6% (B) 81.2%
- (C) 50% (D) 25%

- 47) For the given circuit, find the current through the Zener diode.
- (A) 3 mA (B) 6 mA
- (C) 9 mA (D) 12 mA



- 48) For a single stage transistor amplifier, the collector load $R_C = 3 \text{ k}\Omega$ and the input resistance $R_i = 1 \text{ k}\Omega$. If the current gain is 50, the voltage gain of the amplifier is

- (A) 50 (B) 100
- (C) 150 (D) 200

- 49) If $L_1 = 1000 \text{ }\mu\text{H}$, $L_2 = 100 \text{ }\mu\text{H}$, the mutual inductance between the coils is $30 \text{ }\mu\text{H}$ and $C = 20 \text{ pF}$, then the operating frequency of the Hartley oscillator is

- (A) 1045 kHz (B) 1052 kHz
- (C) 1150 kHz (D) 1200 kHz

- 50) When the inputs of NAND gate are connected together, the resulting circuit is

- (A) OR gate (B) AND gate
- (C) NOT gate (D) XOR gate



Rough Work

ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಸೂಚನೆಗಳು

1. ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ಜೊತೆಗೆ 50 ಪ್ರಶ್ನೆಗಳನ್ನು ಹೊಂದಿರುವ ಮೊಹರು ಮಾಡಿದ ಪ್ರಶ್ನೆ ಪುಸ್ತಕವನ್ನು ನಿಮಗೆ ನೀಡಲಾಗಿದೆ.
2. ಕೊಟ್ಟಿರುವ ಪ್ರಶ್ನೆ ಪುಸ್ತಕವು, ನೀವು ಪರೀಕ್ಷೆಗೆ ಆಯ್ಕೆ ಮಾಡಿಕೊಂಡಿರುವ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದ್ದೇ ಎಂಬುದನ್ನು ಪರಿಶೀಲಿಸಿರಿ.
3. ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯ ಮೊಹರು ಜಾಗ್ರತೆಯಿಂದ ತೆರೆಯಿರಿ ಮತ್ತು ಪ್ರಶ್ನೆಪತ್ರಿಕೆಯಿಂದ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯನ್ನು ಹೊರಗೆ ತೆಗೆದು, ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಸಾಮಾನ್ಯ ಮಾಹಿತಿಯನ್ನು ತುಂಬಿರಿ. ಕೊಟ್ಟಿರುವ ಸೂಚನೆಯಂತೆ ನೀವು ನಮೂನೆಯಲ್ಲಿನ ವಿವರಗಳನ್ನು ತುಂಬಲು ವಿಫಲರಾದರೆ, ನಿಮ್ಮ ಉತ್ತರ ಹಾಳೆಯ ಮೌಲ್ಯಮಾಪನ ಸಮಯದಲ್ಲಿ ಉಂಟಾಗುವ ಪರಿಣಾಮಗಳಿಗೆ ವೈಯಕ್ತಿಕವಾಗಿ ನೀವೇ ಜವಾಬ್ದಾರಾಗಿರುತ್ತೀರಿ.
4. ಪರೀಕ್ಷೆಯ ಸಮಯದಲ್ಲಿ:
 - a) ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಯನ್ನು ಜಾಗ್ರತೆಯಿಂದ ಓದಿರಿ.
 - b) ಪ್ರತಿ ಪ್ರಶ್ನೆಯ ಕೆಳಗೆ ನೀಡಿರುವ ನಾಲ್ಕು ಲಭ್ಯ ಆಯ್ಕೆಗಳಲ್ಲಿ ಅತ್ಯಂತ ಸರಿಯಾದ/ ಸೂಕ್ತವಾದ ಉತ್ತರವನ್ನು ನಿರ್ಧರಿಸಿ.
 - c) ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಸಂಬಂಧಿಸಿದ ಪ್ರಶ್ನೆಯ ವೃತ್ತಾಕಾರವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ತುಂಬಿರಿ. ಉದಾಹರಣೆಗೆ, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯಲ್ಲಿ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ 8ಕ್ಕೆ "C" ಸರಿಯಾದ ಉತ್ತರವಾಗಿದ್ದರೆ, ನೀಲಿ/ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಬಳಸಿ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯ ಕ್ರಮ ಸಂಖ್ಯೆ 8ರ ಮುಂದೆ ಈ ಕೆಳಗಿನಂತೆ ತುಂಬಿರಿ:
 ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ 8. (A) (B) (C) (D) (ಉದಾಹರಣೆ ಮಾತ್ರ) (ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ ಮಾತ್ರ ಉಪಯೋಗಿಸಿ)
5. ಉತ್ತರದ ಪೂರ್ವಸಿದ್ಧತೆಯ ಬರವಣಿಗೆಯನ್ನು (ಚಿತ್ತು ಕೆಲಸ) ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯಲ್ಲಿ ಒದಗಿಸಿದ ಖಾಲಿ ಜಾಗದಲ್ಲಿ ಮಾತ್ರವೇ ಮಾಡಬೇಕು (ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆಯಲ್ಲಿ ಮಾಡಬಾರದು).
6. ಒಂದು ನಿರ್ದಿಷ್ಟ ಪ್ರಶ್ನೆಗೆ ಒಂದಕ್ಕಿಂತ ಹೆಚ್ಚು ವೃತ್ತಾಕಾರವನ್ನು ಗುರುತಿಸಲಾಗಿದ್ದರೆ, ಅಂತಹ ಉತ್ತರವನ್ನು ತಪ್ಪು ಎಂದು ಪರಿಗಣಿಸಲಾಗುತ್ತದೆ ಮತ್ತು ಯಾವುದೇ ಅಂಕವನ್ನು ನೀಡಲಾಗುವುದಿಲ್ಲ. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿನ ಉದಾಹರಣೆ ನೋಡಿ.
7. ಅಭ್ಯರ್ಥಿ ಮತ್ತು ಕೊಠಡಿ ಮೇಲ್ವಿಚಾರಕರು ನಿರ್ದಿಷ್ಟಪಡಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯ ಮೇಲೆ ಸಹಿ ಮಾಡಬೇಕು.
8. ಅಭ್ಯರ್ಥಿಯು ಪರೀಕ್ಷೆಯ ನಂತರ ಕೊಠಡಿ ಮೇಲ್ವಿಚಾರಕರಿಗೆ ಮೂಲ ಓ.ಎಂ.ಆರ್. ಉತ್ತರ ಹಾಳೆ ಮತ್ತು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಪ್ರತಿಯನ್ನು ಹಿಂದಿರುಗಿಸಬೇಕು.
9. ಅಭ್ಯರ್ಥಿಯು ಪ್ರಶ್ನೆ ಪುಸ್ತಕವನ್ನು ಮತ್ತು ಓ.ಎಂ.ಆರ್. ಅಭ್ಯರ್ಥಿಯ ಪ್ರತಿಯನ್ನು ತಮ್ಮ ಜೊತೆ ತೆಗೆದುಕೊಂಡು ಹೋಗಬಹುದು.
10. ಕ್ಯಾಲ್ಕುಲೇಟರ್, ಪೇಜರ್ ಮತ್ತು ಮೊಬೈಲ್ ಫೋನ್‌ಗಳನ್ನು ಪರೀಕ್ಷಾ ಕೊಠಡಿಯ ಒಳಗೆ ಅನುಮತಿಸಲಾಗುವುದಿಲ್ಲ.
11. ಅಭ್ಯರ್ಥಿಯು ದುಷ್ಕೃತ್ಯದಲ್ಲಿ ತೊಡಗಿರುವುದು ಕಂಡುಬಂದರೆ, ಅಂತಹ ಅಭ್ಯರ್ಥಿಯನ್ನು ಕೋರ್ಸ್‌ಗೆ ಪರಿಗಣಿಸಲಾಗುವುದಿಲ್ಲ ಮತ್ತು ನಿಯಮಗಳ ಪ್ರಕಾರ ಅಂತಹ ಅಭ್ಯರ್ಥಿಯ ವಿರುದ್ಧ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವುದು.
12. ಈ ಪ್ರವೇಶ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಅರ್ಹರಾಗಲು ಒಟ್ಟು 50 ಅಂಕಗಳಲ್ಲಿ SC/ST/Cat-I ಅಭ್ಯರ್ಥಿಗಳು ಕನಿಷ್ಠ 8 ಅಂಕಗಳನ್ನು, OBC ಅಭ್ಯರ್ಥಿಗಳು ಕನಿಷ್ಠ 9 ಅಂಕಗಳನ್ನು ಮತ್ತು ಇನ್ನಿತರ ಅಭ್ಯರ್ಥಿಗಳು ಕನಿಷ್ಠ 10 ಅಂಕಗಳನ್ನು ಪಡೆಯತಕ್ಕದ್ದು.

ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯನ್ನು ತುಂಬಲು ಸೂಚನೆಗಳು

1. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೆ ಒಂದೇ ಒಂದು ಅತ್ಯಂತ ಸೂಕ್ತವಾದ/ಸರಿಯಾದ ಉತ್ತರವಿರುತ್ತದೆ.
2. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ವೃತ್ತವನ್ನು ಮಾತ್ರ ನೀಲಿ ಅಥವಾ ಕಪ್ಪು ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್‌ನಿಂದ ಮಾತ್ರ ತುಂಬತಕ್ಕದ್ದು. ಉತ್ತರವನ್ನು ಮಾರ್ಪಡಿಸಲು ಪ್ರಯತ್ನಿಸಬೇಡಿ.
3. ವೃತ್ತದೊಳಗಿರುವ ಅಕ್ಷರವು ಕಾಣದಿರುವಂತೆ ವೃತ್ತವನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ತುಂಬುವುದು.
4. ಓ.ಎಂ.ಆರ್. ಹಾಳೆಯಲ್ಲಿ ಯಾವುದೇ ಅನಾವಶ್ಯಕ ಗುರುತುಗಳನ್ನು ಮಾಡಬೇಡಿ.
5. ಉತ್ತರಿಸಿದ ಪ್ರಶ್ನೆಗಳ ಒಟ್ಟು ಸಂಖ್ಯೆಯನ್ನು O.M.R. ಹಾಳೆಯಲ್ಲಿ ನಿಗದಿಪಡಿಸಿರುವ ಜಾಗದಲ್ಲಿ ನಮೂದಿಸತಕ್ಕದ್ದು, ಇಲ್ಲವಾದಲ್ಲಿ O.M.R. ಹಾಳೆಯನ್ನು ಮೌಲ್ಯಮಾಪನಕ್ಕೆ ಪರಿಗಣಿಸುವುದಿಲ್ಲ.

Note : English version of the instructions is printed on the front cover of this booklet.