

## CRA Review Test

1. Which of the following types of documents is most appropriate for testing the efficacy and safety of a new drug, device, or vaccine?
  - A. Purchase order
  - B. Clinical trial agreement
  - C. Standard research grant
  - D. Commercial Testing contract
2. Federal law generally requires grant financial records to be kept for a MINIMUM of how many years?
  - A. 1
  - B. 3
  - C. 5
  - D. 10
3. Which of the following changes does NOT require prior National Science Foundation approval?
  - A. Change in objectives or scope
  - B. Change in principal investigator
  - C. Change in principal investigator's level of effort
  - D. Change in allocation within a single budget category
4. Cost sharing can best be described as
  - A. waiver of indirect costs
  - B. federal funds remaining from a previous project
  - C. supplemental salary for a principal investigator
  - D. contribution by awardee to total costs of the project
5. Indirect costs or overhead can best be described as costs
  - A. for equipment related to research project
  - B. for support personnel on subcontracts
  - C. that can be identified specifically with the particular research project
  - D. that cannot be readily and specifically be identified with a particular sponsored project
6. Which of the following is considered program income?
  - A. Petty cash reimbursements
  - B. Tuition from training programs developed under grant
  - C. Rental or usage fees from equipment purchased with grant funds
  - D. Reimbursement for medical services for principal investigator expenses
7. Which of the following establishes audit requirements and defines federal responsibilities for implementing and monitoring these requirements for institutions of higher education and other nonprofit institutions receiving federal awards?
  - A. OMB Circular A-21
  - B. OMB Circular A-110
  - C. OMB Circular A-128
  - D. OMB Circular A-133

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8. The amount of indirect costs which can be charged to a federal grant is determined by the
  - A. Investigator's preference
  - B. University policy
  - C. Rate charged for work sponsored by industry
  - D. Rate negotiated with the cognizant agency
  
9. At a minimum, how frequently must the Institutional Animal Care and Use Committee review a facility's programs for humane care and use of animals, and inspect the animals' facilities?
  - A. Every six months
  - B. Annually
  - C. Every two years
  - D. Every three years
  
10. Which of the following is a reason for a federal contracting officer to send a show cause notice to a contractor?
  - A. The contractor's services are no longer required
  - B. The contractor has not responded within five days of receipt of a cure notice
  - C. The contractor fails to perform the service within the time specified or any extension
  - D. The contractor fails to bill for services being performed within 60 days of the end of the contract
  
11. Under OMB Circular A-21, time and effort reports must be submitted to the institution a MINIMUM of once?
  - A. each calendar year
  - B. each calendar quarter
  - C. monthly when classes are in session
  - D. annually until the project is completed
  
12. Which of the following is characteristic of a cooperative agreement?
  - A. Involves two or more institutions
  - B. Is more restrictive than a contract
  - C. Is used when federal involvement is required
  - D. Permits commingling of federal and nonfederal funds
  
13. The federal fiscal year ends
  - A. April 15
  - B. June 30
  - C. September 30
  - D. December 31

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14. Federal grant payments for major grantees are preferably made by
  - A. Letter of credit
  - B. Reimbursement by treasury check
  - C. Cash advance
  - D. Electronic transfer of funds
15. Pre-award costs for PHS grants require approval within a MAXIMUM of how many days prior to the effective date of the award?
  - A. 7
  - B. 30
  - C. 60
  - D. 90
16. Which of the following best describes essential laboratory biosafety levels in medical research?
  - A. Special microbiological practices used to conduct procedures with high aerosol potential
  - B. Basic and containment procedures designed to protect personnel and the environment
  - C. Degrees of protection provided to personnel, environment, and community
  - D. Biological safety cabinets class I, II, or III according to the agent under study
17. According to OMB Circular A-21, costs incurred prior to the project start date are
  - A. unallowable.
  - B. allowable only if approved by project director
  - C. allowable only if approved by OMB
  - D. allowable only if approved by the sponsoring agency
18. The primary purpose of a sponsored research administration system should be to
  - A. provide job opportunities
  - B. facilitate the research process
  - C. provide income from the research performed
  - D. ensure ongoing research support faculty
19. Which of the following is the Institutional Animal Care and Use Committee responsible for reviewing in a grant application using animal subjects?
  - A. A description of how the animals will be housed and in what procedures they will be involved
  - B. A listing of other funded projects using animals
  - C. Certification that all animals to be used in a given project are Specific Pathogen Free (SPF)
  - D. A statement of other agencies to which a proposal using the same protocol will be submitted

