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ROLL NUMBER

WRITTEN TEST FOR THE POST OF TRANSPLANT CO-ORDINATOR – A

DATE : 15/06/2017

TIME : 09.30 AM

DURATION : 90 MINUTES

TOTAL MARKS : 80

INSTRUCTIONS TO THE CANDIDATE

1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.
2. Each question carries 1 mark.
3. There will not be any Negative Marking.
4. Darken only the bubble corresponding to the most appropriate answer.
5. Marking more than one answer will invalidate the answer.
6. Candidate should sign on the question paper and OMR sheet.
7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

Signature of the Candidate

WRITTEN TEST FOR THE POST OF TRANSPLANT CO-ORDINATOR - A

1. The first corneal transplant was performed during the year
A. 1906
B. 1916
C. 1926
D. 1936
2. The first deceased donor transplantation of human kidney was done in year
A. 1906
B. 1916
C. 1926
D. 1936
3. The first definition of brain death based on neurological criteria was developed by
A. World Health Assembly
B. Harvard Adhoc Committee
C. World Health Organization
D. Harvard Ethics Committee
4. The guiding principles endorsed by World Health Assembly are the following **except**
A. Voluntary donation
B. Preference for cadaver donors
C. Commercialization
D. Genetic relation of recipients to donors
5. The first cadaver donor kidney transplant was done in India at
A. Delhi
B. Mumbai
C. Gurgaon
D. Calcutta
6. The declaration pertaining to organ trafficking and transplant tourism was of
A. Lisbon
B. Helsinki
C. Nuremberg
D. Istanbul
7. The Transplantation of Human Organs Act was passed by the parliament in the year
A. 1993
B. 1994
C. 1995
D. 2011
8. The time of death of a patient in whom the organs are harvested is the time of
A. First Apnoea test
B. Second Apnoea test
C. Organ harvest
D. Permanent disconnection from ventilation
9. The Programme undertaken by the Government of Kerala to promote organ sharing is
A. Sukrutham
B. Aardram
C. MrithaSanjeevani
D. Subodham
10. The present State convener of the Deceased donor organ transplantation program of Kerala
A. Dr. Ramdas Pisharady
B. Dr. Rajeev Sadanandan
C. Dr. Thomas Mathew
D. Dr. Jacob George
11. A person who would like to donate his organs after death should authorize in form no
A. 5
B. 6
C. 7
D. 8
12. Death of a brain dead donor is certified in form no.
A. 6
B. 7
C. 8
D. 9
13. The main duty of a transplant co-ordinator is to
A. Ascertain if a brain dead patient had authorized organ donator
B. Counsel the near relatives for the option of organ donation
C. Request the near relative to authorize organ retrieval
D. Take steps for second Apnoea test

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14. Priority of allocation of organs is to be made on the ethical concept of
- A. Availability of funds for surgery
 - B. Genetic relationship
 - C. Success rate of transplantation
 - D. Distributive justice
15. The Human Organs and Tissues Transplantation (Amendment) Act, included standard for transplantation of **one** of following which was not previously included in the older Act
- A. Liver
 - B. Pancreas
 - C. Heart
 - D. Bone
16. The tissue that can be used even if retrieved even after twelve of hours of death of a person
- A. Heart valve
 - B. Cornea
 - C. Skin
 - D. Bone
17. The greatest advantage of transplantation of human heart valve is that
- A. It is easily available in government hospitals
 - B. The patients do not require long term anticoagulant therapy
 - C. Once retrieved, it can be stored for many years
 - D. Preservation is not difficult.
18. A person who has indicated his wish on organ donation in his driving license has made a
- A. Mandated choice
 - B. Presumed consent
 - C. Informed choice
 - D. Implied consent
19. The motto of Kerala Net work of organ sharing is
- A. Add life to years
 - B. Add years to life
 - C. Share the Nectar of life
 - D. Share organs share lives
20. The most important bio ethical concept guiding organ transplantation is
- A. Autonomy
 - B. Beneficence
 - C. Non - malificence
 - D. Distributive justice
21. The doctrine of presumed consent is followed in
- A. India
 - B. Portugal
 - C. Spain
 - D. USA
22. The biggest barrier to deceased donor transplantation is lack of awareness of
- A. Brain death concept
 - B. Organ donation
 - C. Success rates in transplantation
 - D. Transplant centres
23. As per existing rules for cadaver organ donation, the organ will be first shared with a patient who is
- A. A near relative
 - B. Included in the donor's will
 - C. A multi organ recipient
 - D. In the standard list
24. Hospitals that who wish to participate in cadaver organ harvesting should register as
- A. Transplantation centre
 - B. Organ retrieval centre
 - C. Authorized centre
 - D. brain death certification centre
25. The authority to grant registration of transplant centres in Kerala is vested with
- A. Director of Medical Education
 - B. Director of Health Sciences
 - C. Kerala net work of organ sharing
 - D. Secretary to Health & family welfare

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26. The following are advantages of tissue transplantation **except**
- A. Tissues can be stored and used whenever required
 - B. They can be sterilized
 - C. They can be transported to different parts of country
 - D. They can be taken from a living person
27. The purpose of organ donation laws are the following **except**
- A. Forges strong net working between transplant centres
 - B. Helps ensure safe and fair donation
 - C. Ensures good distribution practice
 - D. Widens the pool of potential donors
28. The person empowered to give authority for removal of organ from brain dead "unclaimed" bodies is
- A. District Magistrate
 - B. Superintendent of Police
 - C. Medical Superintendent
 - D. Treating doctor
29. The services of a registered medical practitioner is not required for removal of **one** of the following from a dead donor
- A. Bone
 - B. Skin
 - C. Cornea
 - D. Heart Valve
30. Ethically removal of an organ from a living person without consent by a doctor amounts to
- A. Criminal negligence
 - B. Professional misconduct
 - C. Misdemeanor
 - D. Felony
31. The first successful kidney transplant was done in
- A. 1940
 - B. 1946
 - C. 1950
 - D. 1954
32. Adhoc permission for organ harvesting from a cadaver maintained at a medical centre, not registered under the act is given by
- A. Director of Medical Education
 - B. Director of Health Services
 - C. Secretary of Health
 - D. Cabinet of Ministers
33. Swapping of vital organs between willing but incompatible donors is legalized in
- A. THO Act
 - B. THO Rules 2008
 - C. THO & Tissue Amendment Act
 - D. THO Rules 2014
34. Donor cards enable people to express their wish to donate
- A. Their organ before death
 - B. Organs after death of their children
 - C. Their organs after death
 - D. Their parents' organs before death
35. Patient support groups attached to transplant centers are meant
- A. To provide financial help for transplantation
 - B. For patients discuss their problems with each other
 - C. To discuss with non governmental agencies for any help
 - D. To subsidize transplant related medicines

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36. As a general rule, the contra indications to organ donation are all of the following **except**
- A. Uncontrolled sepsis
 - B. Acute viral infections
 - C. Age of donor being 45 years
 - D. Low grade skin malignancy
37. Apnoea test is done to confirm cessation of
- A. Respiration
 - B. Circulation
 - C. Liver function
 - D. Brain function
38. If consent for harvesting organs is not given after being informed of clinical signs of brain death the next step would be
- A. Coax the patient's relative for consent
 - B. Continue ventilation till circulation stops
 - C. Continue ventilation till respiration cease
 - D. Discontinue ventilation and certify death
39. The consent for organ donation of a married person should be best obtained from
- A. Spouse
 - B. Children
 - C. Father
 - D. Mother
40. "Opt in" system in the consent process is practiced in the following countries except
- A. USA
 - B. Austria
 - C. United Kingdom
 - D. India
41. In the 'opting out' system consent of deceased is assumed to be given by
- A. State
 - B. Relatives
 - C. Doctors
 - D. Hospital management
42. The best way to break the ice with the family would be to first ask for donation of
- A. Kidney
 - B. Eye
 - C. Heart
 - D. Liver
43. Consent for donation of organs is best obtained when the bereaved relatives are in a state of
- A. Denial
 - B. Bargaining
 - C. Depression
 - D. Acceptance
44. The transplantation of Human Organs (amendment) Act received the assent of President during the month of
- A. September
 - B. October
 - C. November
 - D. December
45. As per the Act of 2011 'near relative' means all of the following **except**
- A. Spouse
 - B. Grand father
 - C. Brother
 - D. Uncle
46. As per the Act of 2011, a donor is a person of age **not** less than
- A. 24
 - B. 22
 - C. 20
 - D. 18
47. The punishment for associating with unauthorized removal of organs and transplantation at present is imprisonment for the period of
- A. 5 years
 - B. 10 years
 - C. 12 years
 - D. 15 years