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20. Which of the following is an appropriate response to sexual harassment reported by an employee in the work force?
- A. Suggest employee report back if further incidences occur
  - B. Suspend accused employee pending investigation
  - C. Transfer employee to another department
  - D. Refer employee to appropriate institution representative
21. Expanded authorities delegate which of the following?
- A. Change of institution
  - B. Modification of budget
  - C. Renovation of laboratory space
  - D. Change of the principal investigator
22. Which of the following must be included in every federal grant budget?
- A. Institutional cost sharing
  - B. A plan for expenditure of funds
  - C. Justification of indirect cost rate used
  - D. Method by which payment is to be made
23. According to federal regulations, Institutional Review Boards must include?
- A. An ethicist
  - B. An attorney
  - C. A member of the clergy
  - D. A member not otherwise affiliated with the institution
24. Despite expanded authorities, prior approval from a granting agency is required for which of the following?
- A. A one-year no-cost extension
  - B. Change of personnel paid from the grant
  - C. Change of principal investigator on project scope
  - D. Transfer of funds from one budget category to another
25. Which of the following costs is allowable according to OMB Circular A-21?
- A. Bad debt
  - B. Entertainment
  - C. Losses on other awards
  - D. Payments to subjects
26. The Bayh-Dole Act addresses
- A. publication rights to all intellectual property
  - B. fixed price contracts for federally sponsored research
  - C. extension of collaborative business opportunities
  - D. ownership of intellectual property resulting from federal sponsored research

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27. An institution has an indirect cost rate of 40%. A research project is budgeted at \$125,000 in direct costs including an item of equipment at \$25,000 which is the only item excluded from the indirect cost base. What is the total cost for the project?
- A. \$135,000
  - B. \$150,000
  - C. \$165,000
  - D. \$175,000
28. Under federal Equal Employment Opportunity provisions, a supervisor should NOT ask which of the following during an employment interview
- A. Martial status of applicant
  - B. Related work experience of the applicant
  - C. Educational background of the applicant
  - D. Reasons applicant feels qualified for the position
29. An employee in a position which does not enable realization of full potential would benefit most from
- A. a motivational seminar
  - B. cooperative education
  - C. an orientation program
  - D. a career development program
30. RFP and RFA are examples of
- A. audit guides
  - B. proposal solicitation
  - C. mailing designations
  - D. government agencies
31. Conflict of interest may exist when medical faculty members conduct drug clinical tests for a company if
- A. There is no control group
  - B. The drug involves two different diseases
  - C. Faculty have share in the company
  - D. Faculty test a drug and a devise at the same time
32. The National Institutes of Health is part of the
- A. Environmental Protection Agency
  - B. National Science Foundation
  - C. Department of Health and Human Services
  - D. Centers for Disease Control and prevention
33. The Drug-Free Schools and Communities Act requires
- A. Certifications filed with each sponsoring agency
  - B. Biennial review of the institution's drug prevention program
  - C. Annual testing of research personnel
  - D. Annual filing of assurance documents

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34. An investigator on an NSF grant has permission to rebudget \$150,000 in renovation monies into equipment. If the institution's facilities and administrative cost (indirect cost) rate (based on MTDC) is 54%, how much money will be available for the equipment?
- A. \$69,000
  - B. \$81,000
  - C. \$97,403
  - D. \$150,000
35. Which of the following best describes a fixed-price contract?
- A. Prevents cost overruns
  - B. Is usually riskier than a cost-reimbursement contract
  - C. Requires financial reporting to sponsor
  - D. Has a longer project period than a cost-reimbursement contract
36. In which of the following areas of intellectual property is the concept of work-for-hire germane?
- A. Patents
  - B. Trademarks
  - C. Copyright
  - D. Trade secrets
37. Which of the following is NOT included in the computation of an indirect cost rate?
- A. Utilities
  - B. Project travel
  - C. Facility maintenance
  - D. Equipment replacement
38. An anti-lobbying certification is required on federal grants, cooperative agreements, and contracts exceeding a MINIMUM of
- A. \$10,000
  - B. \$25,000
  - C. \$50,000
  - D. \$100,000
39. Regulations require that documentation of expenditures must be kept for how long?
- A. Varies with the funding source
  - B. 3 years after the end of the award period
  - C. 5 years after end of the award period
  - D. 7 years after the end of the award period
40. Which of the following federal agencies is responsible for the inspection of animal care research facilities?
- A. Environmental Protection Agency
  - B. Public Health Service
  - C. Department of Energy
  - D. Department of Agriculture

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41. Expanded authorities allow a grantee to
- A. own and license intellectual property
  - B. adjust budgets as project needs change
  - C. be exempt from regulatory compliance because of national security
  - D. employ foreign nationals on a project
42. Which of the following provides information on patent rights and responsibilities currently applicable to universities under the federally sponsored projects?
- A. Federal Register
  - B. Code of Federal Regulations
  - C. Commerce Business Daily
  - D. Catalog of Federal Domestic Assistance
43. Which of the following is the primary purpose of federal proposal review processes?
- A. Minimize the expenditure of federal grant funds
  - B. Validate externally funded decisions made by agency staff
  - C. Provide for geographic disbursement of grant funds
  - D. Assure that the highest quality proposals are selected for funding in an equitable manner
44. Which of the following best describes a provisional indirect cost rate?
- A. Rate valid for a period of ninety days
  - B. Rate not subject to the administrative cap of 26%
  - C. Temporary rate subject to final negotiation
  - D. Variable rate determined by type of project
45. Which of the following generally describes title to equipment purchased under Public Health Service grants?
- A. Is negotiated separately for each grant
  - B. Is vested in the principal investigator
  - C. Is retained by the federal government
  - D. Is passed to the institution upon completion of the project
46. Why do research projects involving human subjects, laboratory animals and recombinant DNA require review by the appropriate institutional committee?
- A. To ensure compliance with institutional regulations
  - B. To ensure continuing eligibility of the institution for receipt of federal funds
  - C. To ensure investigators are not conducting studies of which the institution is unaware
  - D. To ensure the safety and well being of subjects and personnel involved in the research

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47. For which of the following populations groups are there special guidelines for their protection as research subjects?
- A. Prisoners
  - B. The elderly
  - C. College students
  - D. Persons diagnosed as HIV positive
48. Which of the following OMB circulars refers to administrative requirements for grants and agreements?
- A. OMB Circular A-21
  - B. OMB Circular A-87
  - C. OMB Circular A-110
  - D. OMB Circular A-122
49. Which of the following is the most appropriate use of federal agency guidelines for writing a proposal?
- A. Should be closely followed
  - B. Can be followed if convenient
  - C. May be modified at discretion of principal investigator
  - D. Are to be used only for budgets and signature pages
50. The Federal Animal Welfare Act applies to which of the following animal species?
- A. Nonhuman primates and fish
  - B. Marine mammals and amphibians
  - C. Reptiles and warm-blooded wild animals
  - D. All vertebrate animals except rats, mice, and birds

### (Answers)

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|-------|-------|-------|-------|
| 1. B  | 14. D | 27. C | 40. D |
| 2. B  | 15. D | 28. A | 41. B |
| 3. D  | 16. B | 29. D | 42. B |
| 4. D  | 17. D | 30. B | 43. D |
| 5. D  | 18. B | 31. C | 44. C |
| 6. C  | 19. A | 32. C | 45. D |
| 7. D  | 20. D | 33. B | 46. D |
| 8. D  | 21. B | 34. D | 47. A |
| 9. A  | 22. B | 35. B | 48. C |
| 10. C | 23. D | 36. C | 49. A |
| 11. A | 24. C | 37. B | 50. D |
| 12. C | 25. D | 38. D |       |
| 13. C | 26. D | 39. A |       |