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48. The punishment for abetting in the submission of false affidavits to establish the donor is making an organ donation to a recipient, out of affection, shall be punished with imprisonment up to
- A. 3 years
B. 5 years
C. 7 years
D. 9 years
49. A court can take cognizance of an offence under THO Act on a complaint made by
- A. Police
B. Appropriate authority
C. District Magistrate
D. Senior advocate
50. 'Swap' donations must be approved by
- A. Management of hospital
B. Protocol officer
C. Authorization committee
D. District magistrate
51. Certificate of registration for organ transplantation is issued for a period of
- A. 3 yrs
B. 5 yrs
C. 7 yrs
D. 9 yrs
52. The cost of maintenance cadaver donor in any hospital shall **not** be borne by
- A. Relative of Donor
B. Recipient
C. Government
D. Transplant centre
53. As per the rules, Super specialty degree in the concerned discipline is mandatorily required for experts undertaking transplantation of
- A. Liver
B. Kidney
C. Heart
D. Pancreas
54. The transplant coordinator need any one of the following qualifications **except**
- A. MBBS
B. BSc Nursing
C. BAMS
D. BA Sociology
55. The National organ and Tissue transplantation programme is being co-ordinated by
- A. Cabinet Secretary
B. Director General of Health Services
C. Director, AIIMS
D. Superintendent of Safdarjung Hospital
56. The common waiting list of recipients from all hospitals wishing to undergo cadaver organ transplant in the state is maintained by
- A. Mohan foundation
B. Kerala Net work for organ sharing
C. Regional organ and tissue Transplant Organisation
D. Director of Medical Education
57. For the state of Kerala, KNOS has been designated as
- A. NOTTO
B. ROTTO
C. SOTTO
D. POTTO
58. The organ sharing and networking policy of the state will not be binding on
- A. Health Services
B. Armed forces
C. Medical Education
D. Insurance services

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59. After circulation has ceased, if the body is kept in refrigerator, tissues can be retrieved after
- A. 6 hours
 - B. 8 hours
 - C. 10 hours
 - D. 12 hours
60. Trading of human organs is against the spirit of
- A. Nuremberg code
 - B. Declaration of Helsinki
 - C. Universal Declaration of Human Rights
 - D. Declaration of world health assembly
61. The psychological response of a recipient after an organ transplant are all of the following **except**
- A. worry about their transplanted organs
 - B. Experience guilt regarding the donor
 - C. Good responsibility and adherence
 - D. Do not reveal their identity as a recipient
62. The common disorder exclusively seen during the first post transplant year
- A. Post traumatic stress disorder
 - B. Depression
 - C. Anxiety related disorder
 - D. Bipolar mood disorder
63. The best means to achieve psychosocial and medical compliance in a recipient is
- A. Interaction with other recipients
 - B. Stating examples
 - C. Personalized education
 - D. Group discussions
64. The following are some of the main barriers to organ donations **except**
- A. Medical mistrust
 - B. Bodily integrity
 - C. Ick factor
 - D. Shintoism
65. The most important ethical consideration in organ transplantation is
- A. Presumed consent
 - B. Voluntary donation
 - C. Informed consent
 - D. Risk benefit ratio
66. One of the following statements is **false**
- A. There were more deceased donor in countries using the opt out system
 - B. There were more living donation in countries using the opt in system
 - C. The overall number of liver and kidney donation were less in countries using the opt out system
 - D. The overall number of liver and kidney were higher in countries using the opt out system
67. One of the following religions is said to **not** favour open organ transplantation
- A. Islam
 - B. Confucianism
 - C. Judaism
 - D. Hinduism
68. Denial of consent for donation could be due to the following reasons **except**
- A. Poor understanding of brain death
 - B. Fear of being deprived of the deceased body

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- C. Openness of the process
D. Attitude towards the medical profession
69. One of the following ethical principles is **not** totally fulfilled in live organ donation
- A. Do good
B. Do no harm
C. Justice
D. Respect for person
70. The fundamental characteristic of altruism is
- A. Gratuitousness
B. Sympathy toward patient
C. Generosity
D. Personal benefit
71. In the context of transplantation rejection means
- A. The recipient is not accepted by his family
B. The donor is not accepted by his family
C. Recipient is in a state of denial
D. Recipient's body fights off the newly implanted organ
72. Swap donation is also known as
- A. Cross donation
B. Alternative donation
C. Live non related donation
D. Live related donation
73. Draw backs of living donation are all of the following **except**
- A. Health issues
B. Presence of donor advocate
C. Psychological issues
D. Pressure from family
74. Benefits in living donation include all the following **except**
- A. Psychological benefits
B. Poor tissue matching
C. Surgery can be pre arranged
D. Tackles shortage of organs
75. "Organ farming" refers to
- A. Conceiving a child for the purpose of aborting it for its organ
B. Growing of organ from stem cells
C. Banking of frozen embryo
D. Harvesting of organs from anencephalic new born
76. The most favoured destination with maximum Transplant Tourism is
- A. China
B. Philipines
C. Pakistan
D. India
77. Concept of Brain death is not culturally accepted in
- A. Columbia
B. Japan
C. Egypt
D. Pakistan
78. Principle of 'Presumed consent' has been accepted in
- A. Philipines
B. Singapore
C. Kuwait
D. Iran
79. 'Marginal organs' refers to those collected from all of the following **except**
- A. Older donors over 60 yrs
B. Children less than 5 years of age
C. Donor with diabetes
D. Children of age group 10-18 years
80. Source of stem cells for transplant are all of the following **except**
- A. Bone marrow
B. ~~B~~ord blood
C. Normal cells
D. Adult myocardium
- c**

WRITTEN TEST FOR THE POST OF TRANSPLANT CO-ORDINATOR – ANSWER KEY (15/06/2017)

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|-------|-------|
| 1. A | 42. B |
| 2. D | 43. D |
| 3. B | 44. A |
| 4. C | 45. C |
| 5. B | 46. D |
| 6. D | 47. B |
| 7. B | 48. B |
| 8. B | 49. A |
| 9. C | 50. B |
| 10. C | 51. C |
| 11. A | 52. A |
| 12. C | 53. C |
| 13. B | 54. D |
| 14. D | 55. D |
| 15. D | 56. B |
| 16. A | 57. C |
| 17. B | 58. B |
| 18. A | 59. D |
| 19. D | 60. C |
| 20. B | 61. D |
| 21. C | 62. A |
| 22. A | 63. C |
| 23. C | 64. D |
| 24. B | 65. C |
| 25. A | 66. C |
| 26. D | 67. B |
| 27. A | 68. C |
| 28. C | 69. B |
| 29. C | 70. A |
| 30. B | 71. D |
| 31. D | 72. A |
| 32. A | 73. B |
| 33. C | 74. B |
| 34. C | 75. A |
| 35. B | 76. A |
| 36. D | 77. C |
| 37. D | 78. B |
| 38. D | 79. D |
| 39. A | 80. D |
| 40. B | |
| 41. A | |